

EBA Engineering Consultants Ltd.

Civil, Geotechnical and Materials Engineers

GR-05-014A

GRANULAR RESOURCES DATABASE
DEMPSTER HIGHWAY CORRIDOR
YT/NWT

Submitted to:
INDIAN AND NORTHERN
AFFAIRS CANADA

0201-4800
JUNE, 1988



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EBA Engineering Consultants Ltd.

Civil, Geotechnical and Materials Engineers

1988-06-20

INDIAN AND NORTHERN AFFAIRS
Les Terrasses de la Chaudiere
North Tower, 6th floor, 10 Wellington Street
Ottawa, Ontario
K1A 0H4

EBA File No: 0201-4800

Attention: Mr. R.J. Gowan
Geotechnical Advisor

Dear Bob:

Subject: Final Report
Granular Resources Database
Dempster Highway Corridor YT/NWT

Please find enclosed fifteen (15) copies of our final report on the Dempster Highway Corridor Granular Resources Database, including the printed copies of the study and deposit catalogues bound in Appendix B and C, respectively. Also, three (3) 360K floppy disks with the dBase III+ and R&R files for the study and deposit catalogues are enclosed. As discussed previously, the six (6) printed copies of the ESEBase logs and the three (3) disk copies for the ESEBase Dempster database will be sent from Whitehorse via courier by June 27, 1988.

We trust that this report satisfies your requirements. Please note that it is our belief that the database cannot be used to it's fullest



potential unless the recommendations presented in this report are adhered to. We would be pleased to provide further assistance to you, in this regard.

Yours truly,

Sheryl M. King

Sheryl M. King, P. Eng.

Project Engineer

J.R. Trimble

J.R. Trimble, P. Eng.

Project Director

Whitehorse Office Manager

SMK/JRT/db



GRANULAR RESOURCES DATABASE
DEMPSTER HIGHWAY CORRIDOR
YT/NWT

Submitted to:

INDIAN AND NORTHERN AFFAIRS CANADA
OTTAWA, ONTARIO

Prepared by:

EBA ENGINEERING CONSULTANTS LTD.
WHITEHORSE, YUKON

JUNE, 1988



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1.0 INTRODUCTION

EBA Engineering Consultants Ltd. (EBA) has completed a compilation of existing geotechnical data for the evaluation of granular resources along the Dempster Highway Corridor, Yukon and N.W.T. The work was requested by Indian and Northern Affairs Canada (INAC), in a proposal request dated 1988-01-20. The project was authorized under Contract No. 87-0172 on March 7, 1988.

1.1 Study Area

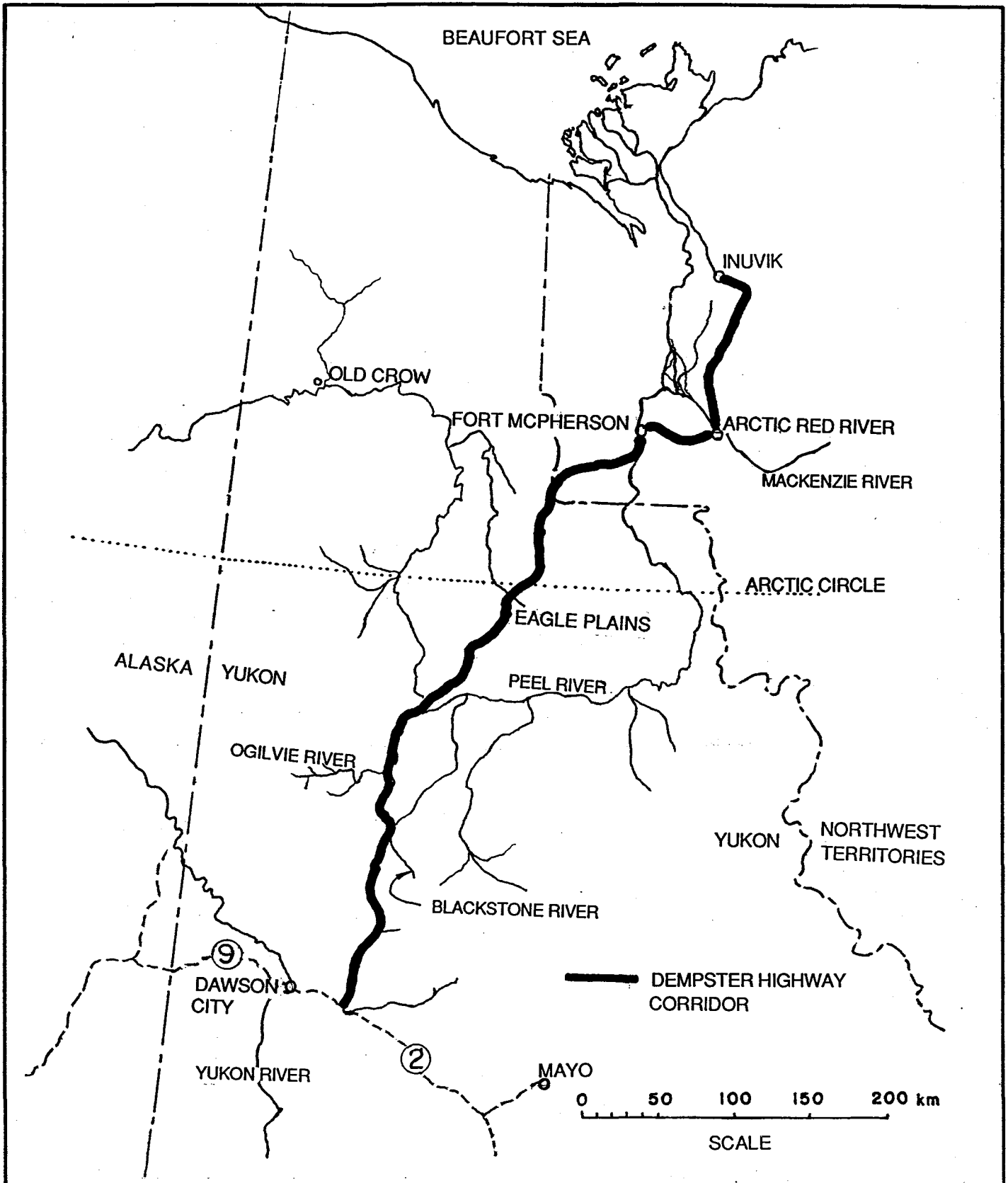
The study area includes a corridor extending eight kilometres on each side of the Dempster Highway from its junction with the Klondike Highway in the Yukon Territory, to its junction with the Mackenzie Highway approximately 65 kilometres south of Inuvik, N.W.T., and the section of the Mackenzie Highway between the Dempster Highway and the southern boundary of Inuvik. The total distance is approximately 740 km. Figure 1 shows the location of the Dempster Highway Corridor, and the area of study.

1.2 Scope of Work

The project objective was to assemble and catalogue the available geotechnical and related geoscientific data for the Dempster Corridor and to compile the information in a standardized computer-based format to permit analysis of the corridor's granular resources. To achieve this objective, five major tasks were performed:

Task 1: Locate, collect, organize and compile all existing geotechnical and geophysical data reports for the Dempster Highway into a computerized database, using dBase III+.





EBA Engineering Consultants Ltd.				PROJECT DEMPSTER HIGHWAY DATABASE	
CLIENT INDIAN AND NORTHERN AFFAIRS CANADA				TITLE LOCATION MAP	
DATE	88-06-16	DWN	SMK	CHKD	JRT
DWG NO.				FIGURE 1	
				0201-4800	

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- Task 2: Review the collected reports with respect to quantity, quality and detail of borehole logs, and determine usefulness of the logs for evaluation of granular resources along the highway. Select borehole logs for input into the database (ESEBase).
- Task 3: Photocopy all logs, associated laboratory test results, site plans, location maps and other data, and sort with respect to highway kilometre post. Review each log, and where necessary and backed up by laboratory data, re-draft the log in a standardized accepted format. The format used is attached to the printed copies of the borehole logs. Finally input the logs into the ESELog/ESEBase program, Version 3.0, borehole log database.
- Task 4: Group the logs into separate geological deposits or pits, and compile data for each deposit (source) into a database (dBase III+)
- Task 5: Prepare a final report to describe the results of the study.

2.0 METHODOLOGY

The first four tasks are described in this section.

2.1 Task 1 - Compilation of Study Catalogue

To prepare the list of available reports, a number of meetings and telephone conversations were held to locate and obtain copies or access to all available reports, maps, charts and survey records for the Dempster Highway Corridor.



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Ten reports were loaned to us by R.D. Cook., Head of Design and Geotechnical Engineering Services, Western Region, Public Works Canada, Edmonton.

Mr. T.R. Murphy, P. Eng., from EBA's Edmonton office, travelled to Yellowknife, Northwest Territories, to meet with Mr. P. Vician, Head of Design Services, Highways, Government of the Northwest Territories. At this meeting, the status of a number of granular sources for the Northwest Territories portion of the Dempster was discussed and four reports were made available for our use. A trip to Inuvik to meet with Mr. A. Barnes was not conducted, because it was determined that all the applicable geotechnical information from the Government of NWT was kept in Yellowknife.

For the Yukon, access to the Dempster Highway files of the Yukon Territory Government was authorized by Mr. J. Murray, Program Engineer, Transportation Engineering Branch, Community and Transportation Services, Government of Yukon. Mr. R. Lidgren of Public Works Canada authorized the loan of reports or files in their library.

Reports were also received from Klohn Leonoff Consultants Ltd. and Hardy BBT Ltd. for geotechnical work along the proposed Dempster Lateral Pipeline for Foothills Pipe Lines (Yukon) Ltd. These reports were not received until late in the borehole compilation process due to liaison and waiting time while requesting permission from all parties involved.

All the collected reports that contained geotechnical or geophysical information for the Dempster Corridor were summarized in a dbase III+ Catalogue of Granular Resource Related Field Activities. Standardization of the input was in terms of the guidelines described in the data dictionary included with the proposal request, and copied into this report as Attachment "B", in Appendix A. Study numbers as described in the data dictionary were not assigned to each study as we understand that these would be INAC numbers. We did use the study number field on occasion to



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include library catalogue numbers, when available. The numbers do not follow the format as outlined in the data dictionary and will have to be changed when numbers are assigned to the remaining studies. The catalogue was completed with the intention of including any and all available references noted on the reports. If information was not available, not applicable or unknown, "NA", or "Unknown" would be inserted in the appropriate field.

2.2 Task 2 - Review of Data

As part of task 2, Mr. R.J. Gowan of INAC travelled to Edmonton on March 16, 1988 and met with Mr. T.R. Murphy of EBA Edmonton, and Mr. M.A. Valeriote, a representative from EBA's Whitehorse office.

At this meeting, the criteria to be used for exclusion or inclusion of individual borehole or test pit logs was established. It was decided that test holes in either existing, possible or depleted sources should be included in the ESEBase database and the corresponding sources included in the deposit database. Depleted sources would be edited out, once confirmed. Additional reports not yet collected by us were discussed, and INAC assisted us in gaining access to these reports.

Also included in Task 2 was review of the available information required to prepare a granular resources management plan.

2.3 Task 3 - Compilation of ESEbase Records

After editing and adding location references, when available, all test hole logs deemed applicable were input using the newest version of ESEBase. All logs were reviewed for detail and accuracy, and edited as required. If the soil description was not consistent with the results from soil sample laboratory tests, the soil description would be correspondingly corrected. If no laboratory results were available for a specific stratum, the description would not be altered upon input.



UTM coordinates were obtained for the test holes by obtaining a UTM for the approximate center of the source in which the holes were located, and assigning all holes for the same source the same UTM coordinates. Where site plans or airphotos were available, UTM coordinates were obtained by matching geographical references points on the plans to those on the 1:50000 NTS maps. When plans were not available, a kilometre or mileage post would be scaled off the NTS map and an approximate UTM coordinate obtained for the posting, not taking into account the offset of the source to the left or right of the highway.

The original borehole or test pit numbers obtained from the original reports were recorded in the ESEBase index in "Drillers Note 3". To assist in organisation and sorting of records in the database, a new unique borehole number was assigned to each record. The first four digits correspond to the kilometre post for the source, to one decimal place. The letter, "B" or "T", corresponds to a borehole or test pit, respectively, and the last three digits in the borehole or test pit number correspond as closely as possible to the original borehole or test pit number.

2.4 Task 4 - Compilation of Deposit Database

Input of deposit (source) information as dbase III+ records, was according to the data dictionary found in the proposal request, and included as Attachment "A", Appendix A of this report. Source numbers were not assigned and study numbers were only input where study numbers were available from the study catalogue of Task 1. Where information was unavailable or unknown, "Unknown" was input into the database record; if the information requested was not applicable to the source, an "NA" was input in the record. Some records would not accept non numeric input, in this case if results were unknown or not applicable, a zero would be input in the record.



June, 1988 (revised July/88)

3.0 DATA PRESENTATION

The three major components of this study are presented as follows:

3.1 Study Catalogue (66 Records)

Fifteen (15) copies are attached to the fifteen copies of this report, as Appendix B. Three (3) copies have been submitted in 360K floppy disks, in a dBase III+ file called GRANCAT.DBF. The report outline is in an R&R (Relational Report Writer) file called GRANCAT.RP1.

3.2 Deposit Database (118 Records)

Fifteen (15) copies are attached to the fifteen copies of this report, as Appendix C. Three (3) copies have been submitted on 360K floppy disks, in a dBase III+ file called SOURCAT.DBF. The report outline is an R&R file called SOURCAT.RP1.

3.3 Borehole Database (576 ESEBase Records)

The borehole log database is included in printed form in two separate volumes called:

Dempster Highway Granular Source Borehole Log Database,
Volume I of II, and
Volume II of II.

Six (6) copies have been submitted, along with three (3) 360K floppy disk copies, on which the ESEBase database is called DEMPSTER.

NOTE: Approximately 4000 Borehole/Test Pit logs were reviewed during Task 2 (Review of Data), and an additional 76 logs were located which would complete the inventory of granular data along the corridor. These were not input due to the budgetary constraints defined in the contract.



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4.0 DIFFICULTIES AND DEFICIENCIES NOTED WHILE PREPARING THE DATABASE

4.1 Source Locations

Borehole or test pit locations were obtained by determining the approximate center of the source and assigning a kilometre post and UTM coordinate for the source center. A number of problems were encountered when determining the source locations.

Over the years that geotechnical information has been gathered for the Dempster Highway, a number of realignments have been made thus milage and kilometre postings have been continually changing. It is unknown which alignment the highway followed for each particular year of investigation, therefore the following kilometre post assumptions were made:

YUKON SECTION

- a) km 0 is the junction of Dempster Highway and Klondike Highway.
- b) km 195 is the Ogilvie Bridge, for locations noted from km 0 to km 198
- c) km 198 is the Ogilvie Bridge for locations from km 198 to km 245
- d) km 245 is the bottom of the hill climbing east out of the Ogilvie River Valley
- e) km 264 is the Eagle Plains Hotel, and was used to back-track kilometre posts to the Ogilvie River Valley (km 239)
- f) km 413 is the Arctic Circle crossing
- g) km 461 is the YT/NWT border.



Figure 2 shows these assumptions on the location map.

For most of the Yukon sources there were no site plans, air photos or location maps, and source locations were estimated using kilometre posts or mile posts as found on the logs. Using these assumptions and the kilometre posting, the sources were scaled off the highway alignment on the NTS maps, and UTM's determined to the nearest 1000 metres. A listing of the NTS maps used is presented in Table 1. It should be noted that the alignment on the NTS maps is most likely the original alignment for the construction of the highway.

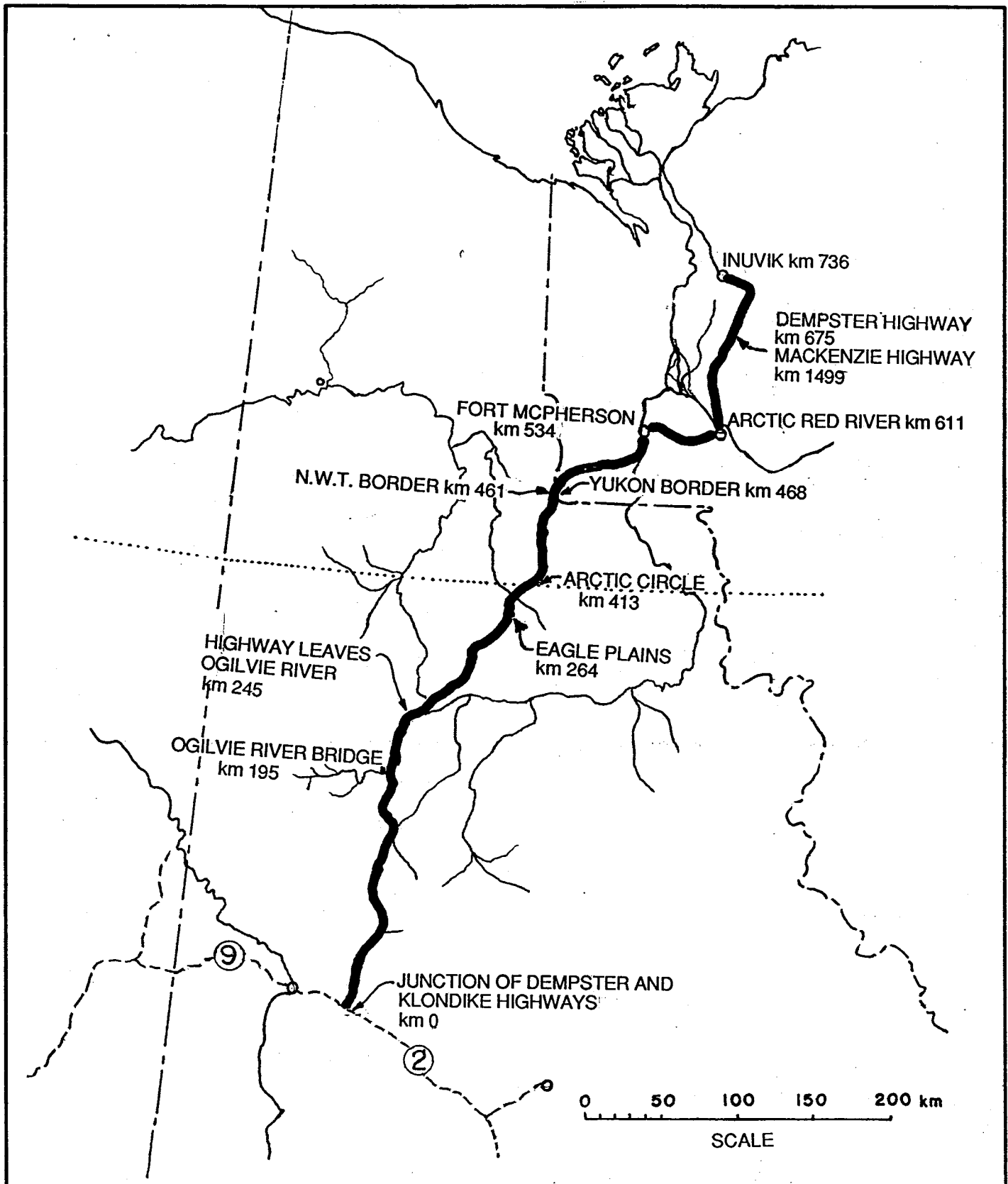
If a source was known to be at a particular geographical reference point recognizable on an NTS map, such as a creek crossing or at the top of a hill, the scaled-off location according to the above assumptions would be disregarded and UTM coordinates for the geographical reference according to the NTS alignment were used.

NWT SECTION

For source locations in the Northwest Territories there was usually an airphoto half-tone with borehole locations marked. By using geographical reference points on the airphotos, an approximate location and UTM coordinates could be determined from the NTS maps. Mileage posts for the Dempster or Mackenzie Highway were generally shown on the airphotos, and kilometre posts were assigned for each source, using the following assumptions:

- a) the YT/NWT border is km 468
- b) access to Fort McPherson is km 554
- c) Arctic Red River is at km 611





EBA Engineering Consultants Ltd.			PROJECT DEMPSTER HIGHWAY DATABASE					
CLIENT INDIAN AND NORTHERN AFFAIRS CANADA			TITLE KILOMETRE POST ASSUMPTIONS					
DATE	88-06-16	DWN	SMK	CHKD	JRT	DWG NO.	FIGURE 2	0201-4800

TABLE 1
LIST OF NTS MAPS USED TO DETERMINE
UTM COORDINATES
DEMPSTER HIGHWAY CORRIDOR

NTS NO.	NTS MAP NAMES	DATE	APPROXIMATE DEMPSTER KILOMETRE POST
1150/15	Flat Creek	1961	0 - 5
116B/2	Rabbit Creek	1961	5 - 37
116B/7	Tombstone River	1961	37 - 38
116B/8	Upper Klondike River	1965	38 - 72
116B/9	North Fork Pass	1968	72 - 106
116B/16	Lomond Lake	1968	106 - 139
116G/1	Engineer Creek	1951	139 - 181
116G/8	Mount Jeckell	1966	181 - 216
116G/9	Churchward Hill	1966	216 - 244
116H/12	Mount Cronkhite	1966	244 (old) - 239 (new)
116H/13	Sciver Creek	1966	239 - 280
116H/14	Enterprise Creek	1965	280 - 298
116I/3	Aitch Hill	c 1982	298 - 334
116I/2	Mount Higgins	c 1982	334 - 346
116I/7	Corbett Hill	c 1982	346 - 386
116I/10	Mount Jogal	c 1982	386 - 390
116I/9	Mount More	c 1982	390 - 423
116I/16	Mount Cronin	c 1982	423 - 455
116P/1	Mount Sittitchinli	c 1973	455 - 482 *
106M/4	Boomerang Lake	c 1973	482 - 508 *
106M/3	unknown	c 1973	508 - 523 *
106M/6	unknown	c 1973	523 - 536 *
106M/7	Fort McPherson	c 1973	536 - 574
106M/8	Nerejo Lake	c 1973	574 - 598
106N/5	Arctic Red River	1960-61	598 - 619
106N/12	Tundra Lake	1960-61	619 - 645 *
106N/13	unknown	1957	645 - 677 *
106B/2E-2W	Campbell Lake	1957	677 - 712 *
106B/7	Inuvik	1957	712 - 736 *

- NOTES: 1. Date denotes the date compiled, produced or date of most current information for mapping. A "c" prior to the date denotes it as a copyright date and not the date of most recent information.
2. "*" indicates maps that did not show the Dempster Highway alignment, either existing or proposed.



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d) km 1499 on Mackenzie Highway corresponds to km 675 on the Dempster Highway

e) Inuvik is km 736

These locations are also shown on Figure 2, and maps summarized on Table 1.

Realignments of the highway have caused many of the problems associated with determining source UTM coordinates and kilometre posts. For example, in different reports, the Yukon/Northwest Territories border had been assigned kilometre postings of 460, 466, 467 and 468. When locations were being determined for the Yukon portion it was found that approximately 10 kilometres of highway had been lost by realignment. There are also no NTS maps available with the most recent highway alignment.

4.2 Completeness of Logs

Due to the number and range of experience of the technicians logging the test pits or boreholes, there was a wide range of reliability and completeness of the logs. It appears that a soil classification system was not adhered to and there were no attempts made to correct the descriptions on the logs once lab test results were received. A general incompleteness of logs, including lack of dates, type of equipment, location, laboratory tests, personnel and type of samples taken, etc., was evident in most of the reports.

5.0 RECOMMENDATIONS AND CONCLUSIONS

Adherence to the following recommendations would significantly improve the usefulness of the deposit database, study catalogue and ESEBase records.

1. The Dempster Highway should be reposted to reflect recent realignments



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and reconstructions. In the future, realignments should be properly documented so that sources can be assigned new kilometre postings after the realignment.

2. The additional 76 logs not entered into the database for this phase of the work should be entered.
 3. A ground reconnaissance (driving trip) should be made of the Dempster Highway to confirm specific pit locations and their status. Locations obtained from this reconnaissance should be primarily in UTM coordinates with dated kilometre postings as backup. Kilometre postings should be used only as a quick convenient means of location in the field, and secondary to the UTM coordinates. Photographs and verification or estimates of material quality and quantities should also be made at this time.
 4. This report and catalogues should be submitted to the Yukon and Northwest Territories Governments, Public Works Canada offices and other government agencies directly involved with the Dempster Highway, for their review and comments.
 5. Once all the comments have been received, the database records prepared as part of this study should be updated. It is our belief that the database cannot be used to it's fullest potential until all of the above recommendations have been completed.
 6. Future borehole logs and test pits should be properly documented including site plans and location maps. UTM coordinates should be determined and placed on the logs at the time of the report preparation.
 7. A standardized field manual should be instituted for future drilling programs, along with training of individuals who are to perform the sample logging. This is recommended to improve the quality and completeness of future logs.
-



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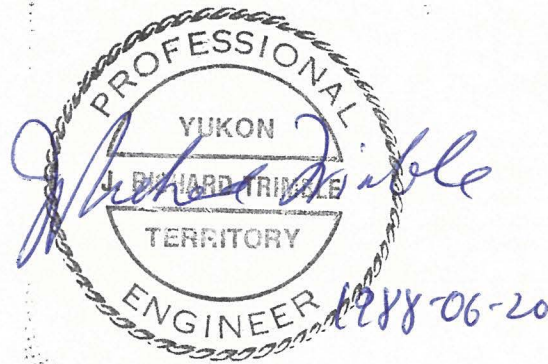
Respectfully Submitted,

EBA Engineering Consultants Ltd.



Sheryl M. King, P. Eng.
Project Engineer

SMK/JRT/db



J. Richard Trimble, P. Eng.
Project Director
Whitehorse Office Manager



APPENDIX A

ATTACHMENT "A" (from original Request for Proposal)

Northern Granular Resource Deposit Database
Data Dictionary

ATTACHMENT "B" (from original Request for Proposal)

Catalogue of Granular Resource Related Field Activities
Data Dictionary



NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE

DATA DICTIONARY

PART A: DEPOSIT LOCATION AND STATUS

AA - STUDY NUMBER:

A unique number which identifies the study in which the source was first described in detail and provides a link to INAC's granular resource study catalogue database. This number consists of an alphabet prefix representing the study catalogue database, a four digit study number, and where necessary, a one digit sub-number to separate, for example, geophysical and geotechnical portions of the same study. (e.g. A-0137-1)

AB - SOURCE NUMBER:

Each source will require a unique source identifier number, normally the number of the source in the original study which located the source, which will serve as a link to other databases (e.g. borehole database). This number will consist of an alphanumeric sequence of up to eight digits. (e.g. 311)

AC - NTS MAP REFERENCE:

The National Topographic Series (NTS) 1:50,000 scale map reference number of the map containing the majority of the outlined deposit. (e.g. 107A/15)

AD - SOURCE REFERENCE:

The bibliographic citation, by author and year, of the report describing the deposit. (e.g. Northern Engineering, 1976.)

AE - LOCATION MAP/PLAN SCALE:

The scale, expressed in terms of the representative fraction (e.g. 1:250,000) of any small scale accompanying regional map which indicates the location of separate study/borrow sites. The denominator only of the representative fraction is given since by definition the numerator is unity. (e.g. 250000)

AF - MAP DIGITIZER NUMBER:

A unique five digit identifier number, to be assigned later by INAC, which identifies a data set of points, lines, or polygons to be digitized from the location plan. This number links the granular deposit database to INAC's spatial database system.

AG - LOCAL NAME(S):

Many sources are known locally by a name or more than one names, rather than the designated source number. Although these names may vary over time or be duplicated between sources, they should be recorded as is. (e.g. Callison Pit)

AH - CROSS-REFERENCES:

The bibliographic citation(s), by author and year, of any other reports which include granular resource data on the subject deposit; and any alternative source number or name included in the cross-referenced report. (e.g. Hardy, 1986: 3-34)

AI - LOCATION:

The location of the deposit may be described in terms of its proximity to a community or other prominent geographical feature and/or in up to three separate sets of co-ordinates due to the varying requirements of granular resource data users. This field (AI) includes the descriptive location (e.g. Hay River; Mt. Fitton).

The next seven fields (AJ - AP) provide location co-ordinates. These include the geographic co-ordinates, the Universal Transverse Mercator (UTM) co-ordinates, and transportation system (e.g. highway or pipeline) co-ordinates. In each case, the co-ordinates are normally determined for the approximate centre of the deposit.

AJ - LATITUDE:

The distance, in degrees, minutes, and seconds, and direction, of the deposit from the Equator. (e.g. 67-36-45.9N)

AK - LONGITUDE:

The distance, in degrees, minutes, and seconds, and direction, of the deposit from the Prime Meridian. (e.g. 132-27-12.3W)

AL - UTM ZONE/EASTING:

The UTM zone in which the deposit occurs, and the north-south oriented UTM grid line passing through the centre of the deposit. (e.g. 7-381987)

AM - NORTHING:

The east-west oriented UTM grid line passing through the centre of the deposit. (e.g. 7548335)

AN - CORRIDOR NUMBER AND NAME:

The number (i.e. Territorial Highway number, where appropriate) and the name of the transportation route within whose corridor the deposit occurs. (e.g. 05-Robert Campbell Highway; 00-Foothills Pipeline - Dempster Lateral)

AO - KILOMETER POST:

The kilometer-post (KP) of the point along the transportation corridor at which access is relatively direct to the deposit, or the most nearly adjacent point on the corridor to the location of the deposit.

AP - OFFSET: DISTANCE AND DIRECTION:

The distance in meters from the corridor centreline to the centre of the deposit and the direction, determined facing towards the increasing kilometer-post, to the deposit from the corridor. (e.g. 35-L[eft]; 1500-R[ight])

AQ - AREA:

The total areal extent, in hectares, of potentially usable granular resources which comprise the deposit. (e.g. 1; 10; 100)

AR - ACCESS:

A short description of the most practical route leading from the corridor to the deposit. Where the access route does not lead directly from the corridor to the source, the KP of the corridor at the location of the access route should be given (e.g. series of seismic cutlines; along north bank of river; follows ridge crest from KP 265.7; shorter but steeper alternative at KP 576)

AS - DISTANCE:

The distance along the above described access route from the corridor to the deposit. Ideally, this should be the same as the offset distance; however, where this is not possible due to steep slopes or rivers, the access distance can vary significantly from offset. (e.g. 40; 1250)

AT - CONDITION:

A description of the type and condition of the access route. (e.g. seismic line; undeveloped; winter road; ice road)

AU - SITE PLAN SCALE:

The scale, expressed in terms of the representative fraction (e.g. 1:10,000) of any larger scale accompanying site plan which indicates the location of boreholes/ testpits/grab samples or geophysical survey grids. The denominator only of the representative fraction is given since the numerator is consistently "1" (e.g. 10000)

AV - PLAN DIGITIZER NUMBER(S):

A unique five digit identifier number or series of numbers, to be assigned later by INAC, which identifies a data set of points, lines, or polygons to be digitized from the site plan. This number links the granular deposit database to INAC's spatial database system.

AW - LAND TENURE:

The legal status of the land upon which the deposit is located. (e.g. Inuvialuit 7(1)a; private; Territorial)

AX - STATUS:

The current status of the deposit in terms of development of granular resources. (e.g. active; inactive; abandoned; depleted; undeveloped; stripped; unproven)

AY - PAST USE:

A summary of any known previous source development or exploitation activity in terms of type and amount of material removed and use of material. (e.g. 12,000 cu.m of silty sand removed by YIG in 1979 for gravel surfacing)

AZ - PERFORMANCE RATING:

A summary of any known assessment of the performance of previously used material from the source. (e.g. poor binding, segregates with minimal traffic)

PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION

BB - INVESTIGATION LEVEL:

The greatest level of detail of previous site investigation work at the subject deposit. (e.g. airphoto interpretation; reconnaissance; exploratory drilling; delineation drilling; production drilling)

BC - LAST DATE:

The year in which the most recent site investigation work was completed.

BD - GEOPHYSICAL DATA:

The type and length of any geophysical surveys completed at the deposit. TYPE: LINE M:(e.g. EM-31 : 1550 m)

SUBSURFACE DATA:
.....

The number, and range and average depth of subsurface penetration of various site investigation methods, presented in the following format:

METHOD OF INVESTIGATION: NUMBER OF: MIN./AVG./MAX. PENETRATION:

BE - BOREHOLES: NUMBER:

The total number of boreholes (augerings, borings, coreholes, etc.) completed and logged within, or immediately adjacent to the deposit, which provide subsurface information defining the type, extent and quality of granular materials.

BF - BOREHOLES: DEPTH:

A listing of the minimum, average and maximum depth of penetration of the total collection of boreholes for the deposit, in tenths of metres. (e.g. 03.1-05.6-10.3)

BG - TESTPITS: NUMBER:

The total number of hand- or equipment-excavated testpits or trenches completed and logged within, or immediately adjacent to the deposit, which provide subsurface information defining the type, extent and quality of granular materials.

BH - TESTPITS: DEPTH:

A listing of the minimum, average and maximum depth of penetration of the total collection of testpits for the deposit, in tenths of metres. (e.g. 0.5-2.6-5.3)

BI - EXPOSURES: NUMBER:

The total number of natural or man-made exposures or outcrops (e.g. on steep slopes, stream banks; or exposed pit faces, cutbanks), within, or immediately adjacent to the deposit, which have been logged to provide subsurface information defining the type, extent and quality of granular materials.

BJ - EXPOSURES: DEPTH:

A listing of the minimum, average and maximum depth of subsurface materials exposed in the total collection of exposures for the deposit, in tenths of metres. (e.g. 01.5-06.1-15.0)

SOURCE DESCRIPTION:
.....

A brief summary of the physical setting of the deposit which will aid in the analysis and understanding of the type, extent, quality and uniformity of the available granular materials and the suitability of the deposit for development and exploitation.

BK - TOPOGRAPHY:

A general description of the collective physical features, relief and contour of the area. (e.g. flat, gently rolling, rolling, hummocky, undulating, ridged, dissected, plateau, mountainous)

BL - SLOPE:

A general description of the slopes on and immediately adjacent to the deposit in terms of type (e.g. simple; compound; complex), degree (e.g. flat; gentle; moderate; steep; precipitous) and direction (e.g. to NNW).

BM - VEGETATION:

A general description of the most significant features of the vegetation cover on and immediately adjacent to the deposit which may provide an indication of the type of materials within the deposit, the presence or absence of permafrost or wet conditions, or potential site development or restoration difficulties. Vegetation should be described, as appropriate, in terms of age, size or complexity (e.g. mixed; sapling; mature), density (eg. nil; sparse; moderate; dense) and type (e.g. poplar; black/white spruce; jackpine; willow) for each of tree cover, understorey and ground cover. (e.g. mature mixed poplar and white spruce to 15 m, few tamarack /sparse poplar saplings / dense bearberry, sparse sphagnum and sedges)

BN - DRAINAGE:

A general description of the general direction and apparent condition (e.g. well; moderate; poor; saturated; flooded) of surface and subsurface drainage at the site. (e.g. SSE-moderate, flooded to S)

BO - PERMAFROST FEATURES:

A general description of surface and/or subsurface features which demonstrate or indicate the presence of permafrost conditions within or adjacent to the deposit. (e.g. low-centre polygons and thermokarst to W; sparse stunted black spruce and thick sphagnum; trace Vx in 2 BHs)

BP - ACTIVE LAYER THICKNESS:

A listing of the minimum, average and maximum measured thickness of the seasonally thawed and frozen active layer within and adjacent to the deposit, determined from the boreholes, testpits, probings and exposures which encountered apparently perennially frozen materials, in tenths of metres. (e.g. 0.2-1.0-1.8)

BQ - SITE DESCRIPTION DATE:

The date on which the site description was completed, or where more than one site visit was involved, the date upon which the maximum active layer thickness was measured, presented in the format: yy-mm-dd (e.g. 79-09-13).

BR - GENERIC ORIGIN:

The environment of deposition or geologic process believed to be responsible for the formation of the subject surficial feature or deposit comprised of granular materials. (e.g. alluvial; fluvial; glacial; glaciofluvial; glaciomarine; lacustrine)

BS - LANDFORM:

The type of surficial feature comprising the subject granular materials, within which geologic conditions are interpreted to be relatively uniform or are variable within limits characteristic of the type of feature. (e.g. delta; esker; fan; kame; outwash plain; terrace)

SOURCE STRATIGRAPHY:

A general description of the type and range and average thickness of the main surficial materials units comprising the granular source, based on subsurface information from only those boreholes, testpits and exposures which encountered granular materials, and presented in the format:

UNIT: MATERIAL TYPE: MIN./AVG./MAX. THICKNESS

BT - OVERBURDEN: TYPE:

A brief description of the type of overburden materials present over the area containing granular materials. (e.g. PEAT____- over silt)

BU - OVERBURDEN: THICKNESS:

A listing of the minimum, average and maximum thickness of overburden materials over the deposit, determined from the boreholes, testpits and exposures which encountered granular materials, in tenths of metres. (e.g. 0.0-1.2-2.8)

BV - GRANULAR: TYPE:

A brief description of the type of granular materials encountered within the area delineated as a granular source. (e.g. GRAVEL AND SAND, well-graded; SAND__ - gravelly, some silt)

BW - GRANULAR: THICKNESS:

A listing of the minimum, average and maximum thickness of granular materials over the deposit, determined from the boreholes, testpits and exposures in the area delineated as a granular source, in tenths of metres. (e.g. 01.0-05.2-12.8)

BX - UNDERBURDEN: TYPE:

A brief description of the type of materials underlying the granular materials in the source area. (e.g. CLAY_____ (Till) wet)

BY - DEVELOPMENT CONSTRAINTS:

A general indication of any potential constraints to short or long term development of the source, expressed in terms of the type of constraint. (e.g. access; materials; drainage; permafrost; environmental; socio-economic) with details, as appropriate, on the nature and impact of the constraint.

BZ - DEVELOPMENT POTENTIAL:

A summary comment, expressed in qualitative terms, of the general suitability of the deposit for development. The potential is based essentially on the anticipated overall extent and quality of the available granular materials, but also considers the level of detail of existing site investigation, the presence, extent and type of overburden, drainage and permafrost conditions, other surface or sub-surface characteristics and general accessibility. (e.g. unknown; unsuitable; poor; fair; good; excellent)

PART C: TEST RESULTS AND MATERIAL QUANTITY

TEST RESULTS:

A summary of the cumulative results of laboratory testing, completed in accordance with ASTM or CSA standard test procedures, of samples from the deposit in terms of test name, number of samples tested, and ranges and averages of test results, presented in the following format:

TEST: NO. SAMPLES: MIN./AVG./MAX. TEST RESULTS:

CC - UNIFIED SOIL: NUMBER:

The number of samples classified under the Unified Soil Classification (USC) system, in accordance with ASTM standard D 2487. (e.g. 121)

CD - UNIFIED SOIL CLASS:

The range and most common material types sampled from the deposit as classified by the Unified Soil Classification (USC) system and presented in the order: poorest/most/best. (e.g. SM-SP/SP-GP/GW...)

CE - MOISTURE (%): NUMBER:

The number of samples for which soil Moisture Content (MC%) has been determined, in accordance with ASTM standard D 2216. (e.g. 102)

CF - MOISTURE (MC%): RESULTS:

The range and average soil Moisture Content (MC%), based on percentage of dry soil weight, for the collection of samples tested, presented in the format: minimum-average-maximum MC%. (e.g. 03-12-021)

CG - OVERSIZE (O/S%):

The range and average percentage of oversized (O/S%) material; that is, cobble- and boulder-size material (Size Fraction over 75 mm diam.), in pit run material from the source, as determined by field estimates, field sieving, or laboratory testing. (e.g. 00-10-35)

CH - SIZE ANALYSIS: NUMBER:

The number of samples for which particle-size analysis testing has been completed, in accordance with ASTM standards D 421 and D 422. (e.g. 111)

CI - GRAVEL (Grav%):

The range and average percentage of gravel-sized (Grav%) material; that is, material in the Size Fraction 4.76 mm - 75 mm diam., as determined by particle-size analysis testing. (e.g. 05-45-85)

CJ - SAND (Sand%):

The range and average percentage of sand-sized (Sand%) material; that is material in the Size Fraction 0.074 mm - 4.76 mm diam., as determined by particle-size analysis testing. (e.g. 25-37-52)

CK - FINES (Fine%):

The range and average percentage of silt- and clay-sized (Fine%) material; that is material in the Size Fraction under 0.074 mm diam., as determined by particle-size analysis testing. (e.g. 02-07-12)

CL - D-50:

The range and average Median Diameter (D-50), in microns, of samples subjected to particle-size analysis testing. (e.g. 00210-01200-03600)

CM - PETROGR. NO. - NUMBER

The number of samples for which Petrographic Analysis testing has been completed to determine the Petrographic Number (PN) of samples from the deposit, in accordance with CSA standard A23.2, Appendix B. (e.g. 01, 10)

CN - PETROGR. NO.: RESULTS:

The range and average Petrographic Number (PN) for the deposit, based on petrographic analysis, for the above collection of samples, presented in the format: minimum-average-maximum. (e.g. 102-114-123)

CO - OTHER TESTS:

A listing of up to eight other types of tests conducted on samples from the deposit, the number of samples tested, and the average values of the test results, presented in the format: test (11 digits)-number (2 digits)-average results (4 digits). Typical entries, described in more detail below, include: (e.g. Organ_Plate-02-03.5; Durab_Index-01-0063; React_Pr_3M-01-0.08%; LA_Abrasion-05-23.2; Sulph_Sd_Mg-03-05.8; Rel Density-03-2.64; Absorption%-06-1.11; Other Tests-11-vary)

ABSORPTION%:

The number and average of all results, expressed in terms of weight percentage, of all Absorption testing on samples from the deposit, in accordance with CSA standard A23.2-12A. (e.g. Absorption%-12-01.1)

CLEANESS(C/F):

The number and average of all results of Cleaness of Aggregate testing on samples of coarse or fine aggregate from the deposit, in accordance with California Test Method 224. (e.g. Cleaness(C)-04-50.5)

DURAB_INDEX:

The number and average of all results of durability index testing on samples from the deposit. (e.g. Durab_Index-03-65.3)

LA_ABRASION:

The number and average of all results, expressed in percentage weight loss, of Los Angeles (LA) Abrasion Testing on samples from the deposit, in accordance with CSA A23.2-16A. (e.g. LA Abrasion-03-26.3)

ORGAN_PLATE:

The number and average of all results, expressed in terms of reference plate number, of Organic Plate testing on samples from the deposit. (e.g. Organ Plate-05-03.2)

ORG_CONTENT:

The number and average of all results, expressed in terms of percentage weight loss, of Organic Content testing, in accordance with the Alaskan test method. (e.g. Org Content-12-00.5)

SULPH_SD_MG/NA:

The number and average of all results, expressed in percentage weight loss, of all Sulphate Soundness (Magnesium or Sodium, Mg/Na) testing on samples from the deposit, in accordance with CSA standard A23.2-9A. (e.g. Sulph Sd Na-02-03.2)

REACT_PH/MB_3M/6M/12/18:

The number and average of all results, expressed in terms of percentage expansion, of alkali-aggregate reactivity testing on concrete prisms, or mortar bars, after three, six, twelve or eighteen months, in accordance with CSA A23.2-14A-M77 or ASTM C-227, respectively. (e.g. React_Mb_3M-02-.085)

REL_DENSITY:

The number and average of all results, expressed in terms of saturated surface dry conditions, of all Relative Density testing on samples from the deposit, in accordance with CSA standard A23.2-12A. (e.g. Rel Density-12-2.62)

MATERIAL QUANTITY:

Calculated and/or estimated volumes of granular material contained in the deposit, expressed in terms of DIAND-designated material classes, and in terms of confidence level of the quantities determined in accordance with the following definitions:

CLASS:

DIAND has developed a simple classification system for granular resources, presented in the draft Territorial and Public Lands Pits and Quarries Regulations, which considers both the Unified Soil Classification of materials, and their most suitable end use. The quantity estimates should be given, where possible, in terms of each of the five material classes, as defined in each class field (see CP to CT, below), and in terms of the total (see CU) for the deposit.

PROVEN VOLUME:

Material in each class whose occurrence, distribution, thickness and quality is supported with a high degree of confidence by ground truth such as geotechnical drilling, test pitting, and/or exposed stratigraphic sections. The thickness of material encountered in a borehole is usually extrapolated to a radius not exceeding 50 metres around the hole, with adjustments applied by assessing landform type and anticipated or known deposit homogeneity.

PROBABLE VOLUME:

Material in each class whose existence and extent is inferred on the basis of several types of direct and indirect evidence, including topography, landform characteristics, airphoto interpretation, extrapolation of stratigraphy, geophysical data and/or limited sampling. Additional investigation is needed to determine a reliable material volume. The volume is estimated by projecting known parameters (typically those of proven resources) over the entire deposit, with adjustments for landform type, anticipated homogeneity and other site characteristics such as ice content and drainage.

PROSPECTIVE VOLUME:

Material in each class whose existence is merely speculated on the basis of limited indirect evidence, such as airphoto interpretation and/or general geological considerations. The volume is typically estimated for the maximum areal extent of the deposit and the estimated relief of the geomorphic feature, with adjustments for anticipated site and deposit characteristics.

The material quantities are presented in the following format:
CLASS: PROVEN/PROBABLE/PROSPECTIVE VOLUMES:

CP - CLASS 1:

The calculated and/or estimated volumes of excellent quality granular material, consisting of clean, well-graded, structurally sound sands and gravels suitable for use as high quality surfacing materials, or as high quality asphalt or concrete aggregate, with a minimum of processing.

CQ - CLASS 2:

The calculated and/or estimated volumes of good quality granular material, consisting of well-graded sands and gravels with varying, limited quantities of silt (fines), and suitable for use as good quality base and surface course aggregates, embankment or structure-supporting fill. May be suitable for production of concrete aggregate with extensive processing, except where deleterious material is present.

CR - CLASS 3:

The calculated and/or estimated volumes of fair quality granular material, consisting of generally poorly-graded sands and gravels with or without substantial quantities of silt (fines), and suitable for fair quality general fill (subbase, base, embankment fill) for roads, flexible foundation pads, or lay-down yards.

CS - CLASS 4:

The calculated and/or estimated volumes of poor quality granular material, consisting of generally poorly-graded, silty fine sands with minor gravels, with or without weak particles and deleterious materials, and suitable for marginal general (non-structural) fill.

CT - CLASS 5:

The calculated and/or estimated volumes of fair to excellent quality bedrock, felsenmeer, talus or similar extremely coarse granular material, suitable for quarrying and processing to produce potentially excellent construction materials ranging from general fill, to concrete aggregate, building stone, and erosion control materials such as rip rap or armour stone.

CU - TOTAL VOLUME:

The calculated and/or estimated volume of all of the above classes of granular materials potentially available in the deposit.

CV - TOTAL RECOVERABLE:

The calculated or estimated volume of useable granular material from the deposit, based on the maximum areal extent of useable material in the deposit, and the anticipated maximum recoverable thickness, as determined from test pit and borehole information or inferred from assessment of deposit and site characteristics.

CW - ANNUAL RECOVERABLE:

The calculated or estimated volume of material which is likely to be recovered in a single extraction season, based on the maximum areal extent of useable material in the deposit, and the anticipated maximum thickness of annual thawing of surficial materials, as determined from test pit and borehole information or inferred from assessment of deposit and site characteristics.

CY - COMPILED BY:

The name of the contractor or person who originally compiled the database and a listing of contractors or persons who have subsequently undertaken significant updating of the content of the database (e.g. A. Compiler/Granular Resource Consultants Ltd./J. Doe)

CZ - LAST UPDATE:

The date of the last update of the information presented for the subject granular materials deposit, presented in the format: yy-mm-dd. (e.g. 87-12-13)

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES

DATA DICTIONARY

PART A: STUDY REFERENCE AND LOCATION

AA - STUDY NUMBER:

A unique study identifier number which will serve as a link to other databases (e.g. granular source inventory). This number consists of an alphabet prefix representing the database, to be assigned by INAC, a four digit study number, to be assigned by those preparing the database, and where necessary, a one digit sub-number to separate, for example, geophysical and geotechnical portions of the same study. (e.g. A-0137-1)

AB - YEAR:

The calendar year in which the majority of the field work on the study was completed. (e.g. 1983)

AC - SPONSOR:

The name of the company, department, agency or organization sponsoring the study. (e.g. Indian and Northern Affairs Canada, Yukon Department of Public Works, Gulf Canada, APOA, confidential)

AD - CONTACT:

The name of the person within the sponsoring organization who might be contacted to obtain additional information on the study and/or authorization for its use.

AE - CONTRACTOR:

The name of the prime contractor, consultant or group contracted by the sponsor to undertake the study (e.g. Ripley, Klohn Leonoff International Ltd, Northern Engineering Services Ltd., Geoterrex)

add Contractor File No. ?

LOCATION:

The location of the study will be identified using the Universal Transverse Mercator (UTM) co-ordinates of the southwestern and northeastern corners of a geographic block enclosing the study area. Separate data fields are included for the UTM zone and grid line of the minimum (western and southern) and maximum (eastern and northern) extremities of the block.

AF - MINIMUM ZONE:

The UTM zone in which the southwestern corner of the enclosing block occurs. (e.g. 07)

AG - MINIMUM EASTING:

The UTM grid line of the western extremity of the enclosing block. (e.g. 381987)

AH - MINIMUM NORTHING:

The UTM grid line of the southern extremity of the enclosing block. (e.g. 7548335)

AI - MAXIMUM ZONE:

The UTM zone in which the northeastern corner of the enclosing block occurs. (e.g. 08)

AJ - ~~MINIMUM~~ ^{MAX} EASTING:

The UTM grid line of the western extremity of the enclosing block. (e.g. 567428)

AK - ~~MINIMUM~~ ^{MAX} NORTHING:

The UTM grid line of the northern extremity of the enclosing block. (e.g. 7661560)

AL - LOCATION MAP/PLAN NUMBER:

The map or plan number of any small scale accompanying regional map or trackplot which indicates the location of the study area, or series of separate detailed study/borrow sites or regional survey lines (e.g. A-00087.23).

AM - LOCATION MAP/PLAN FORMAT:

The format or type of data containing the location of the study area, or series of separate detailed study/borrow sites or regional survey lines (e.g. digital 9-track; paper copy; mylar original, folded blue-line).

AN - LOCATION MAP/PLAN SCALE:

The scale, expressed in terms of the representative fraction (e.g. 1:250,000) of any small scale accompanying regional map or trackplot which indicates the location of the study area, or series of separate detailed study/borrow sites or regional survey lines. The denominator only of the representative fraction is given since the numerator is consistently "1" (e.g. 250000)

AO - LOCATION MAP/PLAN DIGITIZER NUMBER:

A unique five digit identifier number, to be assigned later by INAC, which identifies a data set of points, lines, or polygons to be digitized from the location plan. This number links the study catalogue database to INAC's spatial database system. (e.g. 23467)

AP - LOCATION MAP/PLAN ARCHIVING:

The general availability and, where appropriate, specific location of storage of any map or plan number of any small scale accompanying regional map or trackplot which indicates the location of the study area, or series of separate detailed study/borrow sites or regional survey lines (e.g. sponsor/contractor in-house, private/public repository, government agencies, name of contact).

AQ - SITE PLAN(S) NUMBER(S):

The map or plan number(s) of up to six larger scale accompanying local maps, site plans or trackplots which indicate the location of individual detailed study/borrow sites, boreholes/ testpits/grab samples or detailed survey grids for separate study/borrow sites within the main study area (e.g. A-00087.23/00345-34.00/0000000001/0000023-A3/T100089.34/no number.).

AR - SITE PLAN(S) FORMAT(S):

The format(s) or type(s) of up to six larger scale accompanying local maps, site plans or trackplots which indicate the location of individual detailed study/borrow sites, boreholes/ testpits/grab samples or detailed survey grids for separate study/borrow sites within the main study area (e.g. digital 9-track; paper copy; mylar original, folded blue line).

AS - SITE PLAN(S) SCALE(S):

The scale(s), expressed in terms of the representative fraction(s) (e.g. 1:50,000, 1:10,000) of up to six larger scale accompanying local maps, site plans or trackplots which indicate the location of individual detailed study/borrow sites, boreholes/ testpits/grab samples or detailed survey grids for separate study/borrow sites within the main study area. The denominator only of the representative fraction is given since the numerator is consistently "1" (e.g. 50000/10000)

AT - SITE PLAN(S) DIGITIZER NUMBER(S):

A unique five digit identifier number or series of numbers, to be assigned later by INAC, which identifies a data set of points, lines, or polygons to be digitized from the site plans. This number links the study catalogue database to INAC's spatial database system.

AU - SITE PLAN(S) ARCHIVING:

The general availability and, where appropriate, specific location of storage of up to six larger scale accompanying local maps, site plans or trackplots which indicate the location of individual detailed study/borrow sites, boreholes/ testpits/grab samples or detailed survey grids for separate study/borrow sites within the main study area (e.g. sponsor/contractor in-house, private/public repository, government agencies, name of contact).

PART B: STUDY DETAILS

BB - STUDY TYPE:

The type of data collected during the study or sub-study (e.g. hydrographic, geophysical, seabed sampling, geotechnical, dredging)

BC - STUDY SCOPE:

The areal scope of the study or sub-study (e.g. regional, site specific - single site, many sites)

BD - SURVEY LEVEL:

The general purpose or level of detail of the study (e.g. airphoto interpretation, reconnaissance, exploration, delineation, production)

BE - STUDY SIZE:

The extent or size of the study in terms of number of potential borrow sites identified, number of testpits or boreholes, or total number of line kilometers of geophysical data. (e.g. 21 sites; 55 BH's; 145 km)

BF - SURVEY PATTERN:

The pattern in which the individual borrow sites within the study area occur, or in which boreholes or survey lines within specific detailed study sites were laid out. (e.g. random, corridor, line, grid)

BG - SURVEY SPACING:

The relative (e.g. random, wide) or actual (range and/or average) spacing of the survey data or study sites. (e.g. 250 m E-W, 500 m N-S; 10 - 15 km)

BH - PROGRAM LENGTH:

The length, in days and shifts, of the field data collection or survey program. (e.g. 14-21)

BI - SEASON:

The season of the year in which the field data collection or survey program was conducted. (e.g. late summer, winter)

BJ - EQUIPMENT TYPE:

The type(s) of equipment used to collect data or obtain samples. (e.g. hand-excavated testpits; DB cat; sonic drill; boomer, side-scan and sub-bottom profiler; clam)

BK - PENETRATION:

The relative (e.g. poor, shallow, variable) or actual (range and/or average) penetration of geophysical records or drilling equipment. (e.g. 5-7.5-10)

BL - RESOLUTION:

The suitability of the data for distinguishing variations in subsurface stratigraphy, expressed in relative (e.g. poor, variable, unknown) or actual (e.g. range and/or average in tenths of metres) terms. (e.g. 0.5)

BM - SAMPLING/RECORDING RATE:

The relative (e.g. continuous, intermittent, slow) and/ or actual rate of sampling or recording. (e.g. samples at 1 m intervals; chart speed)

BN - SAMPLE/RECORD QUALITY:

A description of the relative overall quality or range in quality of the data, samples or records with regard to its use for determining subsurface stratigraphy and/or borrow quality. (e.g. sonic core - disturbed, but stratigraphically intact; augering with 1.5 m runs; side scan right channel intermittently operating; frequent acoustic voids)

BO - SAMPLE/RECORD TYPE(S):

Additional details on the type(s) of samples (e.g. 75 mm diam. CRREL core, 1-2 kg grab samples, 100 mm sonic casing) or records (e.g. analog, digital, depth corrected) obtained with the indicated types of equipment.

BP - SAMPLE SIZE:

The total number(s) of samples obtained during the study, by type, where appropriate. (e.g. 75 grabs, 15 CRREL core)

BQ - INTERPRETATION/TESTING LEVEL:

The extent of laboratory testing of samples (e.g. routine classification testing only, concrete aggregate suitability testing); or the level of detail of the interpretation of geophysical records (e.g. field, preliminary, detailed) or geotechnical data (e.g. pit plans for 3 sources), as appropriate.

BR - REPORT LEVEL:

The type or level of detail of any report(s) resulting from the study. (e.g. annotated records, field logs/report only, summary/data compilation report, formal geophysical interpretation/ geotechnical evaluation report)

BS - REPORT DISTRIBUTION:

The extent of distribution and/or general availability of any reports resulting from the study. (e.g. internal, sponsor/contractor only, specific government departments/agencies/libraries, published)

BT - DATA ARCHIVING:

The general availability and, where appropriate, specific location of storage of raw data obtained during the study. (e.g. sponsor/contractor in-house, private/public repository, government agencies).

APPENDIX B

Study Catalogue

66 Records

dBase III+ file - GRANCAT.DBF

R&R file - GRANCAT.RP1



CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :North Klondike River; Mile 42.8 (km 68.9)

YEAR :1968,69,74,77
REPORT TITLE :Subsurface Testing Report
North Klondike River
Dempster Highway, Mile 42.8
Yukon Territory

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :7004-6
FORMAT :Blue-line
SCALE :1"=200'
DIGITIZER NO:
ARCHIVING :Public Works Canada

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:634650
MAXIMUM EASTING:634650

MINIMUM NORTHING:7152330
MAXIMUM NORTHING:7152330

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :61 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Approach and Bridge Locations
SURVEY SPACING:N/A

PROGRAM LENGTH:Various

SEASON :Various

EQUIPMENT TYPE:Drill Rig
PENETRATION :4 ft - 61 ft
RESOLUTION :Poor to Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE (S) :Grab, Split Spoon
SIZE :32 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Data Compilation
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :Mile 1-64.5 (km 1.6-103.8)

YEAR :1969
REPORT TITLE :Dempster Hwy. Relocation
Mile 0-64.5
Volume I - Drill Logs
Volume II - Lab Testing Report

LOCATION MAP : SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:7
MINIMUM EASTING:611720
MAXIMUM EASTING:625570
MINIMUM NORTHING:7097580
MAXIMUM NORTHING:7181000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Site
STUDY SIZE :653 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:3 mos. SEASON :Summer

EQUIPMENT TYPE:Drill Rig c/w 4" Solid Flight Augers
PENETRATION :up to 10 ft
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed Samples
TYPE(S) :Grab
SIZE :310 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Vol. I-Logs: Vol. II Lab Test Reports
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Government of Yukon

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

PART A: STUDY REFERENCE AND LOCATION

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
YEAR :1969
REPORT TITLE :Wolf Creek
Mile 31.7, Dempster Highway
LOCATION :Wolf Creek; Mile 31.7 (km 51.0)

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:625240
MAXIMUM EASTING:625240

MINIMUM NORTHING:7139150
MAXIMUM NORTHING:7139150

PART B: STUDY DETAILS

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :1 Borehole
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Proposed Bridge Location
SURVEY SPACING:N/A

PROGRAM LENGTH:N/A SEASON :Summer

EQUIPMENT TYPE:Drill Rig
PENETRATION :50 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :No Samples
QUALITY :No Samples
TYPE (S) :No Samples
SIZE :No Samples

INTERPRETATION/TESTING LEVEL:Routine Classification

REPORT LEVEL :Field Logs Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A

YEAR :1969
REPORT TITLE :Benson Creek
Mile 18.1, Dempster Highway

LOCATION :Benson Creek; Mile 18.1 (km 29.1)

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7

MAXIMUM ZONE:7

MINIMUM EASTING:618950

MAXIMUM EASTING:618950

MINIMUM NORTHING:7119270

MAXIMUM NORTHING:7119270

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :4 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Proposed Bridge Location
SURVEY SPACING:N/A

PROGRAM LENGTH:1 Month

SEASON :Summer

EQUIPMENT TYPE:Drill Rig
PENETRATION :23 ft - 50 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :No Samples
QUALITY :No Samples
TYPE(S) :No Samples
SIZE :No Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada

YEAR :1969,74,75,77
REPORT TITLE :Subsurface Testing Report
Upper Blackstone River
Dempster Highway Mile 53.8
Yukon Territory

CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A

LOCATION :Upper Blackstone River; Mile 53.8(km 86.6)

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :7006-4
FORMAT :Blue-line
SCALE :1"=200'
DIGITIZER NO:
ARCHIVING :Public Works Canada

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:627320
MAXIMUM EASTING:627320

MINIMUM NORTHING:7167100
MAXIMUM NORTHING:7167100

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :41 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Approach and Bridge Location
SURVEY SPACING:N/A

PROGRAM LENGTH:N/A

SEASON :Various

EQUIPMENT TYPE:Drill Rig
PENETRATION :4 ft - 52 ft
RESOLUTION :Fair to Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE(S) :Grab & Split Spoon
SIZE :19 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Data Compilation
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
YEAR :1969,74,75,77
REPORT TITLE :Subsurface Testing Report
Lower Blackstone River
Dempster Highway Mile 72.8
Yukon Territory
LOCATION :Lower Blackstone River; Mile 72.8 (km 117.2)

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :7008-7-2b
FORMAT :Blue-line
SCALE :1"-50'
DIGITIZER NO:
ARCHIVING :Public Works Canada

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:625170
MAXIMUM EASTING:625170

MINIMUM NORTHING:7192590
MAXIMUM NORTHING:7192590

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :50 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Approach and Bridge Location
SURVEY SPACING:N/A

PROGRAM LENGTH:N/A

SEASON :Various

EQUIPMENT TYPE:Drill Rig
PENETRATION :7 ft - 105 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent to Regular Intervals
QUALITY :Disturbed
TYPE(S) :Split Spoon, grabs
SIZE :116 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Data Compilation
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada

YEAR :1969,74,77
REPORT TITLE :Subsurface Testing Report
Upper North Klondike River
Dempster Highway Mile 48.8
Yukon Territory

CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A

LOCATION :Upper North Klondike River; Mile 48.8 (km 78.6)

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :7005-7
FORMAT :Blue-line
SCALE :1"=200'
DIGITIZER NO:
ARCHIVING :Public Work Canada

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:632720
MAXIMUM EASTING:632720

MINIMUM NORTHING:7160590
MAXIMUM NORTHING:7160590

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :15 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Approach and Bridge Location
SURVEY SPACING:N/A

PROGRAM LENGTH:Various

SEASON :Various

EQUIPMENT TYPE:Drill Rig
PENETRATION :4.5 ft - 61 ft
RESOLUTION :Fair to Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed and Undisturbed
TYPE(S) :Grab, Split Spoon, Core
SIZE :26 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Data Compilation
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 5-A
SPONSOR :Public Works Canada
CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
YEAR :1970
REPORT TITLE :Proposed Centerline and
Soil Information on
Abandoned Line
Mile 892-931 (Mackenzie Hwy)
LOCATION :N.W.T. Mile 385-424 (km 619.6 - 682.3)

LOCATION MAP : SITE PLAN :
NUMBER :N/A NUMBER :A21021-255to263, A21020-5to201
FORMAT :Foldout Bluelines FORMAT :Blueline Airphotos
SCALE :1"=4 mi. SCALE :1"=1000' (approx.)
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :Public Works Canada ARCHIVING :Public Works Canada

MINIMUM ZONE:8 MINIMUM EASTING:543000 MINIMUM NORTHING:7488000
MAXIMUM ZONE:8 MAXIMUM EASTING:583000 MAXIMUM NORTHING:7571000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :191 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random/Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:15 Days SEASON :Summer

EQUIPMENT TYPE:Unknown
PENETRATION :5-10.7-20
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Continuous
QUALITY :Disturbed
TYPE (S) :Grabs
SIZE :192 Samples

INTERPRETATION/TESTING LEVEL:Field Logging Along Corridor
REPORT LEVEL :Field Logs Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A3 30
SPONSOR :Public Works Canada
CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :
LOCATION :Mile 424 - 457

YEAR :1971
REPORT TITLE :Mackenzie Highway Soils Survey
Mile 931.5 to 964.0
January 1972

LOCATION MAP :

NUMBER :N/A
FORMAT :4 Folded Blue-line
SCALE :1.25"=1 mi.
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

SITE PLAN :

NUMBER :A21021-114 to 180
FORMAT :Airphoto blackline
SCALE :1"=1000' (approx.)
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:542000
MAXIMUM EASTING:583000

MINIMUM NORTHING:7543000
MAXIMUM NORTHING:7600000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :508 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random/Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown

SEASON :Summer

EQUIPMENT TYPE:Unknown
PENETRATION :1.5-15.3-50
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed Samples
TYPE (S) :Grabs
SIZE :1000 samples (est.)

INTERPRETATION/TESTING LEVEL:Routine Pit Testing
REPORT LEVEL :Field Logs and Lab Data
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER	:N/A	YEAR	:1971
SPONSOR	:Public Works Canada	REPORT TITLE	:Dempster Highway Airphoto Materials Search Mile 166 - 275
CONTACT	:Mr. J. Quong		
CONTRACTOR	:J.D. Mollard & Associates		
FILE NUMBER	:N/A		
LOCATION	:Mile 166-275 (km 267-443)		

LOCATION MAP :

SITE PLAN :

NUMBER	:N/A
FORMAT	:26 Photocopies (Airphotos)
SCALE	:Various
DIGITIZER NO	:N/A
ARCHIVING	:N/A

NUMBER	:N/A
FORMAT	:N/A
SCALE	:N/A
DIGITIZER NO	:N/A
ARCHIVING	:N/A

MINIMUM ZONE:8	MINIMUM EASTING:380500	MINIMUM NORTHING:7304500
MAXIMUM ZONE:8	MAXIMUM EASTING:447500	MAXIMUM NORTHING:7437500

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PART B: STUDY DETAILS

=====

STUDY TYPE :Geophysical/Geotechnical
STUDY SCOPE :Regional
STUDY SIZE :Delineation/Airphoto Interpretation
SURVEY LEVEL :No Field Work
SURVEY PATTERN:N/A
SURVEY SPACING:N/A

PROGRAM LENGTH:N/A SEASON :N/A

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE	:N/A
QUALITY	:N/A
TYPE (S)	:N/A
SIZE	:N/A

INTERPRETATION/TESTING LEVEL:Mapping of Potential Borrow Deposits
REPORT LEVEL :Formal Geotechnical Interpretation
REPORT DISTRIBUTION :Contractor/Sponsor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

PART A: STUDY REFERENCE AND LOCATION

STUDY NUMBER :Unknown
SPONSOR :Public Works Canada
CONTACT :Unknown
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
LOCATION :Km 287 to km 381, Yukon Territory

YEAR :1971, 1972
REPORT TITLE :Dempster Highway
Mile 178 - Mile 236
Lab Analysis

LOCATION MAP : SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8
MINIMUM EASTING:392000
MAXIMUM EASTING:429200
MINIMUM NORTHING:7313850
MAXIMUM NORTHING:7372150

PART B: STUDY DETAILS

STUDY TYPE :Geotechnical
STUDY SCOPE :Regional
STUDY SIZE :270 Samples
SURVEY LEVEL :Unknown
SURVEY PATTERN:Centreline
SURVEY SPACING:Random

PROGRAM LENGTH:4 mos. SEASON :Early Spring & Summ.

EQUIPMENT TYPE:Unknown
PENETRATION :Unknown
RESOLUTION :Unknown

SAMPLING/RECORDING

RATE :Unknown
QUALITY :Unknown
TYPE(S) :Bag
SIZE :270 Bag

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Lab Results Only (No Logs)
REPORT DISTRIBUTION :Sponsor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :Mile 178-236 (km 286.6-380)
YEAR :1971, 1972
REPORT TITLE :South of Eagle
Laboratory Reports
Series D-E
Mile 178 - 236

LOCATION MAP : SITE PLAN :
NUMBER :N/A NUMBER :N/A
FORMAT :N/A FORMAT :N/A
SCALE :N/A SCALE :N/A
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :N/A ARCHIVING :N/A

MINIMUM ZONE:8 MINIMUM EASTING:391900 MINIMUM NORTHING:7313500
MAXIMUM ZONE:8 MAXIMUM EASTING:429000 MAXIMUM NORTHING:7371000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :Unknown
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:7 mos. SEASON :Winter'77 Spring'72

EQUIPMENT TYPE:Auger
PENETRATION :Unknown
RESOLUTION :Poor to Fair

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed, Shelby Tubes, Core
TYPE(S) :Grab, Blast Hole Samples, Shelby tube
SIZE :350 Samples

INTERPRETATION/TESTING LEVEL:Classification Testing Only
REPORT LEVEL :Laboratory Tests Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :Dempster Highway, North of Eagle Plains
YEAR :1972
REPORT TITLE :North of Eagle
Series DNE-NW RR-LR RM
Field Notes - Volume I
Lab Report - Volume II

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:N/A
MAXIMUM EASTING:N/A

MINIMUM NORTHING:N/A
MAXIMUM NORTHING:N/A

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :270 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:2 mos.

SEASON :Summer

EQUIPMENT TYPE:Auger
PENETRATION :3 - 9 m
RESOLUTION :Poor to Fair

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE(S) :Grab Samples
SIZE :431 Samples

INTERPRETATION/TESTING LEVEL:Classification
REPORT LEVEL :Field Logs/Lab Data Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Northwest Hydraulic Consultant
Edmonton, Alberta
FILE NUMBER :N/A
LOCATION :Mile 250-289.8 (km 403-467)
LOCATION MAP : SITE PLAN :
NUMBER :Figure 1 NUMBER :Figure 2
FORMAT :Photocopy FORMAT :Photocopy
SCALE :1"=30 miles SCALE :1"=5 miles
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :Public Works Canada ARCHIVING :Public Works Canada
MINIMUM ZONE:8 MINIMUM EASTING:442500 MINIMUM NORTHING:7385500
MAXIMUM ZONE:8 MAXIMUM EASTING:447500 MAXIMUM NORTHING:7437500

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PART B: STUDY DETAILS
=====

STUDY TYPE :Hydrologic Study
STUDY SCOPE :Regional
STUDY SIZE :No Field Work
SURVEY LEVEL :Airphoto Interpretation/Data Review
SURVEY PATTERN:N/A
SURVEY SPACING:N/A
PROGRAM LENGTH:N/A SEASON :N/A
EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A
SAMPLING/RECORDING
RATE :N/A
QUALITY :N/A
TYPE(S) :N/A
SIZE :N/A
INTERPRETATION/TESTING LEVEL:Mapping Drainage Areas & Determining Peak Flows
REPORT LEVEL :Formal Hydrologic
REPORT DISTRIBUTION :Contractor/Sponsor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

PART A: STUDY REFERENCE AND LOCATION

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :Mr. K. Koropatnick
CONTRACTOR :Integrated Res. Development
Schultz Intern.-Vancouver,B.C.
FILE NUMBER :CG170.3.2
LOCATION :Dempster Highway

YEAR :1972
REPORT TITLE :Environmental Impact Study of
of the Dempster Highway
Folio #1 of 2

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :3 Maps
FORMAT :Photocopy
SCALE :1:50000
DIGITIZER NO:N/A
ARCHIVING :Government of Yukon

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:610100
MAXIMUM EASTING:521000

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7487000

PART B: STUDY DETAILS

STUDY TYPE :Environmental
STUDY SCOPE :Regional
STUDY SIZE :N/A
SURVEY LEVEL :Reconnaissance/Airphoto Interpretation
SURVEY PATTERN:N/A
SURVEY SPACING:N/A

PROGRAM LENGTH:Unknown

SEASON :N/A

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A
TYPE(S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Mapping of Sensitive Areas with Photographic Display

REPORT LEVEL :Formal Environmental
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Government of Yukon

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 6
SPONSOR :Public Works Canada
YEAR :1972
REPORT TITLE :Dempster Hwy, Mi.277-322:AP'72
July'72 Field Trip, Demp. Hwy.
N.W.T. Mi.278 at Boundary,
Mi.322 on Peel River

CONTACT :Dennis Cook
CONTRACTOR :J.D. Mollard & Assoc. Ltd.
FILE NUMBER :Unknown

LOCATION :Mile 298-342 (km 479.6-550.4)

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:435000
MAXIMUM EASTING:521000

MINIMUM NORTHING:7432000
MAXIMUM NORTHING:7487000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :171 Sites
SURVEY LEVEL :Airphoto Interpretation/Reconnaissance
SURVEY PATTERN:Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:N/A

SEASON :Summer

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Preliminary
REPORT LEVEL :Annotated Records
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 3
SPONSOR :Public Works Canada
CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
LOCATION :Y.T. Mile 268.5 - 289.7 (km 432.1 - 466.2)

YEAR :1972
REPORT TITLE :Dempster Highway
Mile 268.5-289.7
Test Hole Laboratory Results
1972 Geotechnical Survey

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:435000
MAXIMUM EASTING:456000

MINIMUM NORTHING:7404000
MAXIMUM NORTHING:7460000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :18 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:6 Days

SEASON :Summer

EQUIPMENT TYPE:Auger
PENETRATION :4-10=25 ft
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE (S) :Grabs
SIZE :33 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs Data Compilation Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :01 17:00 A2 1
SPONSOR :Public Works Canada

YEAR :1972
REPORT TITLE :Dempster Highway
Mile 254.5 - 268.5
Test Hole Laboratory Results
1972 Geotechnical Survey

CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown

LOCATION :Y.T. Mile 254.5 - 268.5 (km 409.6 - 432.1)

LOCATION MAP : SITE PLAN :

NUMBER :N/A	NUMBER :N/A
FORMAT :N/A	FORMAT :N/A
SCALE :N/A	SCALE :N/A
DIGITIZER NO:N/A	DIGITIZER NO:N/A
ARCHIVING :N/A	ARCHIVING :N/A

MINIMUM ZONE:8	MINIMUM EASTING:434000	MINIMUM NORTHING:7377000
MAXIMUM ZONE:8	MAXIMUM EASTING:456000	MAXIMUM NORTHING:7432000

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :87 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:6 Days SEASON :Summer

EQUIPMENT TYPE:Auger
PENETRATION :5-10-30 ft
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE(S) :Grabs
SIZE :94 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs.Data Compilation Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :Unknown
SPONSOR :Public Works Canada
CONTACT :Unknown
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
YEAR :1972
REPORT TITLE :Dempster Highway, North of
Eagle River, Mile 236 - 254.5
Field Soil Logs
Lab Soils Reports
LOCATION :km 373 to km 401.5, Yukon Territory

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:423850
MAXIMUM EASTING:442050

MINIMUM NORTHING:7370150
MAXIMUM NORTHING:7383600

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :83 Boreholes
SURVEY LEVEL :Unknown
SURVEY PATTERN:Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:8 days

SEASON :Summer

EQUIPMENT TYPE:Auger
PENETRATION :2 ft to 20 ft
RESOLUTION :Poor to Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Augered
TYPE (S) :Grab
SIZE :78 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs and Lab Results Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada (Yukon Office)

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER	:N/A	YEAR	:1972 - 1974
SPONSOR	:Public Works Canada	REPORT TITLE	:Terrain Eval. of the Dempster Highway Across the Eagle Plain & Along the Richardson Mountains, Y.T.
CONTACT	:N/A		
CONTRACTOR	:Neil W. Richardson Dist. Mat. Engineer-Sask.Hwys.		
FILE NUMBER	:N/A		
LOCATION	:Mile 166-290 (km 267-467)		

LOCATION MAP :		SITE PLAN :			
NUMBER	:Figures 1, 2	NUMBER	:Figures, 4 - 18		
FORMAT	:Photocopy	FORMAT	:14 Photocopies (Airphotos)		
SCALE	:1"=4 miles	SCALE	:1"=20 miles		
DIGITIZER NO:	N/A	DIGITIZER NO:	N/A		
ARCHIVING	:Public Works Canada	ARCHIVING	:Public Works Canada		
MINIMUM ZONE:	8	MINIMUM EASTING:	380500	MINIMUM NORTHING:	7304500
MAXIMUM ZONE:	8	MAXIMUM EASTING:	447500	MAXIMUM NORTHING:	7437500

=====

PART B: STUDY DETAILS

=====

STUDY TYPE	:Geophysical/Geotechnical		
STUDY SCOPE	:Regional		
STUDY SIZE	:Limited		
SURVEY LEVEL	:Reconnaissance/Delineation/Airphoto Interpretation		
SURVEY PATTERN:	N/A		
SURVEY SPACING:	N/A		
PROGRAM LENGTH:	2 years	SEASON	:Summers in Field
EQUIPMENT TYPE:	N/A		
PENETRATION	:N/A		
RESOLUTION	:N/A		
SAMPLING/RECORDING			
RATE	:Limited Sampling		
QUALITY	:Limited Sampling		
TYPE (S)	:Limited Sampling		
SIZE	:Limited Sampling		
INTERPRETATION/TESTING LEVEL:	Mapping Terrain Units in Study Area		
REPORT LEVEL	:Formal Geophysical Interpretation		
REPORT DISTRIBUTION	:Contractor/Sponsor		
DATA ARCHIVING	:Public Works Canada		
EBA PROJECT NUMBER	: 0201-4800		

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :OTT-72-141
SPONSOR :DIAND
CONTACT :Unknown
CONTRACTOR :Ripley, Klohn Leonoff
FILE NUMBER :
LOCATION :Arctic Red River, N.W.T.
YEAR :1973
REPORT TITLE :Community Granular Materials
Inventory, Arctic Red River,
N.W.T.

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :Paper Copy
SCALE :1"=2 mi., 1"=4 mi.
DIGITIZER NO:N/A
ARCHIVING :DIAND
NUMBER :A13406-161,234,258,307
FORMAT :Half Tone Airphoto
SCALE :1"=3000' (approx.)
DIGITIZER NO:N/A
ARCHIVING :DIAND

MINIMUM ZONE:8
MAXIMUM ZONE:8
MINIMUM EASTING:543000
MAXIMUM EASTING:564000
MINIMUM NORTHING:7460000
MAXIMUM NORTHING:7488000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Regional
STUDY SIZE :5 Boreholes
SURVEY LEVEL :Exploration
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown
SEASON :Summer

EQUIPMENT TYPE:Hand Auger
PENETRATION :2-15.2-40
RESOLUTION :Unknown

SAMPLING/RECORDING

RATE :Random
QUALITY :Disturbed
TYPE(S) :Grabs
SIZE :89 Samples

INTERPRETATION/TESTING LEVEL:Routine Plus Petrographic

REPORT LEVEL :Summary
REPORT DISTRIBUTION :DIAND
DATA ARCHIVING :Government Agencies

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :OTT-72-141
SPONSOR :DIAND
CONTACT :Unknown
CONTRACTOR :Ripley, Klohn Leonoff
FILE NUMBER :Unknown
LOCATION :Fort McPherson, N.W.T.

YEAR :1973
REPORT TITLE :Community Granular
Materials Inventory
Fort McPherson, N.W.T.

LOCATION MAP :

NUMBER :N/A
FORMAT :Paper copy
SCALE :1"=2mi./1"=4 mi.
DIGITIZER NO:N/A
ARCHIVING :DIAND

SITE PLAN :

NUMBER :A12848-54 to A17621-114
FORMAT :Half-tone Airphoto
SCALE :1"=3000' (approx.)
DIGITIZER NO:N/A
ARCHIVING :DIAND

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:500000
MAXIMUM EASTING:521000

MINIMUM NORTHING:7459000
MAXIMUM NORTHING:7487000

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Regional
STUDY SIZE :12 Boreholes
SURVEY LEVEL :Exploration
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown

SEASON :Summer

EQUIPMENT TYPE:Hand Auger
PENETRATION :2-29-200
RESOLUTION :Unknown

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Unknown
TYPE (S) :Grabs
SIZE :53 Samples

INTERPRETATION/TESTING LEVEL:Routine Plus Petrographic

REPORT LEVEL :Summary
REPORT DISTRIBUTION :DIAND
DATA ARCHIVING :Government Agencies

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 6
SPONSOR :Public Works Canada
YEAR :1973
REPORT TITLE :Geotechnical Investigation
Dempster Highway
Mi.290-344
Compiled Oct. 1977 (#1519-1634)
CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
LOCATION :Mile 290-344 (km 466.7-553.6)

LOCATION MAP : SITE PLAN :
NUMBER :N/A NUMBER :A20217-34 to A23037-4
FORMAT :N/A FORMAT :Airphot Blackline Mosaics
SCALE :N/A SCALE :1"=1000' (approx.)
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :N/A ARCHIVING :Public Works Canada

MINIMUM ZONE:8 MINIMUM EASTING:435000 MINIMUM NORTHING:7432000
MAXIMUM ZONE:8 MAXIMUM EASTING:521000 MAXIMUM NORTHING:7487000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :14 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:9 days SEASON :Winter

EQUIPMENT TYPE:N/A
PENETRATION :30-51-105 ft
RESOLUTION :Poor to Variable

SAMPLING/RECORDING

RATE :Intermittent 2 ft - 5ft Intervals
QUALITY :Disturbed
TYPE (S) :Grabs
SIZE :182 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 6
SPONSOR :Public Works Canada
CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
LOCATION :Mile 290-344 (km 466.7-553.6)

YEAR :1973
REPORT TITLE :Geotechnical Investigation
Dempster Highway Mile 290-344
Compiled Oct. 1977
#1400-1451

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :A20217-34 to A23037-4
FORMAT :Airphoto Blackline Mosaics
SCALE :1"=1000' (approx.)
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:435000
MAXIMUM EASTING:521000

MINIMUM NORTHING:7432000
MAXIMUM NORTHING:7487000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :54 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown

SEASON :Summer

EQUIPMENT TYPE:Heli
PENETRATION :6-24-50 ft
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE (S) :Grabs
SIZE :248 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :Unknown
SPONSOR :Public Works Canada
CONTACT :Unknown
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
LOCATION :km 97 to km 126, Yukon Territory

YEAR :1974
REPORT TITLE :Dempster Highway Centreline
Relocation, Mile 60 - 78
1974 Investigation
Laboratory Testing Reports

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:624650
MAXIMUM EASTING:629000

MINIMUM NORTHING:7174850
MAXIMUM NORTHING:7200000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Regional
STUDY SIZE :100 Boreholes
SURVEY LEVEL :Exploration
SURVEY PATTERN:Unknown
SURVEY SPACING:Unknown

PROGRAM LENGTH:1 mon.

SEASON :Late Summer

EQUIPMENT TYPE:Unknown
PENETRATION :Unknown
RESOLUTION :Unknown

SAMPLING/RECORDING

RATE :Unknown
QUALITY :Unknown
TYPE (S) :Bag
SIZE :192 Bag

INTERPRETATION/TESTING LEVEL:Routing Classification Testing
REPORT LEVEL :Lab Results Only (No Logs)
REPORT DISTRIBUTION :Sponsor
DATA ARCHIVING :Public Works Canada (Yukon Office)

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 6
SPONSOR :Public Works Canada
CONTACT :Dennis Cooke
CONTRACTOR :R.M. Hardy & Associates Ltd.
FILE NUMBER :E-2864
LOCATION :N.W.T. Mile 344 (km 553.6)

YEAR :1974
REPORT TITLE :Laboratory Test Results on
Borrow Material for Dempster
Highway (Fort McPherson West)

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:435000
MAXIMUM EASTING:521000

MINIMUM NORTHING:7432000
MAXIMUM NORTHING:7487000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :8 Boreholes
SURVEY LEVEL :Reconnaissance
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown

SEASON :Unknown

EQUIPMENT TYPE:Unknown
PENETRATION :20-39-50 ft
RESOLUTION :5 feet

SAMPLING/RECORDING

RATE :2 ft - 5ft Intervals
QUALITY :Disturbed
TYPE(S) :Grab
SIZE :65 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Data Compilation Report
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 6
SPONSOR :Public Works Canada
CONTACT :Dennis Cooke
CONTRACTOR :R.M. Hardy & Associates Ltd.
FILE NUMBER :E-2864
LOCATION :N.W.T. Mile 344 (km 553.6)

YEAR :1974
REPORT TITLE :Laboratory Testing for Borrow
Material for Dempster Highway
(Fort McPherson West)

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:435000
MAXIMUM EASTING:521000

MINIMUM NORTHING:7432000
MAXIMUM NORTHING:7487000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :1 Site
STUDY SIZE :1 Borehole
SURVEY LEVEL :Reconnaissance
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown

SEASON :Unknown

EQUIPMENT TYPE:Unknown
PENETRATION :75 ft
RESOLUTION :5 ft

SAMPLING/RECORDING

RATE :2 ft - 5ft Intervals
QUALITY :Disturbed
TYPE(S) :Grab
SIZE :24 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Data Compilation Report
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :Unknown
SPONSOR :Public Works Canada
CONTACT :Unknown
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown

YEAR :1974
REPORT TITLE :Dempster Highway
Mile 0 to 78 1974

LOCATION :km 0 to km 125.6, Yukon Territory

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:610100
MAXIMUM EASTING:629000

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7200000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many sites
STUDY SIZE :188 Boreholes
SURVEY LEVEL :Unknown
SURVEY PATTERN:Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:20 days

SEASON :Late Summer

EQUIPMENT TYPE:B-40L Rig
PENETRATION :3.5 ft - 19.5 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Augering with Bag Samples from Flights
TYPE (S) :Bag
SIZE :250 Bags

INTERPRETATION/TESTING LEVEL:Routine Classification Testing
REPORT LEVEL :Logs and Lab Testing Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada (Yukon Office)

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :Mile 0-78 (km 0-126)

YEAR :1974
REPORT TITLE :Dempster Hwy. Rel. 0-78
1974 Borrow & Gravel Search
Laboratory Test Results Only

LOCATION MAP : SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:7
MINIMUM EASTING:610100
MAXIMUM EASTING:629000
MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7200340

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Lab Test Results
STUDY SIZE :Samples from 63 Boreholes
SURVEY LEVEL :N/A
SURVEY PATTERN:N/A
SURVEY SPACING:N/A

PROGRAM LENGTH:3 mos. SEASON :Fall

EQUIPMENT TYPE:Backhoe
PENETRATION :Up to 3.7 m
RESOLUTION :Fair

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed Samples
TYPE (S) :Grab
SIZE :64 Grabs

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Data Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Government of Yukon

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :Unknown
SPONSOR :Public Works Canada
YEAR :1974
REPORT TITLE :Eagle River Dridge
Mile 296 Dempster Highway
Field and Lab Results
March-April, 1974
CONTACT :Unknown
CONTRACTOR :Public Works Canada
FILE NUMBER :Unknown
LOCATION :Eagle River Bridge km 373, Yukon Territory

LOCATION MAP : SITE PLAN :
NUMBER :N/A NUMBER :N/A
FORMAT :N/A FORMAT :N/A
SCALE :N/A SCALE :N/A
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :N/A ARCHIVING :N/A

MINIMUM ZONE:8 MINIMUM EASTING:423850 MINIMUM NORTHING:7370150
MAXIMUM ZONE:8 MAXIMUM EASTING:423850 MAXIMUM NORTHING:7370150

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Sepsific
STUDY SIZE :6 Boreholes
SURVEY LEVEL :Exploration (Foundation)
SURVEY PATTERN:Line
SURVEY SPACING:Random

PROGRAM LENGTH:14 days SEASON :Early Spring

EQUIPMENT TYPE:B-40 Mobile; Hollow Augers
PENETRATION :25.5 ft - 109 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Hollow Stem Augering with Distrubed & Undisturbed
TYPE (S) :Split Spoon; Tubes; Permafrost Cores
SIZE :65 SS; 29 Tubes; 25 Permafrost

INTERPRETATION/TESTING LEVEL:Routine Classification and Some Strength Tests
REPORT LEVEL :Field Logs and Lab Test Results Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada (Yukon Office)

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :PWC #1004-6
SPONSOR :Public Works Canada
CONTACT :Mr. J. Quong
CONTRACTOR :R.M. Hardy & Associates
FILE NUMBER :E-3098
LOCATION :Mile 0-78 (km 1-126)

YEAR :1974, 1975
REPORT TITLE :Geotechnical Investigation
Dempster Highway, Mile 0 - 78
Volumes I & II

LOCATION MAP :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:7

MINIMUM EASTING:610100
MAXIMUM EASTING:629000

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7200340

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PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Regional
STUDY SIZE :188 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:1 Month

SEASON :Fall

EQUIPMENT TYPE:Drill Rig B40L
PENETRATION :4 ft - 15 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed
TYPE(S) :Grab
SIZE :250 Samples

INTERPRETATION/TESTING LEVEL:Classification/Interpretation
REPORT LEVEL :Formal Geotechnical
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :PWC/Government of Yukon

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

PART A: STUDY REFERENCE AND LOCATION

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
YEAR :1975
REPORT TITLE :Geotechnical Reports
Seven Bridge Sites, Demp. Hwy.
NOTE: Report cirloxed, and
each site cirloxed sep.
CONTACT :Mr. J.Y.C. Quong
CONTRACTOR :R.M. Hardy & Associates
FILE NUMBER :E-3098

LOCATION :Benson, Wolf, Big, Clear, Engineer, Flat, Fox

LOCATION MAP : SITE PLAN :

NUMBER	:N/A	NUMBER	:N/A
FORMAT	:N/A	FORMAT	:N/A
SCALE	:N/A	SCALE	:N/A
DIGITIZER NO:	N/A	DIGITIZER NO:	N/A
ARCHIVING	:N/A	ARCHIVING	:N/A

MINIMUM ZONE:7 MINIMUM EASTING:610100 MINIMUM NORTHING:7097200
MAXIMUM ZONE:7 MAXIMUM EASTING:629000 MAXIMUM NORTHING:7200340

PART B: STUDY DETAILS

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific at 7 Sites
STUDY SIZE :30 Boreholes
SURVEY LEVEL :Reconnaissance/Production
SURVEY PATTERN:Abutment, Approach Locations
SURVEY SPACING:Random

PROGRAM LENGTH:4 Mos. SEASON :Summer

EQUIPMENT TYPE:Drill Rig
PENETRATION :15 ft - 62 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent '69, Regular Intervals '74
QUALITY :Disturbed
TYPE (S) :Core, SPT Samples, Grab
SIZE :90 Samples

INTERPRETATION/TESTING LEVEL:Classification/Interpretation

REPORT LEVEL :Formal Geotechnical
REPORT DISTRIBUTION :Contractor/Sponsor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :Mile 268-289.7 (km 431-466)

YEAR :1976
REPORT TITLE :Soil Logs
Dempster Highway, Y.T.
Mile 268 - 289.7
By DPW Western Region

LOCATION MAP :

NUMBER :085005
FORMAT :Blue-line (Constr. Drawing)
SCALE :1:250000
DIGITIZER NO:N/A
ARCHIVING :Government of Yukon

SITE PLAN :

NUMBER :N/A
FORMAT :Construction Drawing
SCALE :1"=400'
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8
MINIMUM EASTING:441100
MAXIMUM EASTING:447500
MINIMUM NORTHING:7411500
MAXIMUM NORTHING:7437500

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Site
STUDY SIZE :83 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:2 Mos.

SEASON :Winter

EQUIPMENT TYPE:Drill Rig
PENETRATION :15 ft - 45 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Regular Intervals
QUALITY :Disturbed Samples
TYPE (S) :Grab
SIZE :604 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Data Compilation Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :01 17:00 A2 4
SPONSOR :Public Works Canada
YEAR :1976
REPORT TITLE :Dempster Highway
Mile 268.5 - 289.7
Test Hole Laboratory Results
1976 Geotech Survey
CONTACT :Dennis Cooke
CONTRACTOR :Public Works Canada
FILE NUMBER :
LOCATION :Yukon Mile 268.5-289.7 (km 432.1-466.2)

LOCATION MAP : SITE PLAN :

NUMBER	:N/A	NUMBER	:N/A
FORMAT	:N/A	FORMAT	:N/A
SCALE	:N/A	SCALE	:N/A
DIGITIZER NO:	N/A	DIGITIZER NO:	N/A
ARCHIVING	:N/A	ARCHIVING	:N/A

MINIMUM ZONE:8	MINIMUM EASTING:434000	MINIMUM NORTHING:7404000
MAXIMUM ZONE:8	MAXIMUM EASTING:456000	MAXIMUM NORTHING:7459000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :98 Boreholes
SURVEY LEVEL :ReconnaissanceDelineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:16 Days SEASON :Winter

EQUIPMENT TYPE:Air
PENETRATION :10-25-49 ft
RESOLUTION :Poor to Variable

SAMPLING/RECORDING

RATE :5 ft Interval
QUALITY :Disturbed Samples
TYPE (S) :Grabs
SIZE :718 Grabs

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs Only
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :625.7.800 C1
SPONSOR :Public Works Canada
YEAR :1976, 1978
REPORT TITLE :Final Construction Report
Stripping of Gravel Sources &
Construction of Haul Road - km
512.8, Dempster Highway, N.W.T.
CONTACT :Unknown
CONTRACTOR :Klohn Leonoff
FILE NUMBER :085928
LOCATION :N.W.T. km 512.8

LOCATION MAP : SITE PLAN :
NUMBER :N/A NUMBER :N/A
FORMAT :N/A FORMAT :Foldout Blackline
SCALE :N/A SCALE :1:2000
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :N/A ARCHIVING :Public Works Cnd. Govt. N.W.T.

MINIMUM ZONE:8 MINIMUM EASTING:481000 MINIMUM NORTHING:7456000
MAXIMUM ZONE:8 MAXIMUM EASTING:482000 MAXIMUM NORTHING:7457000

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PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :1 Borrow, 2 TP, 11 Boreholes
SURVEY LEVEL :Delineation
SURVEY PATTERN:Grid
SURVEY SPACING:100 m E-W, N-S

PROGRAM LENGTH:2 days SEASON :BH:Win'78;TP:Spr.'76

EQUIPMENT TYPE:Unknown
PENETRATION :BH:13.5' TP:22'
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :No Sampling in BH; 2-3 m intervals in TP
QUALITY :Disturbed Samples
TYPE(S) :Grab
SIZE :6 Grab in TP; None in BH

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Test Pit Lab Data
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :Mile 245.5-268.5 (km 395-431)

YEAR :1976,1977
REPORT TITLE :Dempster Hwy. Mi. 254.5-268.5
Test Hole Laboratory Results
1976 Geotechnical Survey

LOCATION MAP :

NUMBER :N/A
FORMAT :Construction Drawing
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

SITE PLAN :

NUMBER :N/A
FORMAT :Construction Drawing
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:437500
MAXIMUM EASTING:441100

MINIMUM NORTHING:7379500
MAXIMUM NORTHING:7411500

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :30 Boreholes
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:2 mos.

SEASON :Winter'76, Spring'77

EQUIPMENT TYPE:Drill Rig
PENETRATION :15 ft - 30 ft
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Regular Intervals
QUALITY :Disturbed Samples
TYPE(S) :Grab
SIZE :173 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification

REPORT LEVEL :Field Logs/Data Compilation Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

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PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :60-6026C
SPONSOR :Public Works Canada
CONTACT :Mr. John Hudson
CONTRACTOR :Fenco Consultants Ltd.
FILE NUMBER :N/A

YEAR :1977
REPORT TITLE :Dempster Highway Long Term
Remedial Work Study
(Dempster Highway Repairs)
Mile 123 - 155

LOCATION :Mile 123-155 (km 198-250)

LOCATION MAP :

SITE PLAN :

NUMBER :Figure 1
FORMAT :Blue-line
SCALE :1"=100 miles
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

NUMBER :Figures 2 - 43
FORMAT :Blue-line (Airphoto Mosaics)
SCALE :1"=1000'
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:625450
MAXIMUM EASTING:363500

MINIMUM NORTHING:7251350
MAXIMUM NORTHING:7291500

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PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical & Hydrologic
STUDY SCOPE :Regional
STUDY SIZE :12 Areas Listed for Remedial Work
SURVEY LEVEL :Photographic Analysis & Interpretation (Aerial & Ground)
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH: SEASON :N/A

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Airphoto Mosaics Showing Remedial Work Locations
REPORT LEVEL :Formal Geotechnical Evaluation
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada

YEAR :1977
REPORT TITLE :Installation Report - Permabed
Test Section, Prepared by PWC,
Dempster Highway, Mile 237.2
Henderwood Industries Ltd.

CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A

LOCATION :Mile 237.2 (km 381.9)

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :Photocopy
SCALE :1"=20'
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:423850
MAXIMUM EASTING:424000

MINIMUM NORTHING:7370150
MAXIMUM NORTHING:7370700

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Construction Inspection
STUDY SCOPE :Site Specific
STUDY SIZE :9 Boreholes (Thermistor Installation)
SURVEY LEVEL :N/A
SURVEY PATTERN:Predetermined Locations - Test Section
SURVEY SPACING:N/A

PROGRAM LENGTH:5 days

SEASON :Early Spring

EQUIPMENT TYPE:Drill Rig
PENETRATION :40 ft
RESOLUTION :Not Recorded

SAMPLING/RECORDING

RATE :No Sampling
QUALITY :No Sampling
TYPE(S) :No Sampling
SIZE :No Sampling

INTERPRETATION/TESTING LEVEL:Construction Inspection
REPORT LEVEL :Formal Construction Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :N/A
SPONSOR :DIAND
CONTACT :Mr. R.S. Freisen, Res.& S.P.O.
CONTRACTOR :Archer, Cathro & Assoc. Ltd.
FILE NUMBER :N/A

YEAR :1977
REPORT TITLE :Yukon Gravel Inventory-Vol. 2
Dawson Resource Mgmt. Area

LOCATION :Mile 0-190 (km 0-306)

LOCATION MAP :

NUMBER :Figures 46 - 50
FORMAT :Photocopy
SCALE :1:50000
DIGITIZER NO:N/A
ARCHIVING :DIAND - Land Use

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:610100
MAXIMUM EASTING:395200

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7326800

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PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical/Land Use
STUDY SCOPE :Regional
STUDY SIZE :254 Sites
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:N/A
SURVEY SPACING:N/A

PROGRAM LENGTH:unknown

SEASON :Spring & Summer

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Mapping of Borrow Source Areas
REPORT LEVEL :Existing Information Review/Compilation
REPORT DISTRIBUTION :Contractor/Sponsor
DATA ARCHIVING :DIAND - Land Use

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

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PART A: STUDY REFERENCE AND LOCATION

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STUDY NUMBER :Unknown
SPONSOR :Parlee, Irving, Henning,
Mustard & Rodney
CONTACT :Unknown
CONTRACTOR :EBA Engineering Consult. Ltd.
FILE NUMBER :15-950
YEAR :1978
REPORT TITLE :Dempster Highway Claim
Mile 178.3 - 236.8
Reports No. 13 - 43
LOCATION :km 287.1 to km 381.2, Y.T.

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:392000
MAXIMUM EASTING:429200

MINIMUM NORTHING:7313850
MAXIMUM NORTHING:7372150

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PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical - Borrow Pit Evaluation
STUDY SCOPE :Site Specific - Many Sites
STUDY SIZE :31 Borrow Sites
SURVEY LEVEL :Court Claims Survey
SURVEY PATTERN:Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:Unknown SEASON :Summer

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Detailed Evaluation
REPORT LEVEL :Geotechnical Evaluation
REPORT DISTRIBUTION :Sponsor/Contractor/PWC
DATA ARCHIVING :Sponsor/Contractor/PWC

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :Unknown
SPONSOR :Foothills Pipelines (Yukon) Ltd
CONTACT :A.L. Edgeworth
CONTRACTOR :Klohn Leonoff Consultants Ltd.
FILE NUMBER :AL1023
LOCATION :km 0 to km 715, Y.T. N.W.T.

YEAR :1978
REPORT TITLE :Dempster Lateral
Drilling Program
Volume 1 and Volume 2

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :Blackline Topographic
SCALE :1:250000
DIGITIZER NO:N/A
ARCHIVING :Klohn Leonoff Consultants

NUMBER :N/A
FORMAT :Airphoto Half-tones
SCALE :1'=2000' (approx)
DIGITIZER NO:N/A
ARCHIVING :Klohn Leonoff Consultants

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:610100
MAXIMUM EASTING:472500

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7575300

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many sites
STUDY SIZE :96 Boreholes
SURVEY LEVEL :Exploration
SURVEY PATTERN:Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:4 mos.

SEASON :Summer, Fall

EQUIPMENT TYPE:Failing 1000 and Mayhwen 200 Heli-Drill

PENETRATION :2.8 - 8.8 - 25.0 m

RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent 0.5 to 1.0 m
QUALITY :Disturbed
TYPE(S) :CRREL Core; split spoons; bag
SIZE :735 C; 104 SS; 354 BAG

INTERPRETATION/TESTING LEVEL:Routine Classification

REPORT LEVEL :Field Logs

REPORT DISTRIBUTION :Sponsor/Contractor

DATA ARCHIVING :Sponsor/Contractor

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :Unknown
SPONSOR :Foothills Pipe Lines (Yukon) Ltd.
CONTACT :Unknown
CONTRACTOR :Hardy Associates (1978) Ltd.
FILE NUMBER :K4321
LOCATION :km 0 - 715, Dempster Highway

YEAR :1978
REPORT TITLE :Dempster Lateral Gas Pipeline Project
Permafrost Delineation
Geophysical Survey

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :Half-tone Airphotos
SCALE :1:24000
DIGITIZER NO:N/A
ARCHIVING :HARDY ASSOCIATES

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:610100
MAXIMUM EASTING:472500

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7575300

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PART B: STUDY DETAILS

=====

STUDY TYPE :Geophysical
STUDY SCOPE :Many Sites
STUDY SIZE :61 Sites
SURVEY LEVEL :Airphoto Interpretation and Electrical Resistivity
SURVEY PATTERN:Corridor
SURVEY SPACING:Random

PROGRAM LENGTH:18 days
SEASON :Summer

EQUIPMENT TYPE:Geonics EM31 and EM34
PENETRATION :N/A
RESOLUTION :Good

SAMPLING/RECORDING

RATE :10 m Grid
QUALITY :Unknown
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Detailed Geophysical Interpretation
REPORT LEVEL :Formal Geophysical Interpretation
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Sponsor/Contractor

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Public Works Canada
CONTACT :N/A
CONTRACTOR :Public Works Canada
FILE NUMBER :N/A
LOCATION :km 0 - 127 (Vol. I) km 127 - 460 (Vol. II)

YEAR :1978
REPORT TITLE :Dempster Hwy. Mat'l Search
km 0-127 (Volume I)
km 127-460 (Volume II)

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:610100
MAXIMUM EASTING:447500

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7437500

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PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Many Sites
STUDY SIZE :Vol. I - 154 BH's: Vol. II - 149 BH's
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:2 mos.

SEASON :Summer

EQUIPMENT TYPE:Backhoe and/or Auger
PENETRATION :0.6 - 9.1 m
RESOLUTION :Poor

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed Samples
TYPE(S) :Grab
SIZE :Vol. I - 133 Samples
Vol. II - 99 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Field Logs/Lab Data Compilation Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Vol. I - YTG; Vol. II - FWC

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :Unknown
SPONSOR :Foothills Pip Lines (Yukon) Ltd.
CONTACT :Unknown
CONTRACTOR :Hardy Associates (1978) Ltd.
FILE NUMBER :K4329

YEAR :1979
REPORT TITLE :Terrain Analysis of The Dempster Pipeline Route

LOCATION :km 0 - 715, Y.T., N.W.T.

LOCATION MAP :

NUMBER :N/A
FORMAT :paper copy
SCALE :1:2 000 000
DIGITIZER NO:N/A
ARCHIVING :Hardy Associates

SITE PLAN :

NUMBER :1A to 77
FORMAT :Half-tone Airphoto
SCALE :1:33333
DIGITIZER NO:N/A
ARCHIVING :Hardy Associates

MINIMUM ZONE:7
MAXIMUM ZONE:8

MINIMUM EASTING:610100
MAXIMUM EASTING:472500

MINIMUM NORTHING:7097200
MAXIMUM NORTHING:7575300

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Terrain Classification
STUDY SCOPE :Regional
STUDY SIZE :715 kms
SURVEY LEVEL :Airphoto Interpretation
SURVEY PATTERN:Corridor
SURVEY SPACING:Continuous

PROGRAM LENGTH:N/A

SEASON :N/A

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Detailed Interpretation
REPORT LEVEL :Formal Terrain Classification & Mapping
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Sponsor/Contractor

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A YEAR :1981
SPONSOR :Canada-Yukon General Subsidiary REPORT TITLE :Geological Interpretations &
Renewable Resource Information Evaluation of the Dempster
& Tourist Industry Development Highway Area
CONTACT :N/A NOTE: Maps not incl. Report
CONTRACTOR :Terrain Anal. & Mapping Serv.
Carp, Ontario
FILE NUMBER :N/A

LOCATION :Richardson Mountains to Tintina Trench

LOCATION MAP : SITE PLAN :
NUMBER :N/A NUMBER :N/A
FORMAT :N/A FORMAT :N/A
SCALE :N/A SCALE :N/A
DIGITIZER NO:N/A DIGITIZER NO:N/A
ARCHIVING :N/A ARCHIVING :N/A

MINIMUM ZONE:7 MINIMUM EASTING:610100 MINIMUM NORTHING:7097200
MAXIMUM ZONE:8 MAXIMUM EASTING:447500 MAXIMUM NORTHING:7437500

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geological
STUDY SCOPE :Regional
STUDY SIZE :Limited Field Work
SURVEY LEVEL :Reconnaissance Only
SURVEY PATTERN:N/A
SURVEY SPACING:N/A
PROGRAM LENGTH:N/A SEASON :N/A

EQUIPMENT TYPE:N/A
PENETRATION :N/A
RESOLUTION :N/A

SAMPLING/RECORDING

RATE :N/A
QUALITY :N/A No Sampling
TYPE (S) :N/A
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Mapping of Surficial Geology
REPORT LEVEL :Data Compilation/Formal Geological Rep.
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Government of Yukon/Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: STUDY REFERENCE AND LOCATION

=====

STUDY NUMBER :01 17:00 A2 7
SPONSOR :Public Works Canada
CONTACT :Dennis Cook
CONTRACTOR :Public Works Canada
FILE NUMBER :9/01AMS3/RC/2
LOCATION :km 496 N.W.T.

YEAR :1984
REPORT TITLE :Geotechnial Investigation
Thaw-Subsidence
Km 496, Dempster Hwy. N.W.T.

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

NUMBER :Unknown
FORMAT :Blueline Airphoto
SCALE :1"=200' (Approx.)
DIGITIZER NO:N/A
ARCHIVING :Public Works Canada

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:457000
MAXIMUM EASTING:478000

MINIMUM NORTHING:7432000
MAXIMUM NORTHING:7459000

=====

PART B: STUDY DETAILS

=====

STUDY TYPE :Geotechnical
STUDY SCOPE :Site Specific
STUDY SIZE :8 Boreholes
SURVEY LEVEL :Delineation
SURVEY PATTERN:Grid
SURVEY SPACING:105 m N-S, 150 m E-W

PROGRAM LENGTH:Unknown

SEASON :Winter

EQUIPMENT TYPE:B-40
PENETRATION :2.5-4.7-6.1 m
RESOLUTION :0.1 m

SAMPLING/RECORDING

RATE :0.5 - 1.5 m
QUALITY :Disturbed
TYPE (S) :Grab
SIZE :31 Samples

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Geotechnical Evaluation Report
REPORT DISTRIBUTION :Internal
DATA ARCHIVING :Public Works Canada

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :Unknown
SPONSOR :Government of N.W.T.
YEAR :1985
REPORT TITLE :Geotechnical Evaluation
Dempster Highway, N.W.T.
Selected Sites
N.W.T. km 8.5 - 247
CONTACT :Unknown
CONTRACTOR :EBA Eng. Consultants Ltd.
FILE NUMBER :0201-4426
LOCATION :N.W.T. km 476.5 - 561.5

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A
NUMBER :N/A
FORMAT :Paper copy of one site
SCALE :1:500
DIGITIZER NO:N/A
ARCHIVING :Government of N.W.T.

MINIMUM ZONE:8
MAXIMUM ZONE:8
MINIMUM EASTING:457000
MAXIMUM EASTING:585000
MINIMUM NORTHING:7431000
MAXIMUM NORTHING:7711000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical
STUDY SCOPE :8 Sites
STUDY SIZE :46 Boreholes
SURVEY LEVEL :Exploration/Delineation
SURVEY PATTERN:Corridor
SURVEY SPACING:50 m E-W, 50 m N-S

PROGRAM LENGTH:10 days
SEASON :Fall

EQUIPMENT TYPE:CME 750 Hollow/Solid Auger, CRREL Barral
PENETRATION :2.4 - 6.6 - 10.7 m
RESOLUTION :0.2 m

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :CRREL Core, and Disturbed
TYPE(S) :100 m Dia. CRREL Core, Grab, SPT
SIZE :102 CRREL Core, 46 Grab, 5 SPT

INTERPRETATION/TESTING LEVEL:Routine Classification Testing
REPORT LEVEL :Geotechnical Evaluation Report
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Sponsor/Contractor

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :N/A
SPONSOR :Government of Yukon-Highways
CONTACT :Mr. W. Gutowski
CONTRACTOR :Klohn Leonoff Yukon Ltd.
FILE NUMBER :PA2290.01.01
LOCATION :km 139-243

YEAR :1986
REPORT TITLE :Geotechnical Investigation of
Construction Materials
km 139-243, Dempster Hwy. Y.T.

LOCATION MAP :

SITE PLAN :

NUMBER :B-2290.01
FORMAT :Photocopy
SCALE :1:250000
DIGITIZER NO:N/A
ARCHIVING :Government of Yukon

NUMBER :A-2290.01, 1 - 9
FORMAT :Photocopy
SCALE :NTS
DIGITIZER NO:N/A
ARCHIVING :Government of Yukon

MINIMUM ZONE-7
MAXIMUM ZONE-7

MINIMUM EASTING:632410
MAXIMUM EASTING:636500

MINIMUM NORTHING:7211200
MAXIMUM NORTHING:7290500

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geotechnical Investigation
STUDY SCOPE :10 Sites
STUDY SIZE :31 Test Pits
SURVEY LEVEL :Reconnaissance/Delineation
SURVEY PATTERN:Random
SURVEY SPACING:Random

PROGRAM LENGTH:1 month

SEASON :Late Summer

EQUIPMENT TYPE:Tracked Backhoe
PENETRATION :0.75 - 4.6 m
RESOLUTION :Good

SAMPLING/RECORDING

RATE :Intermittent
QUALITY :Disturbed Bulk Samples
TYPE(S) :Grab
SIZE :As required for Rip Rap, Filter &
Embankment Material

INTERPRETATION/TESTING LEVEL:Routine Classification
REPORT LEVEL :Formal Geotech. Eval. T.P Logs, Lab Data
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Government of Yukon

EBA PROJECT NUMBER : 0201-4800

CATALOGUE OF GRANULAR RESOURCE RELATED FIELD ACTIVITIES
STUDY DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: STUDY REFERENCE AND LOCATION
=====

STUDY NUMBER :Unknown
SPONSOR :Government of N.W.T.
CONTACT :Mr. M. Lanteigne
CONTRACTOR :EBA Eng. Consultants Ltd.
FILE NUMBER :0101-4657
LOCATION :N.W.T. km 468 - 553

YEAR :1987
REPORT TITLE :Ground Penetrating Radar
Sources, Dempster Highway
N.W.T. km 0 - 85

LOCATION MAP :

SITE PLAN :

NUMBER :N/A
FORMAT :Paper Copy
SCALE :1:200000
DIGITIZER NO:N/A
ARCHIVING :Government of N.W.T.

NUMBER :N/A
FORMAT :N/A
SCALE :N/A
DIGITIZER NO:N/A
ARCHIVING :N/A

MINIMUM ZONE:8
MAXIMUM ZONE:8

MINIMUM EASTING:435000
MAXIMUM EASTING:564000

MINIMUM NORTHING:7431000
MAXIMUM NORTHING:7488000

=====
PART B: STUDY DETAILS
=====

STUDY TYPE :Geophysical
STUDY SCOPE :Regional
STUDY SIZE :85 km
SURVEY LEVEL :Exploration/Reconniassance
SURVEY PATTERN:Line
SURVEY SPACING:Continuous

PROGRAM LENGTH:6 days

SEASON :Winter

EQUIPMENT TYPE:Ground Penetrating Radar
PENETRATION :2.5-3.5 m
RESOLUTION :0.5 m

SAMPLING/RECORDING

RATE :Continuous
QUALITY :N/A
TYPE (S) :Analog, Distance Recorded
SIZE :N/A

INTERPRETATION/TESTING LEVEL:Detailed

REPORT LEVEL :Annotated Records/Formal Geophy. Interp.
REPORT DISTRIBUTION :Sponsor/Contractor
DATA ARCHIVING :Sponsor/Contractor

EBA PROJECT NUMBER : 0201-4800

APPENDIX C

APPENDIX C

Deposit Database

118 Records

dBase III+ file - SOURCAT.DBF

R&R file - SOURCAT.RP1



NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : EBA, 1983
NTS MAP REFERENCE : 1050/15 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-610950 LOCATION : North Fork Road
UTM NORTHING : 7098650
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 1.1 OFFSET : 1200-L
CROSS REFERENCES : North Fork Powerhouse Road

SOURCE ACCESS : Haul Road
ACCESS DISTANCE : 1200 CONDITION : Good
AREA (ha) : 10 SITE SCALE: 1140 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1983
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 9 TEST PITS NO : 9 EXPOSURES - NO.: 1
DEPTH : 1.7-2.9-5.7 DEPTH: 1.9-2.5-3 DEPTH: 0.1-0.5

SOURCE TOPOGRAPHY : Gravel Terrace SLOPE: Flat But Irregular
AREA DRAINAGE : Well Drained
SOURCE VEGETATION : 100 mm Diamter Aspen to 10 m in Height, Few 5.0 m High Spruce
PERMAFROST FEATURES: Poorly bonded, Few Pockets of Ice Bonded Gravel
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA: 05/05/83
GENERIC ORIGIN : Alluvial LANDFORMS (S) : Raised Terrace
GRANULAR TYPE : GRAVEL AND SAND-well graded OVERBURD-TYPE : ORGANICS OVER SILT
GRANULAR THICKNESS : 1.4-2.3-5.3 O/B THICKNESS : 0.5
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Klondike River
DEVELOP. POTENTIAL : Excellent

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 11 MOISTURE CONTENT-NUMBER : 0
CLASS : GW/GW/GW RESULTS: NA
SIZE ANALYSIS - NO : 12 GRAVEL : 54-62-73 SAND: 33-34-41 FINES : 1-4-6
OVERSIZE : <10% D-50 : 00600-01200-02000
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : L.A. Abrasion - Grading B - % wear 16%

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (RJG), (MCP) CLASS 4: Unknown
LAST UPDATE : 05/20/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1150/15 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-611600 LOCATION : km 1.3 Dempster Highway
UTM NORTHING : 7097600
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 1.3 OFFSET : R-L
CROSS REFERENCES : NA

SOURCE ACCESS : Pit Entrance off Right Side of Highway
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation c/w Backhoe LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 12 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.5-3.4-4.0 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Alluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL-poorly graded OVERBURD-TYPE : ORGANICS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-0.3-0.6
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Water at 1.4 m along W perimeter of existing Pit
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 15 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GM/GP RESULTS: NA
SIZE ANALYSIS - NO : 15 GRAVEL : 62-74-81 SAND: 16-23-32 FINES : 1-3-6
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : Trial Crush No:6 G:57-63-67 S:31-34-37 F:2-4-7

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: Unknown
LAST UPDATE : 05/31/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978,1974
NTS MAP REFERENCE : 1150/15 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-613350 LOCATION : km 3.3 on Dempster Hwy
UTM NORTHING : 7098070
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 3.3 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Entrance off Highway into Existing Pit
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-3.5-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL-sandy OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-0.6
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 73-UN-91 SAND: 8-UN-25 FINES : 1-UN-3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/27/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1150/5 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-614850 LOCATION : Km 5.1 on Dempster Hwy
UTM NORTHING : 7098750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 5.1 OFFSET : 60-R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Entrance
ACCESS DISTANCE : 0 CONDITION : NA
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL-some sand OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 81-86 SAND: 13-17 FINES : 1-2
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/27/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-615800 LOCATION : North Fork Road Junction
UTM NORTHING : 7099900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 6.6 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 5 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-3.3-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 5 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 5 GRAVEL : 70-UN-81 SAND: 18-UN-26 FINES : 1-UN-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)

LAST UPDATE : 05/27/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-616220 LOCATION : km 6.9 on Dempster Hwy.
UTM NORTHING : 7099950
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 6.9 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Road
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7-3.7-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANIC SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.3
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 73-UN/79 SAND: 19-UN-25 FINES : 2-2-2
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/27/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-616390 LOCATION : km 7.2 on Dempster Hwy
UTM NORTHING : 7100350
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 7.2 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Access for Existing Pit
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 80 SAND: 18 FINES : 2
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/27/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-617000 LOCATION : km 7.8 on Dempster Hwy
UTM NORTHING : 7100310
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 7.8 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 70 SAND: 28 FINES : 2
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/27/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-617780 LOCATION : 6 Mile Creek
UTM NORTHING : 7101250
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 9.2 OFFSET : 70-L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 82 SAND: 16 FINES : 2
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/27/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-618560 LOCATION : km 10.9 Dempster Highway
UTM NORTHING : 7102390
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 10.9 OFFSET : 40-L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GM/GW-GM RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 59-65 SAND: 23-26 FINES : 9-18
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/27/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1168/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-618480 LOCATION : km 11.4 Dempster Highway
UTM NORTHING : 7102900
LOCAL NAME (S) : Unknwon
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 11.4 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 70 SAND: 27 FINES : 3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/27/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-619010 LOCATION : km 12.5 Dempster Highway
UTM NORTHING : 7103850
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 12.5 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration/Delineation LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.3-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-1.5
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 67-UN-78 SAND: 20-UN-26 FINES : 2-UN-7
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:4 G:64-66-68 S:28-27-30 F:4-7-11

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/27/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-621000 LOCATION : km 17.7 Dempster Highway
UTM NORTHING : 7109050
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 17.7 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.2-3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 79 SAND: 18 FINES : 3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No: 1 G:69 S:27 F:4

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-621060 LOCATION : km 19.2 Dempster Highway
UTM NORTHING : 7110490
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 19.2 OFFSET : 65-R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : 3.0 O/B THICKNESS : NA
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 67 SAND: 26 FINES : 7
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-619500 LOCATION : km 21.7 Dempster Highway
UTM NORTHING : 7112350
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 21.7 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GM/GP-GM RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 50-68 SAND: 21-26 FINES : 11-24
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 1168/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-619320 LOCATION : km 22.4 Dempster Highway
UTM NORTHING : 7112860
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 22.4 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.2-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.3
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GM RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 44-62 SAND: 23-28 FINES : 15-29
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd.
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-619340 LOCATION : km 26.8 Dempster Highway
UTM NORTHING : 7117180
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 26.8 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.7-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 3 GRAVEL : 68-UN-79 SAND: 19-UN-29 FINES : 2-UN-3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:3 G:58-59-60 S:36-37-37 F:4-5-5

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 5000
UTM ZONE/EASTING : 7-619100 LOCATION : Benson Creek
UTM NORTHING : 7119070
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 28.6 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 8 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.5-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 8 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 8 GRAVEL : 75-UN-82 SAND: 16-UN-22 FINES : 2-UN-3
OVERSIZE : Unknown 0-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:7 G:62-UN-73 S:23-UN-34 F:2-UN-4

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-620000 LOCATION : km 33.6 Dempster Highway
UTM NORTHING : 7123510
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 33.6 OFFSET : 30-L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7-3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.7
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 62 SAND: 24 FINES : 14
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/2 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-620500 LOCATION : km 35.6 Dempster Highway
UTM NORTHING : 7125390
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 35.6 OFFSET : 65-L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 46 SAND: 28 FINES : 26
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-621650 LOCATION : km 39.9 Dempster Highway
UTM NORTHING : 7130200
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 39.9 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.5-2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 80 SAND: 16 FINES : 4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH No.1 G:68 S:26 F:6

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978, 1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-621700 LOCATION : Pea Soup Creek
UTM NORTHING : 7131360
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 40.6 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.8-3.0 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.3-1.7
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 44 SAND: 26 FINES : 30
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-622150 LOCATION : km 43.7 Dempster Highway
UTM NORTHING : 7133370
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 43.7 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.1-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.6-0.8
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 76-76-76 SAND: 20-UN-21 FINES : 3-UN-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-623270 LOCATION : km 46.9 Dempster Highway
UTM NORTHING : 7136250
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 46.9 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-UN-3.3 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.8
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 3 GRAVEL : 75-UN-80 SAND: 17-UN-22 FINES : 3-UN-6
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-623430 LOCATION : Scout Car Creek
UTM NORTHING : 7136450
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 47.0 OFFSET : 16-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 1.5
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 61 SAND: 32 FINES : 7
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978, 1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 5000
UTM ZONE/EASTING : 7-624850 LOCATION : km 49.9 Dempster Highway
UTM NORTHING : 7138450
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 49.9 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 8 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-UN-3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-1.8
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 8 MOISTURE CONTENT-NUMBER : 0
CLASS : GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 8 GRAVEL : 58-UN-84 SAND: 16-UN-34 FINES : 1-UN-12
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:5 G:61-UN-74 S:24-UN-34 F:3-UN-4

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-626700 LOCATION : km 53.1 Dempster Highway
UTM NORTHING : 7140470
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 53.1 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 76 SAND: 21 FINES : 3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978,1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-628100 LOCATION : km 56.3 Dempster Highway
UTM NORTHING : 7142620
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 56.3 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 6 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 0.3-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.9
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GW RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 60-UN-82 SAND: 15-UN-26 FINES : 1-UN-5
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:3 G:61-UN-69 S:27-UN-34 F:3-UN-7

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1168/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629070 LOCATION : km 57.7 Dempster Highway
UTM NORTHING : 7143750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 57.7 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7-3.7-2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.6-UN-0.8
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 6 MOISTURE CONTENT-NUMBER : 0
CLASS : GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 6 GRAVEL : 68-UN-79 SAND: 17-UN-26 FINES : 3-UN-14
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:6 G:58-UN-75 S:22-UN-34 F:4-UN-17

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629300 LOCATION : km 58.0 Dempster Highway
UTM NORTHING : 7144000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 58.0 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.5-2.5 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.4-0.7
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GM/GW-GM RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 61-63 SAND: 25-30 FINES : 9-12
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978, 1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629750 LOCATION : km 58.6 Dempster Highway
UTM NORTHING : 7144800
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 58.6 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 5 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.5-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT AND MOSS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.6
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 5 MOISTURE CONTENT-NUMBER : 0
CLASS : GM/GP-GM/GW-GM RESULTS: NA
SIZE ANALYSIS - NO : 5 GRAVEL : 53-UN-80 SAND: 17-UN-41 FINES : 3-UN-13
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:1 G:52 S:37 F:11

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-630070 LOCATION : Grizzly Creek
UTM NORTHING : 7145150
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 59.0 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 82 SAND: 16 FINES : 2
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC,1974
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629500 LOCATION : Grizzly Creek
UTM NORTHING : 7145200
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 59.0 OFFSET : NA
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1974
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 11.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANIC AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 1.0
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 5 MOISTURE CONTENT-NUMBER : 5
CLASS : SM/SM/GW-GM RESULTS: 8-UN-13
SIZE ANALYSIS - NO : 5 GRAVEL : 40-UN-60 SAND: 27-UN-46 FINES : 10-UN-15
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-630800 LOCATION : 1.2 km NE-Grizzly Creek
UTM NORTHING : 7128520
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 60.2 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.2 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 72 SAND: 24 FINES : 4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: Unknown
LAST UPDATE : 05/30/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-630640 LOCATION : Mike and Art Creek
UTM NORTHING : 7148120
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 62.9 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration rilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.8-2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 77-UN-82 SAND: 13-UN-18 FINES : 5-5-5
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd.
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-634600 LOCATION : 4.1 km NE-Mike & Art Cr.
UTM NORTHING : 7151450
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 67.1 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.8-UN-2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 3 GRAVEL : 78-UN-83 SAND: 11-UN-16 FINES : 3-UN-6
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1:
ANNUAL RECOVERABLE : 0 CLASS 2:
CLASS 3:
CLASS 4:
TOTAL VOLUME : 0 CLASS 5:
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/30/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC,1977,1974,1969
NTS MAP REFERENCE : 116B/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-634500 LOCATION : North Klondike River
UTM NORTHING : 7151500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 68.0 OFFSET : R-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1977
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 13 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 2.5-UN-18.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost Evident
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-0.9
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 26 MOISTURE CONTENT-NUMBER : 25
CLASS : SM/SM/GW-GM RESULTS: 6-UN-65
SIZE ANALYSIS - NO : 26 GRAVEL : 4-UN-99 SAND: 1-UN-88 FINES : 7-UN-43
OVERSIZE : Unknown 0-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/31/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1168/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-633750 LOCATION : 2.7 km NE-Klondike Bridge
UTM NORTHING : 7155100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 70.7 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.9
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP-GM/GP-GM RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 60-UN-71 SAND: 23-UN-33 FINES : 6-UN-10
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:4 G:50-UN-67 S:27-UN-45 F:5-UN-9

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-632870 LOCATION : km 77.8 Dempster Highway
UTM NORTHING : 7160450
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 77.8 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.8 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GW-GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 63 SAND: 30 FINES : 7
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1168/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-632450 LOCATION : km 78.9 Dempster Highway
UTM NORTHING : 7161250
LOCAL NAME (S) : Unknwon
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 78.9 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 0 EXPOSURES - NO.: 1
DEPTH : NA DEPTH: NA DEPTH: Unknown
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : SM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 36 SAND: 48 FINES : 16
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: Unknown
LAST UPDATE : 05/31/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-631980 LOCATION : km 81.0 Dempster Highway
UTM NORTHING : 7163370
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 81.0 OFFSET : R-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.4-UN-3.0 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-0.3
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GW-GM RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 58-81 SAND: 11-36 FINES : 6-8
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:2 G:44-59 S:11-36 F:5-19

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

PART A: :LOCATION AND STATUS

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-631360 LOCATION : km 82.3 Dempster Highway
UTM NORTHING : 7164210
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 82.3 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Active
PAST USE - SOURCE : Borrow - 10500m3 Removed
PERFORM RATING : Unknown

PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION

INVESTIGATION LEVEL: Exploration LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : 2.3 O/B THICKNESS : NA
UNDERBURDEN : SILT
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

PART C: :TEST RESULTS AND MATERIAL QUANTITY

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 51 SAND: 30 FINES : 19
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : Trial Crush No:1 G:54 S:29 F:17

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-630650 LOCATION : 83.2 Dempster Highway
UTM NORTHING : 7164790
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 83.2 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.8-UN-3.3 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP-GM/GP-GM RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 67-73 SAND: 19-24 FINES : 8-9
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/31/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC,1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629750 LOCATION : km 84.5 Dempster Highway
UTM NORTHING : 7165550
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 84.5 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 68 SAND: 20 FINES : 12
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629230 LOCATION : km 85.3 Dempster Highway
UTM NORTHING : 7166040
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 85.3 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 2 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : 4.5-4.5 DEPTH: 3.0 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL or SAND OVERBURD-TYPE : SILT and/or ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-0.3-0.6
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 2
CLASS : SM/SM/GM RESULTS: 8-9
SIZE ANALYSIS - NO : 3 GRAVEL : 28-UN-64 SAND: 19-UN-50 FINES : 17-UN-23
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-628820 LOCATION : km 85.8 Dempster Highway
UTM NORTHING : 7166360
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 85.8 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 69 SAND: 28 FINES : 3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 1
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1977, 1974, 1969
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-627000 LOCATION : Upper Blackstone River
UTM NORTHING : 7167100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 87.0 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: SeeMap DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1977
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 23 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.5-Un-15.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Blackstone River
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND and/or GRAVEL OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-3.8
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 16 MOISTURE CONTENT-NUMBER : 7
CLASS : SM/SM/GW-GM RESULTS: 12-UN-56
SIZE ANALYSIS - NO : 16 GRAVEL : 10-UN-67 SAND: 22-UN-62 FINES : 4-UN-50
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-626095 LOCATION : km 89.8 Dempster Highway
UTM NORTHING : 7168540
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 89.8 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.4-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GW/GW RESULTS: NA
SIZE ANALYSIS - NO : 3 GRAVEL : 64-UN-70 SAND: 27-UN-32 FINES : 3-UN-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-626100 LOCATION : km 90.4 Dempster Highway
UTM NORTHING : 7168950
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 90.4 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 65 SAND: 32 FINES : 3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-626200 LOCATION : km 90.7 Dempster Highway
UTM NORTHING : 7169300
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 90.7 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.5 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 62 SAND: 32 FINES : 6
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/31/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-626150 LOCATION : km 91.1 Dempster Highway
UTM NORTHING : 7169700
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 91.1 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 5 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5-UN-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.6-UN-1.5
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 3
CLASS : SW-SM/SW-SM/GW-GM RESULTS: 6-UN-9
SIZE ANALYSIS - NO : 3 GRAVEL : 41-UN-47 SAND: 45-UN-50 FINES : 6-UN-9
OVERSIZE : Unknown 0-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/31/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-625300 LOCATION : Access to Fox Creek
UTM NORTHING : 7170950
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 92.6 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Access to Fox Creek
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.1-UN-2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : Unknown
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/PG RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 59-68 SAND: 30-35 FINES : 2-6
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/31/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-624850 LOCATION : km 107.2 Dempster Highway
UTM NORTHING : 7183650
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 107.2 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 6 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : 4.0-UN-4.5 DEPTH: 1.2 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.2-UN-0.9
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 6 MOISTURE CONTENT-NUMBER : 5
CLASS : GP/SW-SM/GW-GM RESULTS: 3-UN-5
SIZE ANALYSIS - NO : 6 GRAVEL : 41-UN-71 SAND: 26-UN-52 FINES : 2-UN-9
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-625000 LOCATION : km 107.5 Dempster Highway
UTM NORTHING : 7183900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 107.5 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : ExistingPite Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Borrow and Crushing
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : 4.5 DEPTH: 0.9-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 1
CLASS : SP-SM/GP/GP RESULTS: 5
SIZE ANALYSIS - NO : 2 GRAVEL : 44-69 SAND: 28-49 FINES : 3-7
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-625700 LOCATION : km 113.3 Dempster Highway
UTM NORTHING : 7189300
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 113.3 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO. : 0
DEPTH : NA DEPTH: 1.4 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 76 SAND: 23 FINES : 1
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineernig Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 06/01/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-625150 LOCATION : Lower Blackstone River
UTM NORTHING : 7192250
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 116.8 OFFSET : R-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 4 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : 4.5-4.5-4.5 DEPTH: 3.0-3.0-3.0 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : OGRANICS AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.3-UN-0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 5 MOISTURE CONTENT-NUMBER : 3
CLASS : SM/GP-GM/GP RESULTS: 5-UN-15
SIZE ANALYSIS - NO : 5 GRAVEL : 7-UN-46 SAND: 22-UN-51 FINES : 4-UN-42
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd.
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-626550 LOCATION : km 118.6 Dempster Highway
UTM NORTHING : 7193500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 118.6 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 3 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : 4.5-4.5-4.5 DEPTH: 0.6-UN-2.1 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-3.2
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : SP-SM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 28-77 SAND: 21-63 FINES : 2-9
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 06/01/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1977, 75, 74, 69
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-627600 LOCATION : Lower Blackstone River
UTM NORTHING : 7194600
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 120.1 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation LAST INVEST DATE: 1977
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 26 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.9-UN-32.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL and/or SAND OVERBURD-TYPE : ORGANICS/SILT/ICE
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-2.4
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 55 MOISTURE CONTENT-NUMBER : 38
CLASS : SM/SM/GW RESULTS: 5-UN-138
SIZE ANALYSIS - NO : 55 GRAVEL : 1-UN-77 SAND: 19-UN-90 FINES : 2-UN-49
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: :LOCATION AND STATUS

=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : FWC, 1978, 1974
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-628900 LOCATION : km 124.7 Dempster Highway
UTM NORTHING : 7199100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 124.7 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Crush Source
PERFORM RATING : Unknown

=====

PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION

=====

INVESTIGATION LEVEL: Delineation/Production LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 7 TEST PITS NO : 8 EXPOSURES - NO.: 0
DEPTH : 3.7-UN-4.5 DEPTH: 1.2-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL and/or SAND OVERBURD-TYPE : ORGANICS and/or SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-2.4
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====

PART C: :TEST RESULTS AND MATERIAL QUANTITY

=====

USC - NUMBER : 11 MOISTURE CONTENT-NUMBER : 3
CLASS : GM/GP-GM/GW-GM RESULTS: 4-UN-9
SIZE ANALYSIS - NO : 11 GRAVEL : 53-UN-80 SAND: 17-UN-41 FINES : 2-UN-20
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629000 LOCATION : km 127.3 Dempster Highway
UTM NORTHING : 7201650
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 127.3 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 3 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-1.2
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 3 GRAVEL : 76-UN-81 SAND: 17-UN-21 FINES : 2-UN-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629700 LOCATION : Cash Creek
UTM NORTHING : 7205400
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 132.9 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 6 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 3.0-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : OGRANGIC SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 6 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 6 GRAVEL : 66-UN-80 SAND: 18-UN-26 FINES : 2-UN-8
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629900 LOCATION : North of Cash Creek
UTM NORTHING : 7205750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 133.3 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.4-3.7 DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANIC SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-0.6
UNDERBURDEN : Unknwon
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 59-82 SAND: 16-37 FINES : 3-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants CLASS 4: Unknown
LAST UPDATE : 06/01/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116B/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-632200 LOCATION : km 137.4 Dempster Highway
UTM NORTHING : 7209750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 137.4 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.4 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 80 SAND: 17 FINES : 7
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1166/1 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-628800 LOCATION : km 154.5 Dempster Highway
UTM NORTHING : 7218100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 154.5 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.5-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-1.2
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 3 GRAVEL : 64-UN-85 SAND: 13-UN-24 FINES : 2-UN-12
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:3 G-54-UN-70 S-25-UN-33 F-2-UN-12

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 06/01/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116G/1 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-624000 LOCATION : km 160.9 Dempster Highway
UTM NORTHING : 7221000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 160.9 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 7 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.1-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 7 MOISTURE CONTENT-NUMBER : 0
CLASS : GP-GM/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 7 GRAVEL : 64-UN-83 SAND: 15-UN-25 FINES : 2-UN-11
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH No:5 G:58-UN-66 S:30-UN-35 F:4

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd.
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1166/1 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-623300 LOCATION : km 170.3 Dempster Highway
UTM NORTHING : 7229400
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 170.3 OFFSET : 60-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 4 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5-UN-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : OGRANCIS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.3-UN-2.1
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 4
CLASS : GP-GM/GP/GW-GM RESULTS: 6-UN-7
SIZE ANALYSIS - NO : 4 GRAVEL : 46-UN-74 SAND: 21-UN-47 FINES : 3-UN-8
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 06/02/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1166/1 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-623350 LOCATION : km 170.4 Dempster Highway
UTM NORTHING : 7229500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 170.4 OFFSET : 60-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 4 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5-4.5-4.5 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost with Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANICS and/or SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.9-UN-2.7
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 4
CLASS : GP-GM/GP/GW-GM RESULTS: 5-UN-8
SIZE ANALYSIS - NO : 4 GRAVEL : 49-UN-76 SAND: 20-UN-45 FINES : 4-UN-8
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (AMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : FWC, 1978
NTS MAP REFERENCE : 116G/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-628500 LOCATION : Sulpher Creek
UTM NORTHING : 7248100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 190.3 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 0.9-0.9 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 1 GRAVEL : 55 SAND: 43 FINES : 2
OVERSIZE : Unknown D-50 : Unknown

PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:1 G:57 S:41 F:2

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116G/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-625800 LOCATION : km 194.7 Dempster Highway
UTM NORTHING : 7251100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 194.7 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 4 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.5-UN-2.4 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND over GRAVEL OVERBURD-TYPE : ORGANIC SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-0.3
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 48-UN-81 SAND: 18-UN-48 FINES : 1-UN-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:3 G:48-UN-74 S:25-UN-48 F:1-UN-4

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116G/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-629400 LOCATION : MP 131 Airstrip
UTM NORTHING : 7262000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 210.8 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 7 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 0.9-UN-3.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANIC SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 5 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 5 GRAVEL : 72-UN-81 SAND: 17-UN-26 FINES : 2-UN-3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:4 G:60-UN-71 S:26-UN-36 F:2-UN-3

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116G/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-631450 LOCATION : km 231.4 Dempster Highway
UTM NORTHING : 7280900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 231.4 OFFSET : 15-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly OVERBURD-TYPE : ORGANICS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : SP-SM RESULTS: 6
SIZE ANALYSIS - NO : 1 GRAVEL : 34 SAND: 61 FINES : 5
OVERSIZE : Unknown D-50 : Unknown

PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116G/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-631500 LOCATION : km 231.6 Dempster Highway
UTM NORTHING : 7281100
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 231.6 OFFSET : 80-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 6 TEST PITS NO : 0 EXPOSURES - NO. : 0
DEPTH : 4.5-UN-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANCIS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 1.5-UN-4.2
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 5 MOISTURE CONTENT-NUMBER : 5
CLASS : GP/GP/GW RESULTS: 4-5-6
SIZE ANALYSIS - NO : 5 GRAVEL : 56-UN-70 SAND: 27-UN-40 FINES : 3-UN-6
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116G/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-631600 LOCATION : km 232.5 Dempster Highway
UTM NORTHING : 7282000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 232.5 OFFSET : 50-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 2 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5-4.5 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost with Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANICS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 1.5-2.1
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 2
CLASS : GW/GW/GW RESULTS: 6-UN-24
SIZE ANALYSIS - NO : 2 GRAVEL : 59-62 SAND: 33-36 FINES : 4-4
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd.
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1166/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-631700 LOCATION : km 234.2 Dempster Highway
UTM NORTHING : 7283800
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 234.2 OFFSET : 40-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 3 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5-4.5-4.5 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost with Some Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL and SAND OVERBURD-TYPE : ORGANICS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 1.2-UN-1.5
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 3
CLASS : GP-GM/GP/GP RESULTS: 5-UN-39
SIZE ANALYSIS - NO : 3 GRAVEL : 50-UN-57 SAND: 39-UN-42 FINES : 4-UN-8
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 02/06/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1166/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 7-633600 LOCATION : km 239.8 Dempster Highway
UTM NORTHING : 7288900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 239.8 OFFSET : L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 4 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 2.1-UN-3.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANICS over SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.0-UN-0.3
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 0
CLASS : GP/GP/GP RESULTS: NA
SIZE ANALYSIS - NO : 4 GRAVEL : 62-UN-84 SAND: 14-UN-36 FINES : 2-UN-3
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH - No:2 G:69-70 S:26-27 F:4-4

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 116H/12 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-362900 LOCATION : Mi. 244.8 Dempster Hwy
UTM NORTHING : 7291200
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 244.8 OFFSET : 50-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.5 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND OVERBURD-TYPE : ORGANCIS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : SM RESULTS: 4
SIZE ANALYSIS - NO : 1 GRAVEL : 23 SAND: 63 FINES : 14
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1977
NTS MAP REFERENCE : 116I/1 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-414500 LOCATION : km 342.4 Dempster Highway
UTM NORTHING : 7347500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 342.4 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Existing Pit Access to Left
ACCESS DISTANCE : 200 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 3390 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Crush Sources 1984
PERFORM RATING : Sharp Edges on Crush

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1977

GEOPHYSICAL DATA : NA

BOREHOLES - NUMBER : 19 TEST PITS NO : 0 EXPOSURES - NO. : 0
DEPTH : 6-UN-12 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknwon SLOPE: Unknown

AREA DRAINAGE : Unknown

SOURCE VEGETATION : 2 m Spruce and Willow

PERMAFROST FEATURES: Permafrost with Visible Ice

ACTIVE LAYER (m) : Unknown

DESCRIPT. DATA:

GENERIC ORIGIN : Unknown

LANDFORMS (S) : Unknown

GRANULAR TYPE : SAND

OVERBURD-TYPE : PEAT over ORGANIC SILT

GRANULAR THICKNESS : 2.6-3.6-6.7

O/B THICKNESS : 0.8-UN-2.4

UNDERBURDEN : BEDROCK-sandstone/shale

DEVELOP. CONSTRAINT: Unknown

DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 22 MOISTURE CONTENT-NUMBER : 0
CLASS : SM/SW-SM/SW RESULTS: NA

SIZE ANALYSIS - NO : 22 GRAVEL : 4-UN-35 SAND: 56-UN-88 FINES : 4-UN-14

OVERSIZE : Unknown D-50 : Unknown

PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0

RESULTS : 0

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

CLASS 1: NA

TOTAL RECOVERABLE : 0

CLASS 2: 300000/UN/760000

ANNUAL RECOVERABLE : 0

CLASS 3: NA

CLASS 4: NA

TOTAL VOLUME : 0

CLASS 5: NA

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)

LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : FWC, 1976
NTS MAP REFERENCE : 1161/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-440200 LOCATION : km 418.0 Dempster Highway
UTM NORTHING : 7399000
LOCAL NAME (S) :
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 418.0 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS :
ACCESS DISTANCE : 0 CONDITION :
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS :
PAST USE - SOURCE :
PERFORM RATING :

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration LAST INVEST DATE: 1976
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.6 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : SLOPE:
AREA DRAINAGE :
SOURCE VEGETATION :
PERMAFROST FEATURES: Permafrost with Visible Ice
ACTIVE LAYER (m) : DESCRIPT. DATA:
GENERIC ORIGIN : LANDFORMS (S) :
GRANULAR TYPE : SAND OVERBURD-TYPE : SILT - sandy, gravelly
GRANULAR THICKNESS : 2.5 O/B THICKNESS : 0.9
UNDERBURDEN : SHALE

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL :

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 3 MOISTURE CONTENT-NUMBER : 3
CLASS : SM/SM/SM RESULTS: 26-UN-67
SIZE ANALYSIS - NO : 3 GRAVEL : 0-UN-28 SAND: 37-UN-73 FINES : 25-UN-38
OVERSIZE : D-50 :
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY
TOTAL RECOVERABLE : CLASS 1:
ANNUAL RECOVERABLE : CLASS 2:
CLASS 3:
CLASS 4:
TOTAL VOLUME : CLASS 5:
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/10/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1976
NTS MAP REFERENCE : 1161/9 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-440500 LOCATION : km 423 Dempster Highway
UTM NORTHING : 7404000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 423.0 OFFSET : 700-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 23300 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1976
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 3 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.6-UN-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND OVERBURD-TYPE : PEAT
GRANULAR THICKNESS : 1.5-UN-4.4 O/B THICKNESS : 0.0-UN-0.1
UNDERBURDEN : SHALE

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 10 MOISTURE CONTENT-NUMBER : 10
CLASS : SM/SM/GW-GM RESULTS: 13-UN-118
SIZE ANALYSIS - NO : 11 GRAVEL : 17-UN-37 SAND: 35-UN-68 FINES : 8-UN-32
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1:
ANNUAL RECOVERABLE : 0 CLASS 2:
CLASS 3:
CLASS 4:
TOTAL VOLUME : 0 CLASS 5:
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1976
NTS MAP REFERENCE : 116I/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-441450 LOCATION : Rock River
UTM NORTHING : 7417100
LOCAL NAME (S) : Unkwon
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 436.0 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Adjacent to Highway
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 23300 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unkwon

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1976
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 12 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.6-UN-13.7 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost with Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : PEAT and CLAY
GRANULAR THICKNESS : 1.3-UN-8.3 O/B THICKNESS : 0.0-UN-3.0
UNDERBURDEN : SILTSTONE and SHALE

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 52 MOISTURE CONTENT-NUMBER : 52
CLASS : SM/SM/GW RESULTS: 4-UN-107
SIZE ANALYSIS - NO : 52 GRAVEL : 20-UN-77 SAND: 21-UN-61 FINES : 3-UN-37
OVERSIZE : Unknown D-50 : Unknown

PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/03/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1978
NTS MAP REFERENCE : 1161/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-440500 LOCATION : Cornwall Creek
UTM NORTHING : 7421900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 442.6 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: NA DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 6 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 2.1-UN-2.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : NA
GRANULAR THICKNESS : Unknown O/B THICKNESS : NA
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 0
CLASS : GP RESULTS: NA
SIZE ANALYSIS - NO : 2 GRAVEL : 85-89 SAND: 10-13 FINES : 1-1
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : TRIAL CRUSH No:2 G:71-75 S:22-26 F:3-3

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/02/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1976
NTS MAP REFERENCE : 116I/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-443900 LOCATION : South Cornwall River
UTM NORTHING : 7424900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 447.0 OFFSET : 0.0
CROSS REFERENCES : NA

SOURCE ACCESS : Source Adjacent to Highway
ACCESS DISTANCE : 0 CONDITION : Excellent
AREA (ha) : 0 SITE SCALE: 23300 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1976
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 4 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.6-UN-13.7 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : CLAY or PEAT AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.5-UN-1.0
UNDERBURDEN : SHALE

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 28 MOISTURE CONTENT-NUMBER : 28
CLASS : SM/GW-GM/GW-GM RESULTS: 5-UN-51
SIZE ANALYSIS - NO : 28 GRAVEL : 26-UN-69 SAND: 16-UN-66 FINES : 5-UN-41
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/03/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====

PART A: :LOCATION AND STATUS

=====

SOURCE NUMBER : STUDY NO. : Unknown REFERENCE : PWC, 1976
NTS MAP REFERENCE : 1161/16 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-445100 LOCATION : North Cornwall River
UTM NORTHING : 7425000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 05-Dempster Highway
KILOMETRE POST : 449.0 OFFSET : L-R
CROSS REFERENCES : NA

SOURCE ACCESS : Adjacent to Highway
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 23300 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====

PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION

=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1976
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 5 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.7-UN-13 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Permafrost, Some Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : PEAT and/or SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0-UN-1.8
UNDERBURDEN : SHALE

DEVELOP. CONSTRAINT: Permafrost
DEVELOP. POTENTIAL : Unknown

=====

PART C: :TEST RESULTS AND MATERIAL QUANTITY

=====

USC - NUMBER : 23 MOISTURE CONTENT-NUMBER : 23
CLASS : SMorSC/SM/GW RESULTS: 6-UN-35
SIZE ANALYSIS - NO : 23 GRAVEL : 9-UN-69 SAND: 24-UN-78 FINES : 2-UN-42
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 06/03/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 6 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/3 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-481600 LOCATION : Midway Lake
UTM NORTHING : 7456500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 512.8 OFFSET : 560-R
CROSS REFERENCES : PWC, 1978 (085928)

SOURCE ACCESS : Constructed Haul Road
ACCESS DISTANCE : 800 CONDITION : Excellent
AREA (ha) : 0 SITE SCALE: 2000 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Developed
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Production Drilling LAST INVEST DATE: 1978
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 26 TEST PITS NO : 2 EXPOSURES - NO.: 0
DEPTH : 1.2-6.6-18.3 DEPTH: 3.7-6.7 DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice, Vs, Vr, Vx
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Terrace
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : PEAT, ORGANIC SILT, CLAY
GRANULAR THICKNESS : 1.2-UN-UN O/B THICKNESS : 0-1.5-4.0
UNDERBURDEN : CLAY
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 81 MOISTURE CONTENT-NUMBER : 84
CLASS : SC/SC-SM/GW RESULTS: 5-UN-31
SIZE ANALYSIS - NO : 84 GRAVEL : 0-UN-76 SAND: 22-UN-79 FINES : 2-UN-42
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 855000 CLASS 3: 855000/UN/UN
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/26/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : OTT-72-141 REFERENCE : RKL, 1973
NTS MAP REFERENCE : 106M/7 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-530250 LOCATION : 19 mi. E Fort McPherson
UTM NORTHING : 7476000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 562.0 OFFSET : 0
CROSS REFERENCES : NA

SOURCE ACCESS : Next to Dempster Highway
ACCESS DISTANCE : 0 CONDITION : NA
AREA (ha) : 10 SITE SCALE: 36000 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Recon. / Exporatory Drill. LAST INVEST DATE: 1973
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO. : 0
DEPTH : 6.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Rolling SLOPE: Unknown
AREA DRAINAGE : Good
SOURCE VEGETATION : Black Spruce
PERMAFROST FEATURES: Isolated Ice Lenses
ACTIVE LAYER (m) : 2 DESCRIPT. DATA:
GENERIC ORIGIN : Glaciofluvial LANDFORMS (S) : Esker
GRANULAR TYPE : SAND-some gravel, trace silt OVERBURD-TYPE : SILT AND TOPSOIL
GRANULAR THICKNESS : 5.9 O/B THICKNESS : 0.4
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: NA
DEVELOP. POTENTIAL : Good

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 6
CLASS : SW RESULTS: 6-9-12
SIZE ANALYSIS - NO : 2 GRAVEL : 6-15-24 SAND: 67-76-85 FINES : 7-8-9
OVERSIZE : Unknown D-50 : 600-1200-1800
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: 46300/76400/152800
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 152800 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (MSB)
LAST UPDATE : 04/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : OTT-72-141 REFERENCE : RKL, 1973
NTS MAP REFERENCE : 106M/7 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-533500 LOCATION : 13 mi (AIR) W-Arctic Red Rv
UTM NORTHING : 7475000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 565.0 OFFSET : 800
CROSS REFERENCES : NA

SOURCE ACCESS : Good
ACCESS DISTANCE : 800 CONDITION : Undeveloped
AREA (ha) : 100 SITE SCALE: 36000 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1973
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 1 EXPOSURES - NO.: 1
DEPTH : 4.3 DEPTH: 0.6 DEPTH: 1

SOURCE TOPOGRAPHY : Rolling SLOPE: Unknown
AREA DRAINAGE : Good
SOURCE VEGETATION : Black Spruce
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Glacial LANDFORMS (S) : Kames
GRANULAR TYPE : GRAVEL AND SAND OVERBURD-TYPE : TOPSOIL AND SILT
GRANULAR THICKNESS : 1.2 O/B THICKNESS : 0-0.3-0.6
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Ice Rich Underburden
DEVELOP. POTENTIAL : Low

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 2
CLASS : GM/GW/GW RESULTS: 2-3-5
SIZE ANALYSIS - NO : 2 GRAVEL : 49-57-65 SAND: 31-35-38 FINES : 6-10-13
OVERSIZE : Unknown D-50 : 3000-6000-10000
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 2
RESULTS : See Logs
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: 9400/76400/152800
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 152800 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (MSB)
LAST UPDATE : 04/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 02323 REFERENCE : Unknown
NTS MAP REFERENCE : 106M/7 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-517200 LOCATION : East of Ft. McPherson
UTM NORTHING : 7482500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 568.0 OFFSET : R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: UN DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 2 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 6.1-6.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL-sandy OVERBURD-TYPE : ORGANICS over SILT
GRANULAR THICKNESS : 3.4-4.0 O/B THICKNESS : 1.2-1.5
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 0
CLASS : NA RESULTS: NA
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 0 CLASS 3: Unknown
CLASS 4: Unknown
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/19/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/7 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-519900 LOCATION : 17.7 km E of Ft.McPherson
UTM NORTHING : 7482000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 571.3 OFFSET : NA
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 27 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.2-UN-7.9 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : 0.7-2.8-4.9 O/B THICKNESS : 0.3-0.8-1.2
UNDERBURDEN : SILT AND CLAY

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 51 MOISTURE CONTENT-NUMBER : 51
CLASS : SMorSC/SMorSC/GM RESULTS: 6-UN-24
SIZE ANALYSIS - NO : 51 GRAVEL : 1-UN-52 SAND: 31-UN-58 FINES : 12-UN-46
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 580000/UN/UN
CLASS 4: Unknown
TOTAL VOLUME : 580000 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/26/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-529550 LOCATION : 29.5 km E-Ft. McPherson
UTM NORTHING : 7477400
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 583.1 OFFSET : 600-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration/Delineation LAST INVEST DATE: 1971
GEOPHYSICAL DATA : Unknown
BOREHOLES - NUMBER : 3 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 6.1-7.1-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND or GRAVEL OVERBURD-TYPE : OGRANIC
GRANULAR THICKNESS : 4.4-6.1-8.8 O/B THICKNESS : 0.2-0.2-0.3
UNDERBURDEN : ICE

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 0
CLASS : NA RESULTS: NA
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: 69000/UN/UN
TOTAL VOLUME : 145000 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: 76000/UN/UN
LAST UPDATE : 05/25/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-530000 LOCATION : 30 km E-Ft. McPherson
UTM NORTHING : 7476350
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 583.8 OFFSET : 120-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 0.9 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.3
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : SM RESULTS: 9
SIZE ANALYSIS - NO : 1 GRAVEL : 30 SAND: 54 FINES : 16
OVERSIZE : Unknown 0-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 4700/UN/UN
CLASS 4: Unknown
TOTAL VOLUME : 4700 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/25/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-532100 LOCATION : E-Ft. McPherson
UTM NORTHING : 7475900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 585.8 OFFSET : 380-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 8 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-5.8-11.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Lenses
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND/SAND AND GRAVEL OVERBURD-TYPE : SILT
GRANULAR THICKNESS : 2.1-3.8-11.0 O/B THICKNESS : 0-0.4-1.2
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 18 MOISTURE CONTENT-NUMBER : 18
CLASS : SMorSC/SMorSC/GP-GM RESULTS: 7-10-17
SIZE ANALYSIS - NO : 18 GRAVEL : 2-UN-48 SAND: 44-UN-72 FINES : 9-UN-27
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 238000/UN/UN
CLASS 4: Unknown
TOTAL VOLUME : 238000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/26/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-532750 LOCATION : E-Ft. McPherson
UTM NORTHING : 7475000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 586.8 OFFSET : 200-R
CROSS REFERENCES : NA

SOURCE ACCESS : Along Outline from Highway
ACCESS DISTANCE : 200 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : Unknown
BOREHOLES - NUMBER : 9 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-UN-8.5 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly, clayey OVERBURD-TYPE : OGRANCS
GRANULAR THICKNESS : 0.9-4.5-8.5 O/B THICKNESS : 0-0.4-0.6
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 15 MOISTURE CONTENT-NUMBER : 15
CLASS : SC/SC/SC-SM RESULTS: 7-UN-19
SIZE ANALYSIS - NO : 15 GRAVEL : 3-UN-31 SAND: 36-UN-75 FINES : 14-UN-35
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
TOTAL VOLUME : 250000 CLASS 4: 250000/UN/UN
CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/26/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-534000 LOCATION : 34.2 km E-Ft. McPherson
UTM NORTHING : 7476000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 587.8 OFFSET : 1100-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration/Delineation LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 4 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 4.3-7.5-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Evident
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL/SAND OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : 4.3-8.3-8.5 O/B THICKNESS : 0.0-0.4-0.6
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 0
CLASS : NA RESULTS: NA
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 681000/UN/UN
CLASS 4: Unknown
TOTAL VOLUME : 681000 CLASS 5: Unknown

RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/26/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : OTT-72-141 REFERENCE : RKL, 1973
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-539700 LOCATION : 13 mi.W-Arctic Red River
UTM NORTHING : 7471900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 588.0 OFFSET : 2000-R
CROSS REFERENCES : NA

SOURCE ACCESS : Seismic Outline
ACCESS DISTANCE : 2000 CONDITION : Winter Road
AREA (ha) : 100 SITE SCALE: 36000 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Recon./Exploratory Drill LAST INVEST DATE: 1973
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 5 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 2.4-7.0-12.2 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Gently Rolling SLOPE: Unknown
AREA DRAINAGE : Poor
SOURCE VEGETATION : Black Spruce, Some Low Alders
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Glaciofluvial LANDFORMS (S) : Out Wash Plain
GRANULAR TYPE : GRAVEL and/or SAND OVERBURD-TYPE : PEAT
GRANULAR THICKNESS : 2.3-6.1-10.4 O/B THICKNESS : 0-0.6-1.8
UNDERBURDEN : SILT
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Good

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 6 MOISTURE CONTENT-NUMBER : 24
CLASS : SM/SW-GW/GW RESULTS: 3-10-25
SIZE ANALYSIS - NO : 11 GRAVEL : 19-36-60 SAND: 30-50-70 FINES : 4-14-42
OVERSIZE : Unknown D-50 : 150-2900-6500
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 2
RESULTS : See Logs
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: 228009/955000/1910000
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 1910000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (MSB)
LAST UPDATE : 04/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106M/8 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-534750 LOCATION : 35.6 km E-Ft. McPherson
UTM NORTHING : 7474400
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 589.2 OFFSET : 300-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 13 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.1-4.0-6.1 DEPTH: NA DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Evident
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND AND GRAVEL OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : 0.9-3.2-5.7 O/B THICKNESS : 0.2-0.7-1.5
UNDERBURDEN : SILT
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 30 MOISTURE CONTENT-NUMBER : 30
CLASS : SMorSC/SMorSC/GP-GM RESULTS: 5-10-19
SIZE ANALYSIS - NO : 30 GRAVEL : 4-33-55 SAND: 32-48-74 FINES : 5-19-44
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 331000 CLASS 3: 33100/UN/UN
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/26/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/5 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-545100 LOCATION : 10 km W-Arctic Red River
UTM NORTHING : 7478450
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 601.0 OFFSET : 150-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 5 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-4.9-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : 1.2-2.7-5.9 O/B THICKNESS : 0.0-0.2-0.6
UNDERBURDEN : ICE

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 7
CLASS : NA RESULTS: 9-14-22
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 106000 CLASS 3: 42000/UN/UN
CLASS 4: 64000/UN/UN
RECORD UPDATED BY : EBA Engineering Consultnats Ltd. (SMK) CLASS 5: Unknown
LAST UPDATE : 05/25/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A2 5 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/5 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-552600 LOCATION : Arctic Red River
UTM NORTHING : 7480600
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 610.0 OFFSET : 100-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 7 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 2.4-6.0-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Encountered
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL OVERBURD-TYPE : ORGANIC-CLAY
GRANULAR THICKNESS : 0.8-1.7-3.1 O/B THICKNESS : 0.2-0.6-1.5
UNDERBURDEN : SHALE

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 6
CLASS : NA RESULTS: 7-11-15
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY
TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 0 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/25/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 31 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/5 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-552900 LOCATION : North of Arctic Red River
UTM NORTHING : 7485350
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 614.0 OFFSET : 335-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 335 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1972
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 6.1 DEPTH: NA DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visual Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND over GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : 2.1 O/B THICKNESS : 0.3
UNDERBURDEN : SHALE
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 2
CLASS : NA RESULTS: 6-9
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 10900/UN/UN
CLASS 4: Unknown
TOTAL VOLUME : 10900 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd.
LAST UPDATE : 05/20/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 31 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/14 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-563500 LOCATION : North of Arctic Red River
UTM NORTHING : 7538500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 672.6 OFFSET : 420-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 420 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 9 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-UN-7.9 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND and/or GRAVEL OVERBURD-TYPE : MOSS
GRANULAR THICKNESS : 2.4-3.4-4.3 O/B THICKNESS : 0-UN-0.2
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 4
CLASS : NA RESULTS: 7-11-14
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 242600 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: 242600/UN/UN
LAST UPDATE : 05/20/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 31 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/14 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-564400 LOCATION : 64 km N-Arctic Red River
UTM NORTHING : 7539400
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 674.2 OFFSET : NA
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 14 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 6.1-5.3-3.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Bonding and Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Glaciofluvial LANDFORMS (S) : Esker
GRANULAR TYPE : SAND-gravelly OVERBURD-TYPE : NA
GRANULAR THICKNESS : 1.8-2.4-5.5 O/B THICKNESS : NA
UNDERBURDEN : SILT-sandy
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 16
CLASS : NA RESULTS: 7-20-32
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
TOTAL VOLUME : 168000 CLASS 4: 168000/UN/UN
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 31 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/14 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-564500 LOCATION : 64.4 km N-Arctic Red Rv.
UTM NORTHING : 7539500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 675.0 OFFSET : 340-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 340 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 6 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-4.6-6.1 DEPTH: NA DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND to GRAVEL OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : 1.5-2.4-4.2 O/B THICKNESS : 0-UN-1.5
UNDERBURDEN : SILT-sandy
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 3
CLASS : NA RESULTS: 7-19-23
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA D-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 56000 CLASS 3: 56000/UN/UN
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: Unknown
LAST UPDATE : 05/24/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 106N/14 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-564700 LOCATION : 65.6 km N-Arctic Red Rv.
UTM NORTHING : 7540900
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 676.0 OFFSET : NA
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 8 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-3.0-3.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL-sandy OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : 1.4-2.1-2.9 O/B THICKNESS : 0.2-0.2-0.3
UNDERBURDEN : SILT-sandy
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 0 MOISTURE CONTENT-NUMBER : 7
CLASS : NA RESULTS: 5-10-21
SIZE ANALYSIS - NO : 0 GRAVEL : NA SAND: NA FINES : NA
OVERSIZE : NA 0-50 : NA
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 81000 CLASS 3: 34000/UN/UN
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: 47000/UN/UN
LAST UPDATE : 05/24/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 1078/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-564400 LOCATION : 68.4 km N-Arctic Red Rv.
UTM NORTHING : 7544750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 679.0 OFFSET : 450-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 450 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND over GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : 2.4 O/B THICKNESS : 0.2
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 2
CLASS : CL/SC RESULTS: 9-15
SIZE ANALYSIS - NO : 2 GRAVEL : 4-12 SAND: 28-50 FINES : 38-68
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: 18800/UN/UN
TOTAL VOLUME : 18800 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2W DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-562650 LOCATION : 72.1 km N-Arctic Red Rv.
UTM NORTHING : 7548350
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 682.7 OFFSET : 700-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration/Delineation LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 8 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-4.6-6.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-some gravel OVERBURD-TYPE : ORGANICS-SILT
GRANULAR THICKNESS : 1.1-2.8-5.1 O/B THICKNESS : 0.2-0.2-0.2
UNDERBURDEN : SILT

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 6
CLASS : SM/SM-SC/SM-SC RESULTS: 9-13-17
SIZE ANALYSIS - NO : 2 GRAVEL : 7-11-15 SAND: 53-56-58 FINES : 27-34-40
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: unknown
CLASS 3: Unknown
CLASS 4: 108000/UN/UN
TOTAL VOLUME : 108000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

PART A: :LOCATION AND STATUS

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-563250 LOCATION : 76.3 km N-Arctic Rd Rv.
UTM NORTHING : 7552350
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 686.9 OFFSET : 200-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 2 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 2.7-6.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND TO GRAVEL OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : 1.4-1.4 O/B THICKNESS : 0.2-0.3-0.5
UNDERBURDEN : SILT AND SAND
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

PART C: :TEST RESULTS AND MATERIAL QUANTITY

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : GP-GM/GP-GM/GP-GM RESULTS: 10.4
SIZE ANALYSIS - NO : 1 GRAVEL : 37 SAND: 34 FINES : 29
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: 22000/UN/UN
TOTAL VOLUME : 22000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-563800 LOCATION : 82.8 km N-Arctic Red Rv.
UTM NORTHING : 7557000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 693.4 OFFSET : 250-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration/Delineation LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 39 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-UN-9.1 DEPTH: NA DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visual Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND and SAND AND GRAVEL OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : 2.3-4.2-6.6 O/B THICKNESS : 0.2-0.3-0.8
UNDERBURDEN : SILT-sandy
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 12
CLASS : SC/SC/SC RESULTS: 7-12-24
SIZE ANALYSIS - NO : 4 GRAVEL : 4-16-40 SAND: 39-55-69 FINES : 32-39-50
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 200000 CLASS 3: 83000/UN/UN
CLASS 4: 117000/UN/UN
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-565200 LOCATION : 93.7 km N-Arctic Red Rv.
UTM NORTHING : 7566250
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 704.3 OFFSET : 350-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delienation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 13 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-4.0-6.3 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Visible Ice
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-some silt and gravel OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.2-0.2-0.2
UNDERBURDEN : SILT
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 19 MOISTURE CONTENT-NUMBER : 22
CLASS : SC/SMorSC/GP-GM RESULTS: 5-UN-26
SIZE ANALYSIS - NO : 19 GRAVEL : 2-18-48 SAND: 49-62-76 FINES : 8-19-38
OVERSIZE : Unknown 0-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: 87000/UN/UN
TOTAL VOLUME : 87000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (AMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-565650 LOCATION : 94.1 km N-Arctic Red Rv.
UTM NORTHING : 7566500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 704.7 OFFSET : 50-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration/Delineation LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 3 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 6.3-8.1-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-trace of gravel OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.2-0.2-0.2
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 10 MOISTURE CONTENT-NUMBER : 10
CLASS : SMorSC/SMorSC/SW-SM RESULTS: 10-19-28
SIZE ANALYSIS - NO : 10 GRAVEL : 2-11-37 SAND: 50-61-85 FINES : 9-15-20
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 17000/UN/UN
CLASS 4: 170000/UN/UN
TOTAL VOLUME : 187000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 3G REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107E/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-566700 LOCATION : 29.7 km South of Inuvik
UTM NORTHING : 7567200
LOCAL NAME (S) : Unknwon
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 705.9 OFFSET : 150-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknwon
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-silty, some gravel OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : 1.9 O/B THICKNESS : 0.2
UNDERBURDEN : SILT
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : SC RESULTS: 34
SIZE ANALYSIS - NO : 1 GRAVEL : 16 SAND: 41 FINES : 43
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: 14900/UN/UN
TOTAL VOLUME : 14900 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-569100 LOCATION : 28.1 km South of Inuvik
UTM NORTHING : 7568750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 707.5 OFFSET : 100-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 3 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-5.1-6.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND and SAND AND GRAVEL OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : 2.9-3.6-4.5 O/B THICKNESS : 0.2-0.2-0.2
UNDERBURDEN : SILT AND SAND
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 4
CLASS : SCorSM/SCorSM/GW-GM RESULTS: 7-9-15
SIZE ANALYSIS - NO : 4 GRAVEL : 11-29-53 SAND: 40-50-65 FINES : 7-21-35
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: 15000/UN/UN
CLASS 3: Unknown
TOTAL VOLUME : 85000 CLASS 4: 70000/UN/UN
CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/24/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-569600 LOCATION : 27.5 km South of Inuvik
UTM NORTHING : 7569250
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 708.1 OFFSET : 125-L
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 15 TEST PITS NO : 0 EXPOSURES - NO. : 0
DEPTH : 2.4-UN-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Ice Veins
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND/GRAVEL AND SAND OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : 1.6-3.8-8.9 O/B THICKNESS : 0.2-UN-0.6
UNDERBURDEN : ICE AND SILT
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 23 MOISTURE CONTENT-NUMBER : 23
CLASS : SCorSM/SCorSM/GP-GM RESULTS: 7-UN-22
SIZE ANALYSIS - NO : 23 GRAVEL : 2-UN-62 SAND: 32-UN-74 FINES : 6-UN-41
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 448000 CLASS 3: 448000/UN/UN
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: Unknown
LAST UPDATE : 05/26/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-570300 LOCATION : 27.4 km South of Inuvik
UTM NORTHING : 7569600
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 708.2 OFFSET : 400-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1972
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.8 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND OVERBURD-TYPE : ORGANIC
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.2
UNDERBURDEN : Unknown

DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : SC RESULTS: 10
SIZE ANALYSIS - NO : 1 GRAVEL : 18 SAND: 51 FINES : 31
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 12600 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 4: 12600/UN/UN
LAST UPDATE : 05/19/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-570450 LOCATION : 26.7 km South of Inuvik
UTM NORTHING : 7570000
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 708.9 OFFSET : 250-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 8 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.5-3.2-6.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : 2.5-3.3-5.3 O/B THICKNESS : 0-0.3-0.6
UNDERBURDEN : CLAY AND SAND
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 6 MOISTURE CONTENT-NUMBER : 11
CLASS : SC/SC/SW-SM RESULTS: 7-12-16
SIZE ANALYSIS - NO : 6 GRAVEL : 13-23-34 SAND: 44-49-58 FINES : 12-26-38
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: 57000/UN/UN
CLASS 4: 97000/UN/UN
TOTAL VOLUME : 154000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/25/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-571750 LOCATION : 25.3 km South of Inuvik
UTM NORTHING : 7570700
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 710.3 OFFSET : 550-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:
LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Delineation Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 6 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-6.1-9.1 DEPTH: NA DEPTH: NA
SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly becoming silty OVERBURD-TYPE : ORGANICS AND SILT
GRANULAR THICKNESS : Unknown G/B THICKNESS : 0.2-0.3-0.6
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 13
CLASS : SCorSM/SCorSM/SCorSM RESULTS: 7-17-25
SIZE ANALYSIS - NO : 4 GRAVEL : 1-14-23 SAND: 55-65-77 FINES : 18-21-23
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 261000 CLASS 3: 89000/UN/UN
CLASS 4: 172000/UN/UN
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK) CLASS 5: Unknown
LAST UPDATE : 05/25/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : OTT-72-141 REFERENCE : RKL, 1973
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-571000 LOCATION : Campbell Lake
UTM NORTHING : 7570300
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 711.0 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 40 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1973
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 0 TEST PITS NO : 1 EXPOSURES - NO.: 0
DEPTH : NA DEPTH: 1.2 DEPTH: NA

SOURCE TOPOGRAPHY : Hummocky SLOPE: Unknown
AREA DRAINAGE : Well Drained - NW
SOURCE VEGETATION : Transitional Between Black Spruce and Spagnum Bogs
PERMAFROST FEATURES: Testpit Unfrozen
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Glacial LANDFORMS (S) : Kames
GRANULAR TYPE : SAND-trace to some gravel OVERBURD-TYPE : TOPSOIL AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.3-0.4-0.6
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Excellent

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 2
CLASS : SP/SW/SW RESULTS: 3-5-6
SIZE ANALYSIS - NO : 2 GRAVEL : 3-14-26 SAND: 72-83-94 FINES : 2-3-3
OVERSIZE : Unknown D-50 : 500-1200-2000
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: 900/3825/7650
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 7650 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (MSB)
LAST UPDATE : 05/01/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/2E DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-572450 LOCATION : 24.3 km South of Inuvik
UTM NORTHING : 7571500
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 711.3 OFFSET : 1100-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 2 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-9.1 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-silty, some gravel OVERBURD-TYPE : ORGANIC AND SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.2-0.5
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 4 MOISTURE CONTENT-NUMBER : 4
CLASS : SCorSM/SCorSM/SCorSM RESULTS: 10-15-26
SIZE ANALYSIS - NO : 4 GRAVEL : 3-14-25 SAND: 56-62-63 FINES : 19-24-35
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
TOTAL VOLUME : 42000 CLASS 3: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. CLASS 4: 42000/UN/UN
LAST UPDATE : 05/25/88 CLASS 5: Unknown

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 1078/7 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-571950 LOCATION : 23.1 km South of Inuvik
UTM NORTHING : 7572950
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 712.5 OFFSET : UN
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 2 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 3.0-3.0 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Fluvial LANDFORMS (S) : Unknown
GRANULAR TYPE : SAND-gravelly, silty OVERBURD-TYPE : ORGANICS, SILT
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.5-0.8
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 2 MOISTURE CONTENT-NUMBER : 2
CLASS : SMorSC/SMorSC/SMorSC RESULTS: 11-15
SIZE ANALYSIS - ND : 2 GRAVEL : 13-27 SAND: 44-62 FINES : 15-43
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA
OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: Unknown
CLASS 3: Unknown
CLASS 4: 38000/UN/UN
TOTAL VOLUME : 38000 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/25/88

EBA PROJECT NUMBER : 0201-4800

NORTHERN GRANULAR RESOURCE DEPOSIT DATABASE
SOURCE DATA SHEET - DEMPSTER HIGHWAY, Y.T./N.W.T.

=====
PART A: :LOCATION AND STATUS
=====

SOURCE NUMBER : STUDY NO. : 01 17:00 A3 30 REFERENCE : PWC, 1972
NTS MAP REFERENCE : 107B/7 DIGITIZ NO: MAP SCALE : 50000
UTM ZONE/EASTING : 8-572700 LOCATION : 20.4 km South of Inuvik
UTM NORTHING : 7576750
LOCAL NAME (S) : Unknown
CORRIDOR NO./NAME : 08-Dempster Highway
KILOMETRE POST : 715.4 OFFSET : 1000-R
CROSS REFERENCES : NA

SOURCE ACCESS : Unknown
ACCESS DISTANCE : 0 CONDITION : Unknown
AREA (ha) : 0 SITE SCALE: 12200 DIGITIZ NO:

LAND TENURE : Territorial STATUS : Unknown
PAST USE - SOURCE : Unknown
PERFORM RATING : Unknown

=====
PART B: :SOURCE INVESTIGATION AND DESCRIPTIVE INFORMATION
=====

INVESTIGATION LEVEL: Exploration Drilling LAST INVEST DATE: 1971
GEOPHYSICAL DATA : NA
BOREHOLES - NUMBER : 1 TEST PITS NO : 0 EXPOSURES - NO.: 0
DEPTH : 1.4 DEPTH: NA DEPTH: NA

SOURCE TOPOGRAPHY : Unknown SLOPE: Unknown
AREA DRAINAGE : Unknown
SOURCE VEGETATION : Unknown
PERMAFROST FEATURES: Unknown
ACTIVE LAYER (m) : Unknown DESCRIPT. DATA:
GENERIC ORIGIN : Unknown LANDFORMS (S) : Unknown
GRANULAR TYPE : GRAVEL-sandy OVERBURD-TYPE : ORGANICS
GRANULAR THICKNESS : Unknown O/B THICKNESS : 0.2
UNDERBURDEN : Unknown
DEVELOP. CONSTRAINT: Unknown
DEVELOP. POTENTIAL : Unknown

=====
PART C: :TEST RESULTS AND MATERIAL QUANTITY
=====

USC - NUMBER : 1 MOISTURE CONTENT-NUMBER : 1
CLASS : GW-GM RESULTS: 6
SIZE ANALYSIS - NO : 1 GRAVEL : 60 SAND: 32 FINES : 8
OVERSIZE : Unknown D-50 : Unknown
PETROGRAPHIC NUMBER - NUMBER OF TESTS : 0
RESULTS : NA

OTHER TESTS (see the DATA DICTIONARY) : NA

MATERIAL QUANTITY

TOTAL RECOVERABLE : 0 CLASS 1: Unknown
ANNUAL RECOVERABLE : 0 CLASS 2: 9400/UN/UN
CLASS 3: Unknown
CLASS 4: Unknown
TOTAL VOLUME : 9400 CLASS 5: Unknown
RECORD UPDATED BY : EBA Engineering Consultants Ltd. (SMK)
LAST UPDATE : 05/19/88

EBA PROJECT NUMBER : 0201-4800