

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
GRANULAR RESOURCES DATABASES
NORTHWEST TERRITORIES, CANADA

0101-10902

1992 MAY

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Prepared for:

SUPPLY AND SERVICES CANADA

and

INDIAN AND NORTHERN AFFAIRS CANADA

Prepared by:

EBA Engineering Consultants Ltd.

0101-10902

**DSS Contract No: A7134-1-0055/01-ST
DSS File No: 038 ST. A7134-1-0055**

1992 MAY

SUMMARY

This report summarizes efforts to expand a report catalogue database which catalogues reports, fieldwork, maps, and other information for the entire Mackenzie Valley. Preliminary work was done to link it to the granular source databases produced in 1988. The present assignment was carried out under a contract with Supply and Services Canada on behalf of Indian and Northern Affairs Canada.

The Geological Survey of Canada, Indian and Northern Affairs Canada, the Department of Public Works of Canada (Western Region), the Departments of Public Works and Transportation of the Northwest Territories, ESSO Resources Canada Ltd., and the Arctic Institute of North America provided valuable data for the report catalogue compilation. The report catalogue now includes 131 entries. Many other reports have been identified but not acquired for cataloguing and some unidentified reports and data likely exist.

For the present work, in addition to the detailed report catalogue, a general bibliographic database, containing 188 entries, has been compiled which includes all items catalogued by EBA, but deletes some of the detailed information which is not applicable to a bibliography. Items comprising maps, geotechnical overviews or reviews of existing data with no direct reference to specific borehole data have been removed from the detailed report catalogue, but are included in the bibliographic database.

Preliminary linking of the report catalogue and bibliographic databases has been done by use of the original granular source numbers and by the assigned study numbers: more work is required in this regard. Future work could include linking the databases to the existing ESEBase borehole database compiled by EBA in 1991 from a GSC borehole database for the Mackenzie Valley. The reports and studies researched contain many borehole and test pit logs. It is estimated that as many as 4600 logs may exist which have not yet been included in the ESEBase database.

The project tasks, deliverables, participants, and report organization are described herein. Diskette copies of the database have been provided under separate cover.

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1.0 INTRODUCTION

In 1988, EBA Engineering Consultants Ltd. (EBA) compiled a database of 762 granular source deposits in the Upper (Southern) Mackenzie Valley. These deposits were researched using data obtained from existing reports, maps and fieldwork completed in the Mackenzie Valley between 1972 and 1987. Maps and granular source descriptions were compiled by Hardy BBT Ltd., now called HBT AGRA Ltd. (HBT), in 1986, and Mr. L. Bennett compiled a granular source database for the Lower (Northern) Mackenzie Valley in 1988. In 1991, EBA began compilation of a report catalogue database to catalogue reports, fieldwork, maps, and other information for the entire Mackenzie Valley. As part of a separate project, EBA also compiled an existing Geological Survey of Canada borehole database for the Mackenzie Valley into ESEBase Version 3.0 format. This report summarizes efforts to expand the report catalogue database and link it to the granular source databases produced in 1988. The present assignment was carried out under a contract with Supply and Services Canada (DSS) on behalf of Indian and Northern Affairs Canada (INAC).

A similar report catalogue and ESEBase borehole database have been compiled (1988, 1989, and 1991) for the Canadian Beaufort Sea. The present assignment for INAC included further work on these databases. Work completed in 1992 as a part of the present project is discussed under separate cover.

To date, the report catalogue and granular source databases have been compiled in dBase III+, and the borehole log databases compiled in ESEBase Version 3.0 (a dBase program). As part of the present project to modify existing northern granular resource databases, EBA consulted with Earth and Oceans Research in developing new data handling routines to facilitate linking of ESEBase software with the existing mapping program INFOCUS using FOXPRO routines. This work is documented under separate cover.

The project was conducted under DSS Contract No. A7134-1-0055/01-ST dated 1992 February 28, amended 1992 March 12, and authorized by Mr. P. Dixon, Science Contracting Officer. The terms of reference are documented in EBA's letters of

1991 December 18 and 1992 March 2 and in the Statement of Work appended to DSS's Contract Documents. Based on further discussions throughout the course of the project with INAC's technical authority for the project, Mr. R.J. Gowan, P.Geol., Geotechnical Advisor, the workscope and deliverables were refined to satisfy INAC's present requirements.

2.0 PROJECT OUTLINE

2.1 Objectives

The primary objective of the study was to continue compilation of a report catalogue to identify granular resource related information including reports, maps, and other data. The report catalogue is used in conjunction with existing source and borehole databases to evaluate granular resources for construction materials.

Some of the major tasks that were required to complete the report catalogue and bibliographic databases for the Mackenzie Valley included:

- a) Confirm the availability of and acquire copies of reports, maps, and papers from various government departments, major petroleum and/or pipeline companies, and geotechnical engineering consultants.
- b) Compile information to be input to report catalogue database.
- c) Create a bibliographic database which includes all items catalogued, and remove items such as maps, papers and reports not including specific borehole or test pit information from the report catalogue database.
- d) Create computer routines for database modifications, run routines to link report catalogue and bibliographic databases with existing source databases by source numbers and study numbers.

- e) Review and edit the final report catalogue and bibliographic entries as required.
- f) Prepare floppy disk and paper copies of the report catalogue and bibliographic entries.
- g) Prepare this final report.

2.2 Methodology

A listing of geotechnical reports developed for the 1992 contract was compiled from various previous database projects, as well as listings acquired from the Geological Survey of Canada (GSC) and the Arctic Institute of North America (AINA). Where information was determined to be proprietary, permission was obtained from the holders of the information to use their data.

The GSC, INAC, the Department of Public Works of Canada (Western Region), the Departments of Public Works and Transportation of the Northwest Territories, ESSO Resources Canada Ltd., and the Arctic Institute of North America provided valuable data for the report catalogue compilation.

In addition, a general bibliographic database has been compiled which includes all items identified to date by EBA. Items comprising maps, geotechnical overviews or reviews of existing data with no direct reference to specific borehole data have been removed from the detailed report catalogue, but are included in the bibliographic database. Items relevant to the Mackenzie Valley, but not directly related to granular resources are not included in the bibliographic database.

The report catalogue and bibliographic databases now include 140 entries, and 184 entries, respectively. Some reports were not acquired for cataloguing and more unidentified reports and data likely exist.

Two new fields were added to the databases: one field to define the report or information source as proprietary or public, and if it was proprietary to identify the contact organization/person; the second field to identify the item as best suited to a report catalogue or bibliographic record.

EBA has begun linking of the report catalogue and bibliographic databases to the existing granular resource databases by use of the original granular source numbers (as described in the original reports) where applicable, and by the assigned study numbers. The Lower (Northern) Mackenzie granular source database is now fully linked by primary study number, the Upper (Southern) Mackenzie granular source database is not yet directly linked by study number due to the much larger number of references per source. Because this was of lesser priority to INAC, these databases have not yet been linked to an existing ESEBase borehole database compiled by EBA in 1991 from a GSC borehole database for the Mackenzie Valley.

The reports and studies researched contain many borehole and test pit logs. It is estimated that some 4600 or more logs may exist which have not yet been included in the ESEBase database. It is unknown which of these may already exist in other databases. Subsequent phases of the database project could include completing the ESEBase database and adding/editing the study and source numbers as a cross-reference on each log, as applicable.

2.3 Deliverables

Final deliverables required under this contract are listed below:

- a) Report catalogue and bibliographic databases for the Mackenzie Valley in two copies on floppy disks.
- b) This final report (fifteen copies) describing the work undertaken and summarizing significant aspects of the database.

- c) Computer routines for an ESEBase/FoxPrp prototype and documentation (to be presented under separate cover).

2.4 Data Presentation

In total, 131 report catalogue entries are included in the report catalogue database, and 188 bibliographic entries are included in the bibliographic database. All entries are stored on floppy disk in two databases called "MACK92RC" and "MACK92BB" for the report catalogue and the bibliography, respectively. In case of future requirements to transfer entries between these two databases, a database called "MACK92AL" containing all fields of the report catalogue and all reports/maps listed in the bibliography is also included. A location map for the project is presented as Figure 1. A copy of Bennett's source database with study numbers added is presented in a database called "SRCE88NM".

2.5 Project Participants

Personnel from EBA's Calgary and Yellowknife offices were primarily involved in this project, compiling the report catalogue and bibliography entries, and preparing the report. EBA Edmonton staff participated by providing data handling routines, reports and data.

Liaison with Government departments and other firms was conducted by EBA Calgary staff. The following organizations and people should be acknowledged for their assistance:

- o The Arctic Institute of North America (University of Calgary)
 - Mr. Eric Tull (Librarian)
 - Mr. Ross Goodwin (Manager, ASTIS)
- o ESSO Resources Canada Ltd.
 - Dr. Derek Nixon, P.Eng.

- o Geological Survey of Canada
 - Mr. Steve Blasco (Atlantic GeoScience Centre)
 - Mr. Bob Harmes (Atlantic GeoScience Centre)
 - Mr. John McIsaac (Institute of Petroleum and Sedimentary Geology)
 - Mr. Edward Hau (Institute of Petroleum and Sedimentary Geology)
 - Dr. Alejandra Duk-Rodkin (Institute of Petroleum and Sedimentary Geology)
- o Government of Northwest Territories
 - Mr. Fred Collins (Department of Transportation)

3.0 CATALOGUE OF GEOTECHNICAL AND GEOPHYSICAL FIELD ACTIVITIES

In total, 188 reports, maps and papers provided information for the report catalogue and bibliographic databases. Some reports cover very large geographic areas. It is suggested that to facilitate searching for this data, some division of the catalogue field activity entries into separate entries or 'sub-projects' from smaller geographic zones may be useful in future phases of the database project.

The catalogue includes these entries, in dBase III + format, standardized according to the Data Dictionary presented in Appendix A. The report catalogue data dictionary defines the terms used in the report catalogue and bibliographic databases.

Appendix B presents printouts of the Mackenzie Valley report catalogue entries as formatted by the Relational Report Writer format file "CAT1992.RP1" using format "MACK92". The report catalogue contains entries describing reports containing specific borehole data or new information relevant to existing data. A bibliographic summary of these entries is also listed in Appendix C.

A listing of entries in the bibliographic database, which includes other references referring to granular resources, is presented in Appendix D. The lists in Appendices C and D are organized by study number.

A list of reports not catalogued (that is, not appearing in either the report catalogue or the bibliographic database) appears in Appendix E, and is organised by year and contractor. A proposed study number for use when these reports are catalogued is also listed. Some of these reports are appropriate for entry into the report catalogue, other are more suited to the bibliography. It may also be that upon detailed inspection of some of these potential information sources, that they are applicable to neither. In this case, they would be added to a list such as that presented in Appendix F: references containing information related to the Mackenzie Valley Transportation Corridor but not related directly to granular resources information. Appendix F also contains a reference to the Arctic Science and Technology Information System (ASTIS), available for information searches at the AINA at the University of Calgary, Alberta.

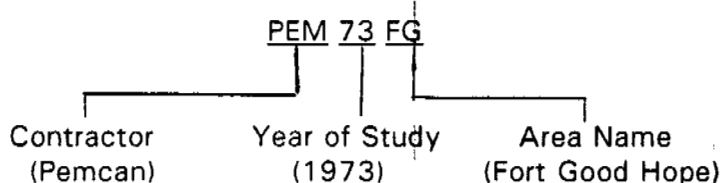
Appendix G contains the reference lists from the EBA (1988), HBT (1986), and Bennett (1988) reports.

4.0 DATABASE DESCRIPTION

Most items contained in the report catalogue are explained in sufficient detail in the Appendix A Data Dictionary. Additional clarification is required for two cross-reference fields; study number and source number. Work has begun to link these fields to the source database, and it is proposed that they will be linked to the existing ESEBase borehole database during a future phase of the project. The following paragraphs define the study and source numbers, and also discuss some of the similarities and differences in the use of these numbers by contractors to date.

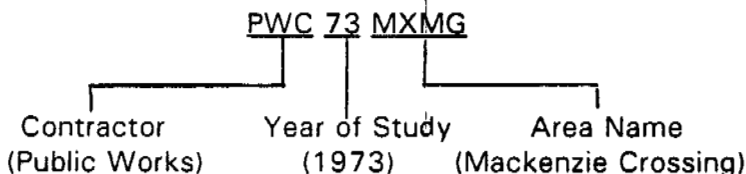
4.1 Study Number

The study number identifies the report from which borehole information is obtained, and is used as a link to other databases. The study number field is ten characters long. For EBA's 1991 work, the first four characters of the study number identified the study sponsor, however, during the present study, it was concluded that using the contractor name as an identifier would provide a more unique identifier. Thus, the first four characters identify the contractor, the following two characters identify the year of the study, and (up to) the remaining four characters were allowed to identify the geographic area or local name. For example:



The report catalogue entries compiled by EBA in 1991 have been modified to reflect this change in 1992. HBT's 1986 work did not have study numbers defined, only arbitrary report reference numbers. Bennett's 1988 work did not have reference numbers, but did define study numbers in an eight-character field. A field has been added to Bennett's source database to show the new study number. Further descriptions of each of these projects is provided below.

On occasion, the geographic region is identified by the geographic names of the endpoints. For example, a drilling project for a portion of the proposed Mackenzie Highway which extended from Mackenzie Crossing to Mount Gaudet, is presented as follows:



If there were two or more contractors, the contractor conducting most of the work was listed first under the "contractor" field, and was used in the study number. Table 1 lists the abbreviations used for the contractor names. Table 2 lists the abbreviations used for the geographic/area names.

The following sub-sections describe the method in which study or reference numbers were recorded during compilation of each of the existing source databases, and how they compare to the new (1992) designated study numbers.

4.1.1 Upper Mackenzie Valley (EBA, 1988)

EBA's computerized source database (1988) covers the Upper (Southern) Mackenzie Valley from Fort Providence to Norman Wells and includes 762 granular sources. EBA's study area is shown in Figure 2.

Studies used to obtain information for each granular source were listed as cross-references. Up to eleven fields were allowed for these cross-references, because in many cases, the same deposit was identified in more than one study. The original borrow source number was recorded with the reference study assigned an arbitrary one or two-digit number (based on the list of references used for EBA's 1988 report) in parentheses: source number (reference number). For example, (new) source number 7.075 has two cross-references: IPP(23) and AREA I-Af(31).

There was some discussion with INAC during the present work with respect to choosing a "primary" study number to use as a link to the report catalogue. The entries in the source database were intended to be a compilation of information from all the references listed for each source, therefore, a "primary" study (report) reference was not used in EBA's 1988 work. In some cases, sources which were listed as separate sources in the original reports have been combined. Thus, choosing one report over another may also be misleading.

Also, because they are part of the same geologic feature, numerous sources described in the source database cross geographic boundaries such as creeks or rivers. One report may be more applicable for one side of the creek, another may be more applicable to the other side of the creek. A researcher with a more than cursory interest in a specific source would no doubt obtain all of the original references to that source.

For these reasons, EBA suggests that a "primary" study number should not be chosen for each source in the source database. Also, to do so would require judgement and inspection of the original source reports. To review these reports again would be a time consuming undertaking, likely not worth the time spent.

However, some method of linking to the report catalogue is still required. For most reports specific to source deposits, the original source numbers appear in the report catalogue entry. Source numbers are discussed in more detail in the next section. A link using the study number would also be convenient.

The present update of the source database has not replaced the arbitrary numbers with the new contractor/year/area study numbers. This can readily be done, if required, by using a computer routine to compare and replace with a look-up table of reference numbers versus study numbers. Alternatively, an additional field can be added to show the assigned study number(s). A list of EBA's 1988 reference numbers correlated to the new (1992) study numbers is presented as Table 3. A complete list of references is included in Appendix G.

4.1.2 Lower Mackenzie Valley (HBT, 1986)

HBT's 1986 granular source deposit report and database (which format was adopted for consistency by EBA in 1988) covers the Lower (Northern) Mackenzie Valley from Norman Wells to Tuktoyaktuk. A total of 292 granular sources were assessed. The Fort MacPherson, Aklavik, and Richards Island areas were not included in the study. HBT's study area is shown in Figure 3.

Reports were cross-referenced similarly to EBA's, using superscripted reference numbers rather than reference numbers in parentheses: source number ^{reference number}. These numbers were also assigned arbitrarily to the reports. For example, for (new) source number 2.51, the two cross-reference numbers were listed as 1404³ and BD3-48⁹. A primary study (report) reference was not provided in HBT's 1986 work. Where more than one study had been conducted on a particular deposit, the largest interpreted outline was plotted on HBT's maps. Table 4 presents a list of HBT's report reference numbers versus EBA's assigned study numbers as defined in 1992. A complete list of references is included in Appendix G.

In many cases, HBT also assigned the same reference number to different reports done at the same time by the same contractor; for example, three reports done by Ripley, Klohn and Leonoff International Ltd. in 1973 in Inuvik, Arctic Red River, and Tuktoyaktuk for the Department of Indian Affairs and Northern Development were all assigned the same reference (superscript) number. This database was not computerized by HBT.

4.1.3 Lower Mackenzie Valley (Bennett, 1988)

Mr. L. Bennett's 1988 computerized source database for the Lower (Northern) Mackenzie Valley covers the area from Norman Wells to Fort MacPherson (south border of the Inuvialuit Lands). Bennett's report states that the study area is primarily based on that of HBT (1986), however, the Aklavik, Inuvik, Richards Island and Tuktoyaktuk areas were excluded from the database, and the Fort MacPherson area was included. Bennett's study area is shown in Figure 4 and includes the Mackenzie Valley portion of the Territorial Land Claims Area. A total of 558 sources were included in the database, as compared to HBT's 292 sources.

A study number was arbitrarily assigned to the primary report reference, comprising 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. This was recorded in a field called "study_no",

for example, "A-0137-1". This assignation does not appear entirely consistent, however, because in the two printed examples provided with Bennett's documentation, the study number is listed as "A-105-01". Table 5 presents a list of Bennett's study numbers versus EBA's 1992 study numbers. A complete list of references is included in Appendix G.

For the present work, EBA renamed the existing "study_n0" field to "o_study_no" (for 'old' study number) and created a new field called "study_no". The new 1992 study numbers were added to the new field. Thus, Bennett's Lower Mackenzie source database is now linked with the report catalogue via the study number.

Bennett chose a primary report reference which was recorded in a single field called "source_ref", by using the bibliographic citation, by author and year, of the report describing the deposit. If additional reports existed describing the source, they were cross-referenced using a single field called "x_ref" which was 75 characters in length. These cross-references also used a bibliographic citation, by author and year, as well as any alternative source number or name included in the cross-referenced report. These could be later correlated with the study numbers as well, if desired.

4.1.4 Comparison of Database Compilations

EBA's and Bennett's source databases appear to differ primarily in the method the reports were referenced. EBA did not prioritize information sources listed as cross-references, Bennett did. EBA has reviewed Bennett's report titled Granular Resource Database Manual - Territorial Land Claims Area dated January 1988. This report does not provide details on how the sources were chosen for entry into the database. Because many more sources are included in Bennett's study (558) than were included in HBT's study (292) upon which it was based, EBA surmises that little consolidation of related sources into single sources may have been done. Thus, choice of a "primary" study number may indeed be more applicable to Bennett's 1988 source database than to EBA's 1988 source database.

4.2 Source Number

EBA has done some preliminary work to correlate the report catalogue to the existing source databases by use of the study numbers and source numbers. Source numbers shown in the report catalogue database are as described in the original reports, and will remain so at the request of INAC. The original source numbers are also recorded in the cross-reference fields of EBA's 1988 source database, followed by the report reference number for the source(s) in parentheses. For this project, where not yet included and where applicable, the original source numbers were added to the report catalogue entries.

In cases where a report, paper or map may be relevant to a source it does not directly refer to, source numbers have not been provided in the report catalogue entry. This could be done in future, if desired, by use of UTM grid coordinates or geographic coordinates to locate sources relevant to a particular report catalogue entry. For references which cover very large areas, for example, map sheets, this action may result in very many source numbers. Depending upon the type of entry, consideration could be given to dividing report catalogue entries into "sub-projects" or "sub-areas" prior to assigning source numbers to the entries.

An additional field may be added in the future, if requested, to include the new source numbers as well in the report catalogue entries. In the source database, the new source numbers as assigned by EBA (1988) and HBT (1986) used a prefix defining a Borrow Management Area, with a suffix of an arbitrarily assigned source number. For example, in Borrow Management Area 7, source number "7.057" was assigned to a granular deposit. This deposit had several original source numbers, depending upon the report, for example: NW-4, IPP-3kmp, and AREA IR. For some sources, different reports use different original source numbers or names for the same site, for others, different reports use the same numbers or names for the same site.

Bennett (1988) did not assign new source numbers, but used the original source number, presumably as referred to by the most important report referring to the source.

4.3 Testhole and Sample Types

Various types of testholes and sample types were encountered in the reports, for example, boreholes, testpits, coreholes, and mapping of exposures. The abbreviations used in the databases for types of testholes are listed on Table 6. Table 7 presents a list of sample types and corresponding abbreviations used for the databases.

4.4 Other Standards for Compilation of Entries

The "month" and "year" fields are used for the month and year of the field work. If there was no field work, or no date is available, the date of the report is used. Where available, the date of the report is included with the report title in the "rpt_title" field.

For archive location of maps, drawings or figures, the term "in report" is used when the item was actually in the report. If the item was not in the report, the expected location of the item was recorded, or the term "missing from report" was used.

5.0 SUMMARY

A total of 188 reports, maps, and papers from the Mackenzie Valley have been summarized in report catalogue and bibliographic databases, resulting in 131 report catalogue entries and 188 bibliographic entries. The existing Lower Mackenzie source database has been linked to the report catalogue (via study number, and to some extent with source number) to allow interpretation and evaluation of the distribution of granular resources and restrictions on their development. The existing Upper Mackenzie source database still needs to be directly linked by study number to the report catalogue, but is linked to some extent by source numbers. More work is required to create the most easily accessible link between the databases.

For future work, information not yet acquired could be catalogued, and the existing ESEBase borehole database linked to the report catalogue and source databases. Borehole logs not yet included in the ESEBase borehole database can be added. Up to date information on each granular deposit, for example, current pit use should be collected and added to the databases.

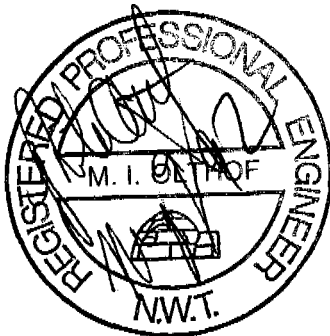
Once complete, regular maintenance of the database by updating annually with new data will provide a reliable source of data on Mackenzie Valley granular resources.

Respectfully submitted,

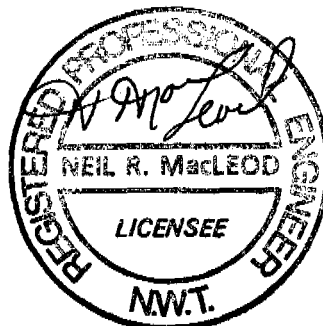
EBA ENGINEERING CONSULTANTS LTD.

Prepared by:

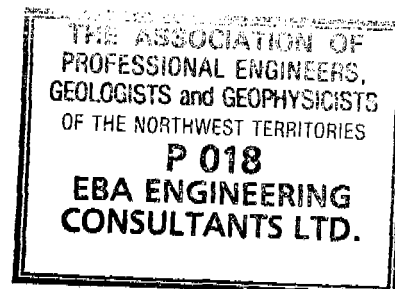
Reviewed by:



Rita I. Olthof, P.Eng.
Project Engineer



92-5-11
N.R. MacLeod, P.Eng.
Sr. Project Engineer



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TABLE 1
CONTRACTOR NAMES AND ABBREVIATIONS

CONTRACTOR NAME	ABBREVIATION
Acres Consulting Services Ltd.	ACR
BBT Geotechnical Consultants and GVM Geological Consultants Ltd.	BBT
J.M. Blackwell	BLK
J.M. Blackwell and G.H. Watson	BW
Canada North Engineering Ltd.	CNE
Canadian Arctic Gas Pipeline Ltd.	CAG
EBA Engineering Consultants Ltd.	EBA
Elmer W. Brooker & Associates Ltd.	EWB
Gas Arctic/Northwest Project Study Group	GSNP
Gas Arctic Systems Study Group Ltd.	GAS
Gentile, D.J., and Zaturechy, J.W.	GENT
Golder Associates (Western Canada) Ltd.	GAL
Hardy Associates (1978) Ltd.	HAL
Hardy BBT Ltd.	HBT
Nesbitt, T.H.D., and Howell, J.D.	HBT
Inuvialuit Development Corporation	IDC
Klohn Leonoff Consultants Ltd.	KLC
Klohn Leonoff Ltd.	KLL
Lombard Group North	LNG
Mackenzie Highway Granular Materials Working Group	MHG
Mackenzie Valley Pipe Line Research Ltd.	MVPL
MacLaren PlanSearch	MLP
J.D. Mollard and Associates Ltd.	MOL
not available	NA
Northern Engineering Services Co. Ltd.	NES
Pemcan Services (1972) Ltd.	PEM
Polar Gas Project	PGP
Public Works Canada	PWC
Ripley, Klohn and Leonoff Alberta Ltd.	RKL
Ripley, Klohn & Leonoff International Ltd.	RKL
R.M. Hardy & Associates Ltd.	RMH
Schultz International Ltd.	SCH
F.F. Slaney & Company Ltd.	FFS
Techman Ltd.	TEC
Templeton Consultants Ltd.	TEM
Terrain Analysis and Mapping Services Ltd.	TAM
Thurber Consultants Ltd.	TCL
Underwood McLellan and Associates	UMA
G.H. Watson	WAT

TABLE 2
GEOGRAPHIC REGION OR LOCAL NAMES AND ABBREVIATIONS

GEOGRAPHIC NAME	ABBREVIATION
Aklavik	AK
Arctic Red River	AR
Axe Point	AX
Big Smith Creek	BS
Bosworth Creek	BC
Blackwater River	BR
Campbell Creek	CC
Campbell River	CR
Camsell Bend	CB
Canot Lake	CL
Canyon Creek	CY
Caribou Hills	CH
Central Mackenzie Valley	CM
Cristine Creek	CR
Dempster Highway	DH
Enterprise	EN
Fort Good Hope	FG
Fort McPherson	FM
Fort Norman	FN
Fort Simpson	FS
Francis Creek	FC
Great Bear (River)	GB
Great Bear River Alternate Crossings	GBA
Hanna River	HR
Heart Lake	HL
Helava Creek	HV
Hodson Creek	HC
Inuvik	IN
Jungle Ridge Creek	JR
Kakisa Lake	KL
Liard	LI
Liard River	LR
Little Smith Creek	LS
Mackenzie Crossing	MC
Mackenzie Delta	MD
Mackenzie River	MR
Mackenzie Valley	MV
Mackenzie Valley Transportation Corridor	MVTC
Mahony Lake	ML

TABLE 2 continued
GEOGRAPHIC REGION OR LOCAL NAMES AND ABBREVIATIONS

GEOGRAPHIC NAME	ABBREVIATION
Martin House	MH
Martin River	MR
Mount Gaudet	MG
Norman Wells	NW
North Mackenzie Valley	NM
Ochre River	OR
Ontaratue River	ON
Parsons Lake	PL
Pointed Mountain	PM
Prohibition Creek	PC
Prudhoe Bay	PB
Rainbow Creek	RC
Richards Island	RI
River-Between-Two-Mountains	RM
Saline River	SR
Sans Sault Rapids	SS
Shallow Bay	SB
Sibbeston Lake	SL
Smith Creek	ST
South Mackenzie Valley	SM
Steep Creek	SC
Thunder River	TR
Travaillant Lake	TL
Trout Lake	TO
Tuktoyaktuk	TK
Tuktoyaktuk Peninsula	TP
Vermilion Creek	VC
Whitesand Creek	WC
Willowlake River	WL
Wrigley	WR
Yukon/Alaska Border	YA
Yukon Coastal Plain	YC
Zama Lake	ZL

TABLE 3
EBA 1988 REFERENCE NUMBERS AND EBA 1992 STUDY NUMBERS

EBA 1988 REFERENCE NUMBER	EBA 1992 STUDY NUMBER
1	NES75FGAB
2	PEM73FSWR
3	NES74MV
4	PEM73WRFN
5	PEM73FS
6	NES75MDFS
7	PEM73FNNW
8	PEM73FN
9	PEM73WR
10	PEM73NW
11	PEM73FS
11A-19	GSC73MV
20	
21	EBA80MV
22	PAAG74MV
23	IPL80NW
24	PWC75MH1
25	PWC73MH
26	PWC76FSRM
27	PWC81MH
28	PWC86MH
29-36	GSC73MV
37	IPL80NW
38	EWB73MH1
39	HAL86NM
40	GNWT88MV
41	EWB73MH2
42	EWB73MH3
43-46	PWC75MH2
47	PWC_____
48	PWC_____
49	RMH73MH
50	
51	EBA87MR
52	MLP82MV

TABLE 4
HBT 1986 REFERENCE NUMBERS AND EBA 1992 STUDY NUMBERS

HBT 1986 REFERENCE NUMBER	EBA 1992 STUDY NUMBERS
1	PEM73NWFG PEM73NW PEM73FG PEM73FSFG
2	RKL73MV
3	RKL73IN RKL73AR RKL73TK
4	EBA73FGAR
5	EBA73SM
6	PWC74FGDH
7	NES76MV *
8	EBA76MD
9	TEC76MV
10	PWC81NM #
11	KLC74PL

* Report not seen by EBA at time of writing, preliminary entry done in report catalogue dated 1975, 1976 is designated NES76MV; report referenced in HBT, 1986 is dated 1976-77, may be designated NES77MV.

Report not seen by EBA at time of writing, preliminary entry done in report catalogue, designated PWC81NM.

TABLE 5
BENNETT 1988 STUDY NUMBERS AND EBA 1992 STUDY NUMBERS

BENNETT 1988 STUDY NUMBERS	EBA 1992 STUDY NUMBERS
A-0101-1	EBA74FGAR
A-0102-1	PEM73FG PEM73NWFG PEM73NW
A-0103-1	RKL73AR RKL73MV
A-0104-1	NES76NM *
A-0105-1 A-105-01	TEC76MV

* Report not seen by EBA at time of writing, preliminary entry done in report catalogue dated 1975, 1976; designated NES76MV.

FIGURES

LIST OF FIGURES

- FIGURE 1 AREA MAP
- FIGURE 2 UPPER (SOUTHERN) MACKENZIE STUDY AREA (EBA, 1988, 0306-34395)
- FIGURE 3 LOWER (NORTHERN) MACKENZIE STUDY AREA (HBT, 1986, CG10219)
- FIGURE 4 LOWER (NORTHERN) MACKENZIE STUDY AREA (BENNETT, 1988, LBCon)

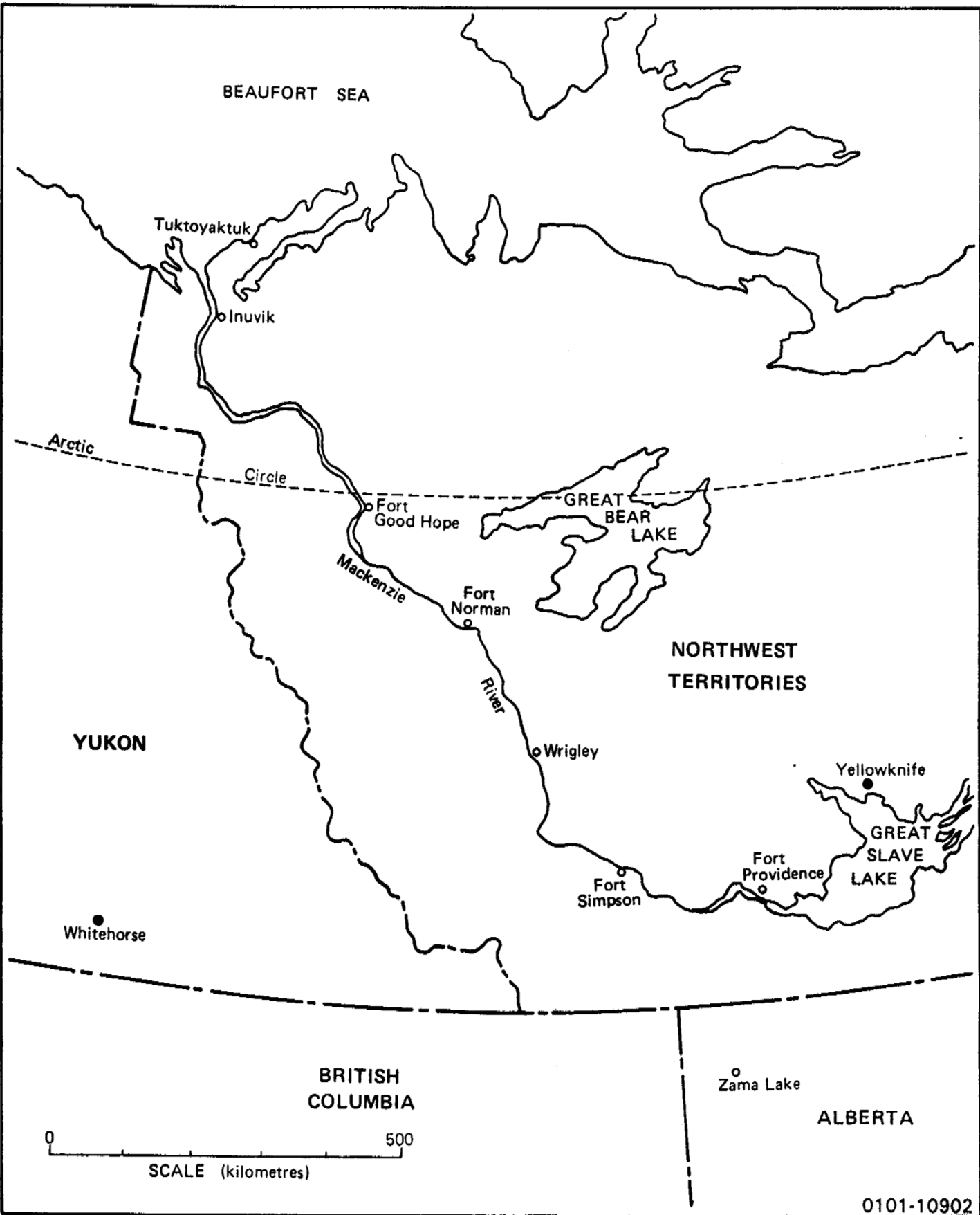
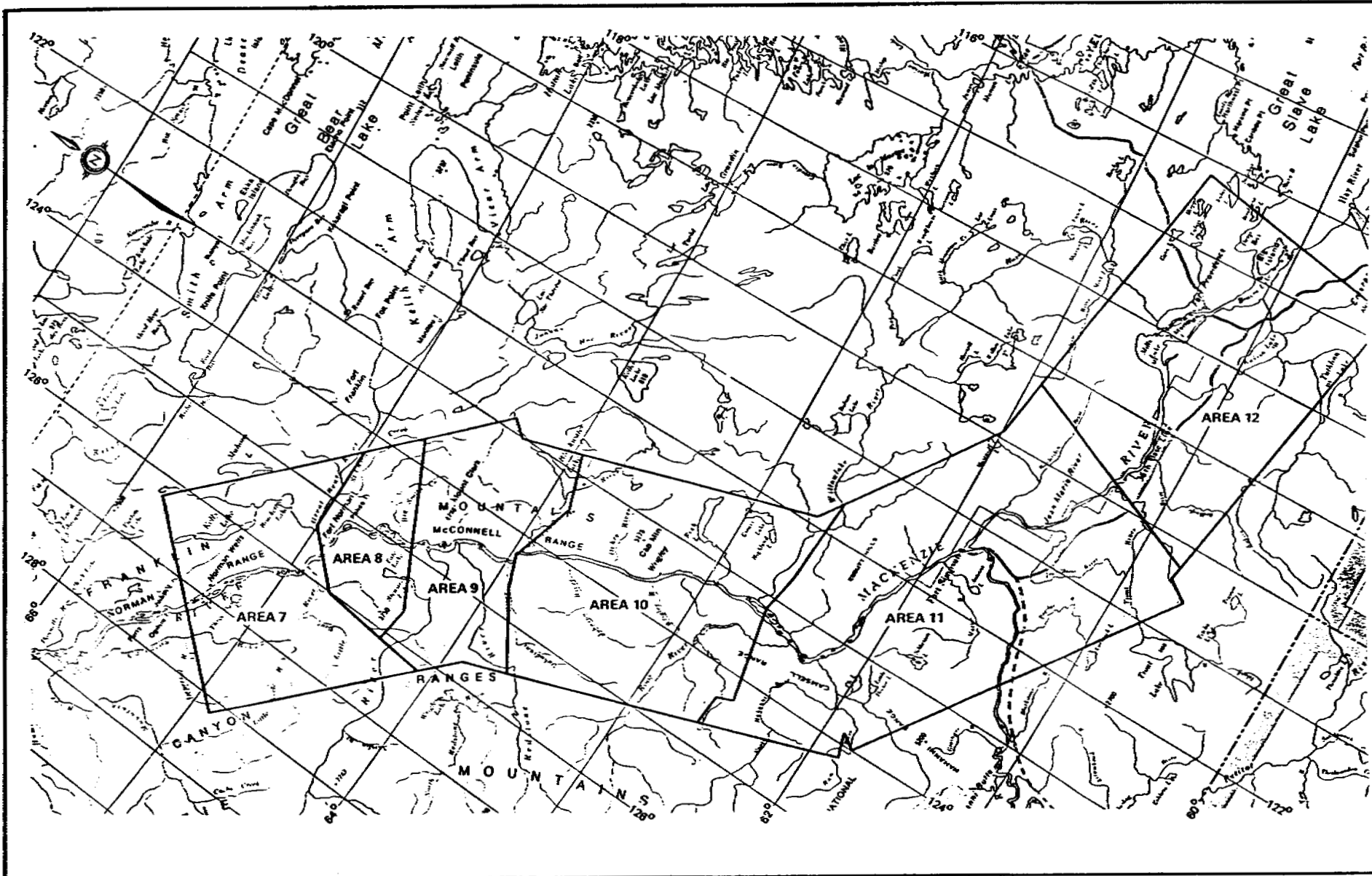


FIGURE 1 AREA MAP OF THE MACKENZIE VALLEY



EBA Engineering Consultants Ltd.

CLIENT

INDIAN AND NORTHERN AFFAIRS CANADA

PROJECT

**GRANULAR RESOURCES DATABASES
MACKENZIE VALLEY, N.W.T.**

TITLE

**UPPER (SOUTHERN)
MACKENZIE STUDY AREA
(EBA, 1988, 0306-34395)**

DATE

92-04-23

DWN.

WMG

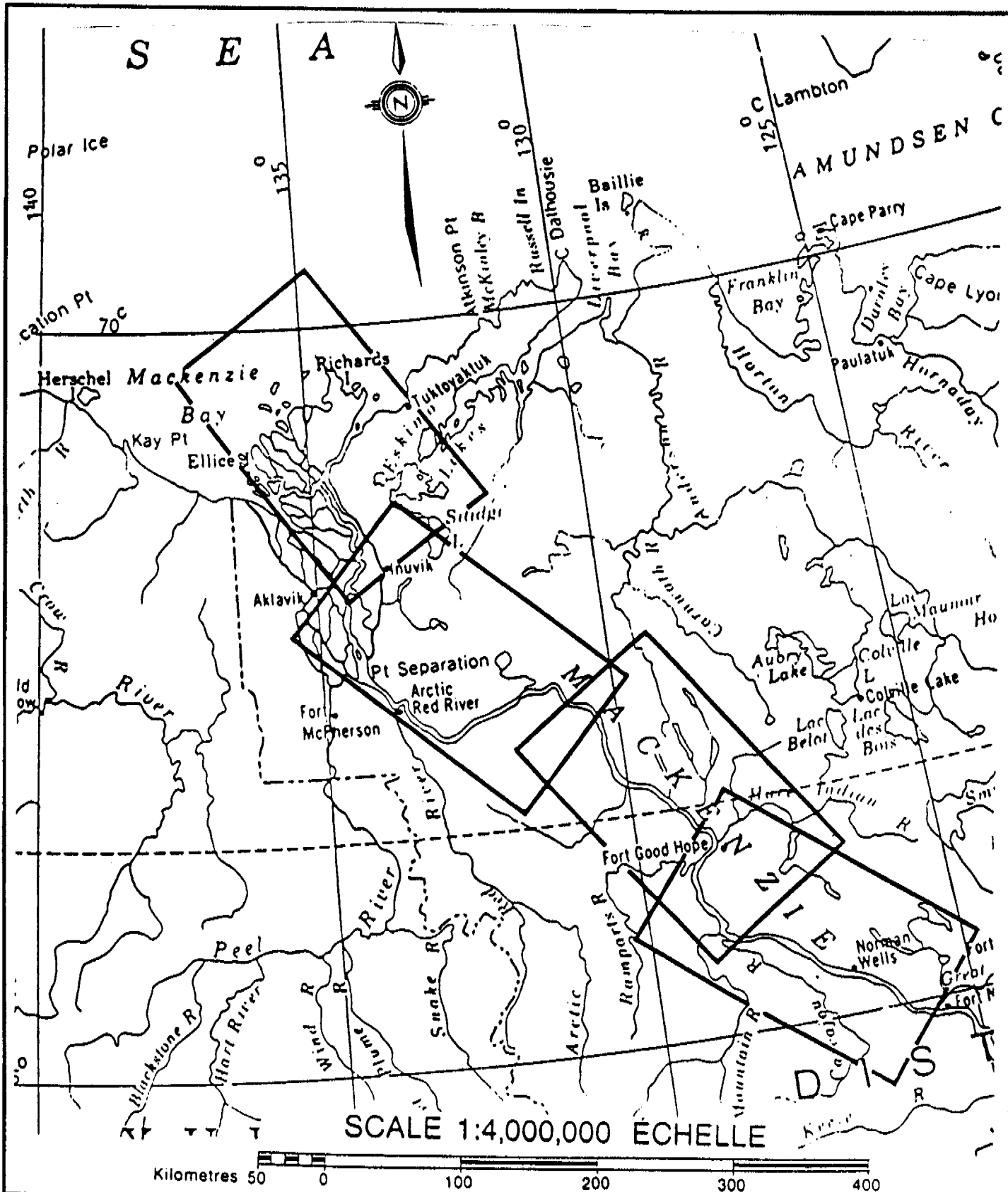
CHKD.

RIO

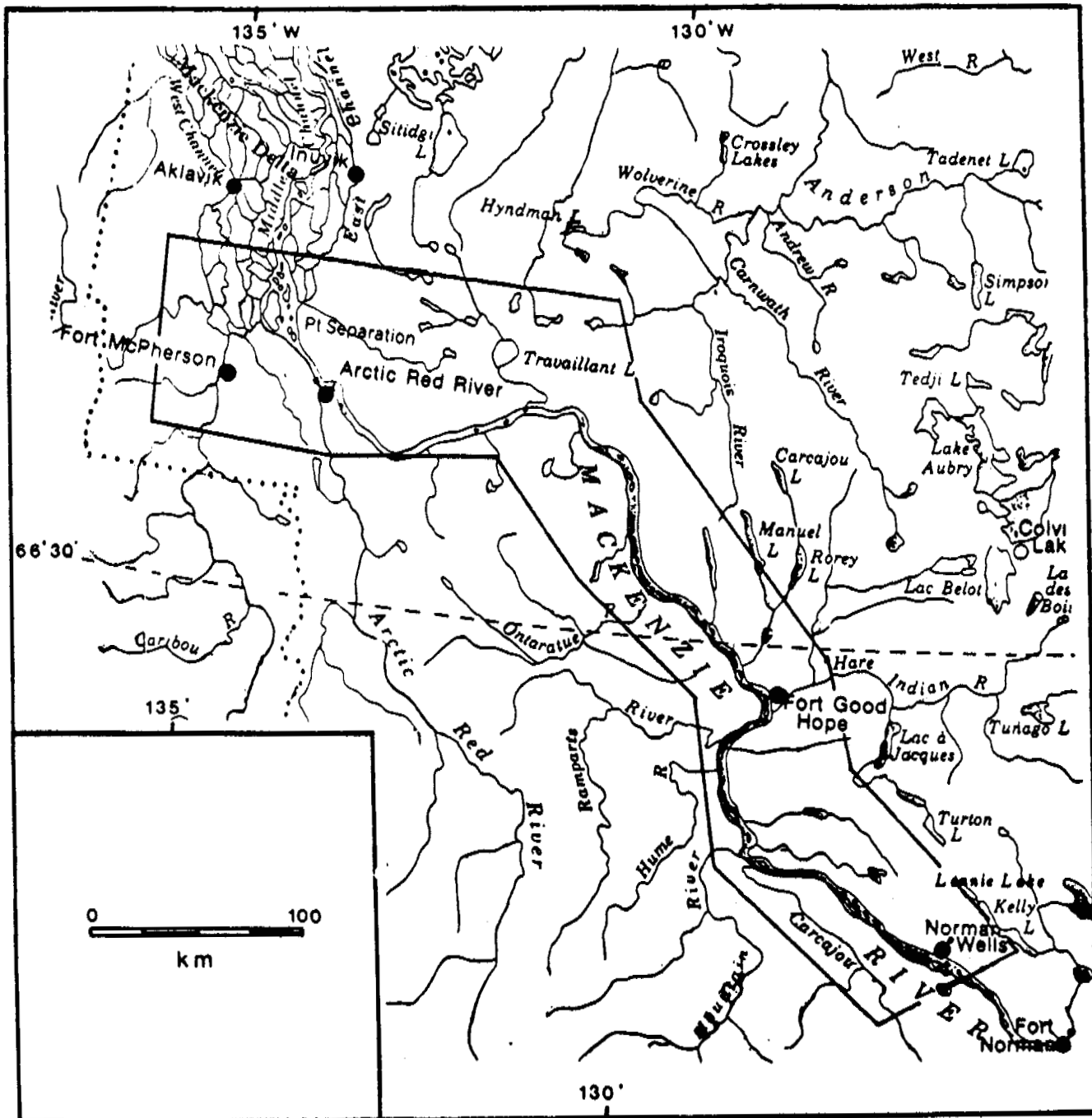
FILE NO.

0101-10902

FIGURE 2



EBA Engineering Consultants Ltd.					PROJECT GRANULAR RESOURCES DATABASES MACKENZIE VALLEY, N.W.T.	
CLIENT INDIAN AND NORTHERN AFFAIRS CANADA					TITLE LOWER (NORTHERN) MACKENZIE STUDY AREA (HBT, 1986, CG10219)	
DATE 92-04-23	DWN.	WMG	CHKD.	RIO	FILE NO. 0101-10902	FIGURE 3



EBA Engineering Consultants Ltd.	PROJECT GRANULAR RESOURCES DATABASES MACKENZIE VALLEY, N.W.T.
CLIENT INDIAN AND NORTHERN AFFAIRS CANADA	TITLE LOWER (NORTHERN) MACKENZIE STUDY AREA (BENNETT, 1988, LBcon 1988)
DATE 92-04-23 DWN. WMC CHKD. RIO	FILE NO. 0101-10902 FIGURE 4

APPENDIX A
REPORT CATALOGUE DATA DICTIONARY

**CATALOGUE OF GRANULAR RESOURCES - RELATED INFORMATION
DATA DICTIONARY - REPORT CATALOGUE**

PART A: STUDY REFERENCE AND LOCATION

AA - STUDY NUMBER:

A unique study identifier number which serves as a link to other databases (e.g. Source Database, ESEBase Borehole Database).

AB - YEAR:

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

ABI - MONTH:

The month in which the majority of the field work was completed (e.g. 07)

AC - SPONSOR:

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

AC1 - SPONSOR JOB/FILE NUMBER:

AD - SPONSOR CONTACT NAME:

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, consultants or group contracted by the sponsor to undertake the study (e.g. EBA Engineering Consultants Ltd., Northern Engineering Services Company Ltd.)

AE1 - CONTRACTOR JOB/FILE NUMBER:

The contractor's file number

AE2 - CONTRACTOR CONTACT NAME

AE3 - REPORT TITLE:

The title of the original report

AF1 - MINIMUM ZONE:

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

AF2 - MINIMUM EASTING:

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

AF3 - MINIMUM NORTHING:

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

AG1 - MINIMUM LATITUDE:

The latitude in decimal degrees of the southern extremity of the enclosing block (e.g. 69.72345)

AG2 - MINIMUM LONGITUDE:

The longitude in decimal degrees of the eastern extremity of the enclosing block (e.g. 135.03926)

AH1 - CENTRE LATITUDE:

The latitude in decimal degrees of the centre of the enclosing block (e.g. 70.72345)

AH2 - CENTRE LONGITUDE:

The longitude in decimal degrees of the centre of the enclosing block (e.g. 135.53926)

AI1 - CENTRE ZONE:

The UTM zone of the centre of the enclosing block (e.g. 08)

AI2 - CENTRE EASTING:

The UTM grid line of the centre of the enclosing block (e.g. 476321)

AI3 - CENTRE NORTHING:

The UTM grid line of the centre of the enclosing block (e.g. 7602500)

AJ1 - MAXIMUM ZONE:

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

AJ2 - MAXIMUM EASTING:

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

AJ3 - MAXIMUM NORTHING:

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

AK1 - MAXIMUM LATITUDE:

The latitude in decimal degrees of the northern extremity of the enclosing block (e.g. 70.72345)

AK2 - MAXIMUM LONGITUDE:

The longitude in decimal degrees of the western extremity of the enclosing block (e.g. 136.03926)

AL - GENERAL LOCATION - AREA NAME

-regional or local name in location map/ plan

AM - LOCATION MAP 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.

AN - LOCATION MAP 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. paper copy; mylar original, folded blueline).

AO - LOCATION MAP 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)

AP - LOCATION MAP DIGITIZER NUMBER:

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

AQ - LOCATION MAP 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, etc.)

AR - SITE PLAN/SITE NAME:

Site or block name in site plans

AS - SITE PLAN NUMBER:

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.

AT - SITE PLAN FORMAT:

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 site within the main study area (e.g. paper copy; mylar original, folded blueline).

AU - SITE PLAN SCALE:

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. 5000)

AV - SITE PLAN DIGITIZER NUMBER:

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

AW - SITE PLAN 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).

AX - SOURCE NUMBERS:

A cross-reference field (to the source catalogue, when prepared) which lists the source numbers of the sources included in the report.

AY - SURVEY LINE NUMBERS/LOCATION DETAILS:

Description of geophysical or hydrographic survey line numbers or locations, or further location details of geotechnical studies.

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 - **STUDY SIZE:**

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

BE - **SURVEY LEVEL:**

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

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 site. (e.g. 250 m E-W, 500 m N-S; 10 - 15 km)

BH - **PROGRAM LENGTH/SURVEY LENGTH:**

The length of the field data collection or survey program, in days or showing specific dates.

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; D8 cat; sonic drill; CME 750 Auger drill, etc.)

BK - PENETRATION:

The average penetration of drilling or soil sampling equipment, (e.g. 5, 7.5, 10), directly related to the equipment type.

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/RECORDING 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. poor-fair, good, disturbed, etc.)

BO - SAMPLE/RECORDING 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 obtained with the indicated types of equipment.

BP - SAMPLE/RECORDING SIZE:

The total number(s) of samples obtained during the study, where appropriate, and related to the Sample/Recording type(s) (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 department/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).

BU - OTHER REPORTS:

Related to present report or sources covered in present report.

BY1 - COMPILER:

Record compiled by (company/name).

BY2 - COMPILE DATE:

Date record compiled.

BY3 - DATA COMPILATION PROJECT NUMBER:

BZ1 - UPDATER:

Record updated by (Company/Name).

BZ2 - UPDATE DATE:

Date record updated (most recent).

BZ3 - DATA UPDATE PROJECT NUMBER:

BZ4 - PROPRIETARY:

Indicates whether report/data is public or proprietary. If proprietary, contact organization and/or person is listed.

BZ5 - REPORT CATALOGUE OR BIBLIOGRAPHY:

If report contains borehole data or significant new information related to granular resources, it is designated "RC/BB" to be included in the report catalogue as well as the bibliography. However, if the item is a map or summary report or review of granular resources information, it is generally designated "BB" to be included in the bibliography only.

APPENDIX B
REPORT CATALOGUE ENTRIES

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: ACR73HC MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT HODGSON CREEK MILE 436 MACKENZIE HIGHWAY NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.23000	0.00000
LONGITUDE:	0.00000	123.48000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY	HODGSON CREEK CROSSING MOSAIC&TH LOC PLN
NUMBER:	
SCALE : 1:0	FIGURE 1
FORMAT:	1:12000
ARCHIV:	FOLDED BLUELINE
DIG NO:	IN REPORT
SOURCE NUMBER(S):	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE :

SURVEY PATTERN: 7 BOREHOLES
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

WINTER

PROGRAM LENGTH: FEB/73

EQUIPMENT :

GARDNER-DENVER 200 HELIDRILL

PENETRATION:

7.3 M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: GOOD
TYPE : DISTURBED, 75MM SHELBY, SPT SPLIT SPOON
SIZE : 29 DISTURBED, 1 SHELBY, 12 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: ACR73RM MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT RIVER BETWEEN TWO MOUNTAINS, MILE 411 MACKENZIE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	62.95000	0.00000
LONGITUDE:	0.00000	123.20000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY	R BTWN 2 MTNS CRSSNG MOSAIC & TH LOC PLN
NUMBER:	
SCALE : 1:0	FIGURE 1
FORMAT:	1:12000
ARCHIV:	FOLDED BLUELINE
DIG NO:	IN REPORT
SOURCE NUMBER(S):	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE :
SURVEY PATTERN: 7 BOREHOLES
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM
WINTER
PROGRAM LENGTH: FEB/73
EQUIPMENT :
GARDNER-DENVER 200 HELIDRILL
PENETRATION:
9.4M
RESOLUTION :
GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS TO 3 M
QUALITY: GOOD
TYPE : DISTURBED, SPT SPLIT SPOON
SIZE : 20 DISTURBED, 12 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: ACR73WL MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT WILLOWLAKE RIVER, MILE 394 MACKENZIE HIGHWAY, NW

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	62.70000	0.00000
LONGITUDE:	0.00000	123.08000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	WILLOWLAKE R. CRSSG MOSAIC & TH LOC PLN
NUMBER:		
SCALE : 1:0		FIGURE 1
FORMAT:		1:12000
ARCHIV:		FOLDED BLUELINE
DIG NO:		IN REPORT
SOURCE NUMBER(S):		

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE :

SURVEY PATTERN: 7 BOREHOLES
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

WINTER PROGRAM LENGTH: FEB/73

EQUIPMENT :
GARDNER-DENVER 200 HELIDRILL

PENETRATION:
15.7 M

RESOLUTION :
GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5 M
QUALITY: GOOD
TYPE : DISTURBED, 75 MM SHELBY, SPT SPLIT SPOON
SIZE : 7 DISTURBED, 2 SHELBY, 46 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
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DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: ACR73HC MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT HODGSON CREEK MILE 436 MACKENZIE HIGHWAY NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.23000	0.00000
LONGITUDE:	0.00000	123.48000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY	HODGSON CREEK CROSSING MOSAIC&TH LOC PLN
NUMBER:	
SCALE : 1:0	FIGURE 1
FORMAT:	1:12000
ARCHIV:	FOLDED BLUELINE
DIG NO:	IN REPORT
SOURCE NUMBER(S):	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE :

SURVEY PATTERN: 7 BOREHOLES
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

WINTER

PROGRAM LENGTH: FEB/73

EQUIPMENT :

GARDNER-DENVER 200 HELIDRILL

PENETRATION:

7.3 M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: GOOD
TYPE : DISTURBED, 75MM SHELBY, SPT SPLIT SPOON
SIZE : 29 DISTURBED, 1 SHELBY, 12 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

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MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: ACR73MXMG MONTH: 2 YEAR: 1973

SPONSOR : DPW CANADA

JOB NO : CONTACT:

CONTRACTOR : ACRES INTERNATIONAL LTD.

JOB NO : CONTACT: MR. DON ROBERTS

REPORT TITLE: DEPARTMENT OF PUBLIC WORKS, MACKENZIE HIGHWAY, MILE 346-450, GEOTECHNICAL INVESTIGATION

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	62.15000	62.78300	63.41666
LONGITUDE:	122.50000	123.12500	123.75000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	PHOTO MOSAICS
NUMBER:	FIG. 1	P-3243-C-901 TO 927
SCALE :	1:540000	1:12000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: REVIEW OF EXISTING DATA, AIR PHOTO INTERP, DRILLING & SAMPLING

SIZE : 690 CL BHS, 184 BORROW BHS

SURVEY PATTERN:

SURVEY SPACING:

SEASON: WINTER PROGRAM LENGTH: 44 DAYS, JAN 10-MAR 12, 1973

EQUIPMENT : 2 GARDNER DENVER 200 HELIDRILLS MOUNTED ON FOREMOST 60 TRACKS, MUD CAPACITY WITH COM

PENETRATION: GENERALLY 4.5M, UP TO 12.2M; FOR BRIDGE-30M; FOR CL, 4.5-24.4M; FOR BORROW BH; 0.9-3.6M F

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M OR CHANGES IN SOIL TYPE

QUALITY: GOOD

TYPE : DISTURBED, SPLIT SPOON (GRANULAR), SHELBY (COHESIVE)

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, PROPERTIES, HWY ALIGNMENT, CONSTRUCTION, PERMAFROST, RIVER CROSSINGS, BORR

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER : GSC 3022, PAPER 6-13(1961)

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: ACR73RM MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT RIVER BETWEEN TWO MOUNTAINS, MILE 411 MACKENZIE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	62.95000	0.00000
LONGITUDE:	0.00000	123.20000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY	R BTWN 2 MTNS' CRSSNG MOSAIC & TH LOC PLN
NUMBER:	FIGURE 1
SCALE : 1:0	1:12000
FORMAT:	FOLDED BLUELINE
ARCHIV:	IN REPORT
DIG NO:	
SOURCE NUMBER(S):	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE :
SURVEY PATTERN: 7 BOREHOLES
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

WINTER PROGRAM LENGTH: FEB/73

EQUIPMENT : GARDNER-DENVER 200 HELIDRILL

PENETRATION: 9.4M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : CONTINUOUS TO 3 M
QUALITY: GOOD
TYPE : DISTURBED, SPT SPLIT SPOON
SIZE : 20 DISTURBED, 12 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CLASSIFICATION
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: ACR73ST MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT SMITH CREEK, MILE 429 MACKENZIE HIGHWAY, NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.18000	0.00000
LONGITUDE:	0.00000	123.30000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	SMITH CR CRSSG MOSAIC & TH LOC PLN
NUMBER:		FIGURE 1
SCALE : 1:0		1:12000
FORMAT:		FOLDED BLUELINE
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE : 5 BOREHOLES
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH: FEB/73

EQUIPMENT : GARDNER-DENVER 200 HELIDRILL

PENETRATION: 5.5 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5 M
QUALITY: GOOD
TYPE : DISTURBED, 75 MM SHELBY, SPT SPLIT SPOON
SIZE : 7 DISTURBED, 5 SHELBY, 4 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION AND STRENGTH TESTS
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: ACR73WL

MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA

JOB NO : CONTACT:

CONTRACTOR : ACRES CONSULTING SERVICES LTD.

JOB NO : CONTACT:

REPORT TITLE: FOUNDATION REPORT FOR CROSSING AT WILLOWLAKE RIVER, MILE 394 MACKENZIE HIGHWAY, NW

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	62.70000	0.00000
LONGITUDE:	0.00000	123.08000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	WILLOWLAKE R. CRSSG MOSAIC & TH LOC PLN
NUMBER:		
SCALE : 1:0		FIGURE 1
FORMAT:		1:12000
ARCHIV:		FOLDED BLUELINE
DIG NO:		IN REPORT
SOURCE NUMBER(S):		

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING

SIZE :

SURVEY PATTERN: 7 BOREHOLES
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

PROGRAM LENGTH: FEB/73

WINTER

EQUIPMENT :

GARDNER-DENVER 200 HELIDRILL

PENETRATION:

15.7 M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5 M
QUALITY: GOOD
TYPE : DISTURBED, 75 MM SHELBY, SPT SPLIT SPOON
SIZE : 7 DISTURBED, 2 SHELBY, 46 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: ACR75AX MONTH: 12 YEAR: 1975

SPONSOR : NORTHCAN CONSTRUCTION MANAGEMENT LTD.
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: NORTHERN STAGING AREAS, AXE POINT, GEOTECHNICAL REPORT (FEBRUARY, 1976), MACKENZIE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	11	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	61.30000	0.00000
LONGITUDE:	0.00000	118.70000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	AXE POINT
NUMBER:	PLATE 6	PLATE 1
SCALE :	1:72000	1:6000
FORMAT:	FOLDED BLUELINE	FOLDED BLUELINE
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: NORTHERN STAGING AREAS
LEVEL: AIR PHOTO INTERPRETATION, REVIEW OF EXISTING REPORTS, FIELD DRILLING

SIZE : 34 BHs (9 PREVIOUS BHs)
SURVEY PATTERN: SPECIFIC SITE
SURVEY SPACING: RANDOM
SEASON: WINTER
PROGRAM LENGTH: NOV23 - DEC17/75

EQUIPMENT : HELIDRILL

PENETRATION: 6 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : EVERY 0.6M
QUALITY: DISTURBED, GOOD
TYPE : GRAB, CRREL CORES
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/28 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: ACR75EN MONTH: 12 YEAR: 1975

SPONSOR : NORTHCAN CONSTRUCTION MANAGEMENT LTD.
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: NORTHERN STAGING AREAS, ENTERPRISE, GEOTECHNICAL REPORT, FEB 1976

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	11	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	60.55000	0.00000
LONGITUDE:	0.00000	116.10000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	ENTERPRISE	ENTERPRISE
NUMBER:		PLATE 1
SCALE : 1:0		1:6000
FORMAT:		FOLDED PAPER COPY
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO INTERPRETATION, REVIEW OF EXISTING REPORTS, FIELD DRILLING

SIZE : 17 BHs
SURVEY PATTERN: SPECIFIC SITES
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH: 2 DAYS, DEC/75

EQUIPMENT : WINTERWISE 1000 SOLID STEM AUGER

PENETRATION: 3 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : EVERY BOREHOLE
QUALITY: DISTURBED
TYPE : GRAB
SIZE : 17 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY, PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/28 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: ACR75FS MONTH: 10 YEAR: 1975

SPONSOR : NORTHCAN CONSTRUCTION MANAGEMENT LTD.
JOB NO : CONTACT:
CONTRACTOR : ACRES CONSULTING SERVICES LTD.
JOB NO : CONTACT:
REPORT TITLE: NORTHERN STAGING AREAS FORT SIMPSON - BOUVIER RIVER GEOTECHNICAL REPORT, FEB 1976

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	11
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.25000	61.55000	61.85000
LONGITUDE:	119.15000	120.20000	121.25000

LOCATION:	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON	BOUVIER RIVER
NUMBER:	PLATE 1	PLATE 2
SCALE :	1:25000	1:60000
FORMAT:	PAPER COPY	FOLDED PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO INTERPRETATION, REVIEW OF EXISTING REPORTS, FIELD DRILLING

SIZE : 10 BHs, 2 SITES
SURVEY PATTERN: SPECIFIC SITES
SURVEY SPACING: RANDOM
SEASON: LATE SUMMER PROGRAM LENGTH: SEPT19 - OCT02/75

EQUIPMENT : MAYHEW 500

PENETRATION: AVERAGE 2.0 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: GOOD
TYPE : GRAB, SPLIT SPOON, CRREL, SHELBY
SIZE : APPROX. 50 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY, PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/28 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: CNE73BR MONTH: 1 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : CANADA NORTH ENGINEERING LTD. (UNDERWOOD, MCLELLAND & ASSOCIATES)
JOB NO : CONTACT:
REPORT TITLE: BLACKWATER RIVER BRIDGE, MILE 492 MACKENZIE HIGHWAY NWT, AUG 1974

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.95000	0.00000
LONGITUDE:	0.00000	124.20000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY	BLACKWATER RIVER
NUMBER: C-S1	115-3-66
SCALE : 1:7600000	1:6000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL-STRUCTURAL DESIGN
SCOPE: SPECIFIC SITE
LEVEL: FIELD DRILLING, REVIEW OF EXISTING DATA

SIZE : 19 BOREHOLES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH: 4 DAYS JAN23, 25-27/73

EQUIPMENT : MAYHEW 1000 AND HELIDRILL, SPLIT SPOON

PENETRATION: 5M TO 12M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : APPROX. 1 M
QUALITY: GOOD
TYPE : SPLIT SPOON, GRAB
SIZE : APPROX. 80 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : TESTS FOR SOIL CLASSIFICATION, BORROW MATERIAL EVALUATION
REPORT : FORMAL STRUCTURAL/GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA73SM MONTH: 1 YEAR: 1973

SPONSOR : DEPT OF PUBLIC WORKS OF CANADA
JOB NO : 9305-52-307 CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD
JOB NO : E-517 CONTACT: MR. NEIL MACLEOD
REPORT TITLE: MACKENZIE HIGHWAY GEOTECHNICAL EVALUATION, VOLUME 1, CENTERLINE SUBGRADE CONDITIONS

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	0	0	600000
NORTHING:	7246000	0	0
OR: LATITUDE:	65.33333	65.83300	66.33333
LONGITUDE:	127.00000	127.83300	128.66666

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : FORT GOOD HOPE TO NORMAN WELLS FORT GOOD HOPE TO NORMAN WELLS	

NUMBER: 1-1	1-2 TO 1-5
SCALE : 1:5000000	1:195000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO: N/A	N/A

SOURCE NUMBER(S): 7.054, 7.158, 7.156, 7.047, 7.046, 7.043, 7.157, 7.044, 7.045

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 3KM WIDE CORRIDOR BETWEEN BOSWORTH CREEK & RABBIT SKIN RIVER
LEVEL: EXPLORATION, EVALUATION OF SOIL CONDITIONS, LOCATION OF BORROW, PERMAFROST

SIZE : 803 BHS(RD), 484 BHS(BORROW)
SURVEY PATTERN: LINE (ROAD), IRREGULAR(BORROW)
SURVEY SPACING: IRREGULAR APPROX. 7-11 BHS/KM
SEASON: WINTER PROGRAM LENGTH: 75 DAYS, DEC 4/72-MAR 13/73

EQUIPMENT : 2 DRILL RIGS MOUNTED ON NODWELL RN110S: MAYHEW 500: AIR CIRCULATION ROTARY, MODIFIED C

PENETRATION: 5.5M IN SECTIONS I&II, 2.7M-5.5M IN SECTIONS III, IV, V DEEPER FOR SOME BOREHOLES

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.8M-1.8M IN SECT I, 0.8-2.4M IN SECT II-V, 1.5M FOR BHS
QUALITY: POOR FOR ROCK CORING, SHELBY TUBES, CRREL CORE, GOOD FOR DISTURBED SAMPLES
TYPE : ROCK CORE, SHELBY TUBES, CRREL CORE, BAG
SIZE : NA

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATE CENTERLINE SOIL, BORROW SOURCES, RIVER CROSSINGS, PERMAFROST, SETTLEMENT, SLOPE ST
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : VOLUMES II-XXIII OF SAME REPORT, GSC GRANULAR RESOURCES INVENTORY, HARDY (1986) LOWER MACKENZIE VALLEY

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR/FOOTHILLS PIPELINES
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 88/03 COMPILATION PROJECT NO.: 0306-34395
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA74FGAR

MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : OSR3-0053 CONTACT: BOB GOWAN
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD
JOB NO : E-666 CONTACT: NEIL MACLEOD
REPORT TITLE: GRANULAR MATERIALS INVENTORY, STAGE III V.1, GENERAL REPORT, 1975 APRIL (SPECIFIC SITE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	66.31666	67.30000	68.26666
LONGITUDE:	127.16666	130.50000	133.66666

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT GOOD HOPE TO ARCTIC RED RIVER	FT GOOD HOPE-LITTLE CHICAGO-RED RIVER
NUMBER:	1.1	SOUTH HALF, NORTH HALF
SCALE :	1:1707000	1:250000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S): 1001-1156

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL-150 SITES
LEVEL: EXPLORATION, BORROW INVESTIGATION (GRANULAR AND BEDROCK), REVIEW OF EXISTING DATA

SIZE :

104 BHS, 245 TPS, 17400 KM
SURVEY PATTERN: UP TO 5 BHS PER SITE, IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: PROGRAM LENGTH: 41 DAYS, SEPT-OCT 1974

EQUIPMENT : MOBILE ARCTIC AUGER-CONTINUOUS FLIGHT WITH SEISMIC TYPE AIR CIRCULATING OPTION, HELI-

PENETRATION: 0.9M-5.0M-9.1M FOR BHS, 0.9M FOR TPS

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M-1.5M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION OF BORROW, RECOMMENDATIONS FOR DEVELOPMENT AND RESTORATION
REPORT : FORMAL GEOTECHNICAL, MAPS, ASSESSMENTS, SITE DESCRIPTIONS
DISTRIB: SPONSOR/CONTRACTOR
OTHER : DPW, MVPRL, HARDY, CASSL, CN-CP ARCTIC RAILWAY STUDY GROUP

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR, FOOTHILLS PIPELINES
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/13 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA75PL MONTH: 8 YEAR: 1975

SPONSOR : GULF CANADA RESOURCE LTD.
JOB NO : CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 1-1140 CONTACT: NEIL MACLEOD
REPORT TITLE: PRELIMINARY GEOTECHNICAL EVALUATION PARSONS LAKE GAS PLANT DEVELOPMENT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	553000	560000	567000
NORTHING:	7640000	7646600	7653200
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : PARSONS LAKE	PARSONS LAKE - LOCATION PLAN
NUMBER: 1.1	1.2
SCALE : 1:1000000	1:75000
FORMAT: PAPER	PAPER
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S): 1, 2, 3, 4

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 3 MAIN SITES(PLANT,STAGING,AIRSTRIp)WITHIN 3 POTENTIAL AREAS
LEVEL: AIR PHOTO INTERPRETATION, DRILLING EXPLORATION, DELINEATION, FURTHER ANALYSIS OF

SIZE : RANGER 94 BHs, WIKI 6BHs, 15 SEISM SPRDS
SURVEY PATTERN: GRID BH,61M SPREADS W/3M GEOPHONE SPACNG
SURVEY SPACING: 150M - 300M
SEASON: SUMMER PROGRAM LENGTH: JULY15-AUG17/75

EQUIPMENT : HELI-PORTABLE RANGER DRILL WITH DRY CORE BARREL, SHALLOW-REFRACTION SEISMIC, WINKI

PENETRATION: 1.1M - 4.3M - 12.2M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS CORING
QUALITY: GOOD FOR RANGER DRY CORE, POOR FOR WINKI
TYPE : DRY CORE, WET CORE DIAMOND DRILL
SIZE : 100

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SITE SELECTION, REGIONAL PHYSIOGRAPHY, SURFICIAL GEOLOGY, SITE CONDITIONS, FOUNDATIONS
REPORT : FORMAL GEOTECH. WITH MAPS, BOREHOLE LOGS, GRAINSZ DSTRBTN, GRANULAR MATRLs DVMt, ACCSS
DISTRIB: SPONSOR/CONTRACTOR
OTHER : KLC-AL0447, EBA-1-965.3

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/09 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA75RI

MONTH: 1 YEAR: 1975

SPONSOR : IMPERIAL OIL LTD.

JOB NO : S.O.#135608194 CONTACT: KEN CROASDALE

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 1-1247 CONTACT: NEIL MACLEOD

REPORT TITLE: PRELIMINARY GEOTECHNICAL EVALUATION OF THE TAGLU GAS PLANT SITE, RICHARD'S ISLAND,

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	500675	501788	502900
NORTHING:	7965000	7966000	7967000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND	TAGLU GAS PLANT AREA

NUMBER: A-1

A-3

SCALE : 1:50000

1:10000

FORMAT: PAPER

PAPER

ARCHIV: IN REPORT

IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ONE SITE (GAS PLANT, DRILLING PAD, AIRSTRIIP)

LEVEL: DELINEATION OF STRATIGRAPHY AND GROUND ICE

SIZE : 64 BHs (22 WITH SAND), 4 DYNAMIC CONE

SURVEY PATTERN: IRREGULAR GRID, LINE

SURVEY SPACING: 100M TO 250M

SEASON: WINTER

PROGRAM LENGTH: JAN14 - FEB21/75

EQUIPMENT : MOBILE B-61 DRILL WITH CRREL CORE BARREL

PENETRATION: 2.4M - 8.5M - 15.2M (SILT OVERLYING REL. DEEP SAND (2.4M+))

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.3M TO 1.5M AND CONTINUOUS CORE

QUALITY: GOOD

TYPE : CRREL UNDISTURBED CORE, SPT DISTURBED

SIZE : 773 CORE, 22 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY GROUND ICE

REPORT : FORMAL GEOTECHNICAL, BOREHOLE LOGS, GRAINSIZE CURVES

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/09 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA75R11 MONTH: 4 YEAR: 1975

SPONSOR : IMPERIAL OIL LTD & SHELL CANADA LTD.
JOB NO : 135608194 CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : E-965.1 CONTACT:
REPORT TITLE: PRELIMINARY GEOTECHNICAL EVALUATION BEAUFORT GAS DEVELOPMENT RICHARD'S ISLAND NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	69.33000	69.36500	69.40000
LONGITUDE:	134.90000	135.10000	135.30000

LOCATION:
NAME : RICHARDS ISLAND

GENERAL LOCATION SITE PLAN

NUMBER: FIGURE 1 DRAWINGS A-1 TO A-3
SCALE : 1:350000 1:50000
FORMAT: PAPER COPY AIR PHOTOS
ARCHIV: IN REPORT IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL EVALUATION
SCOPE: REGIONAL PIPELINE ROUTE
LEVEL: AIRPHOTOS, FIELD DRILLING, PREVIOUS REPORTS

SIZE : 61 BOREHOLES
SURVEY PATTERN: CORRIDOR
SURVEY SPACING: 120M TO 300M
SEASON: WINTER PROGRAM LENGTH: 3 MONTHS: JAN - APR/75

EQUIPMENT : CORES, HOLLOW STEM, MOBILE B-61 TRUCK MOUNTED, SOLID STEM

PENETRATION: 6M TO 15M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : CONTINUOUS CORE, SPT, SOLID STEM
QUALITY: GOOD
TYPE : CORED, GRAB, SPT
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : ROUTINE CLASSIFICATION OF SAMPLES
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/19 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA75R12 MONTH: 5 YEAR: 1975

SPONSOR : IMPERIAL OIL LIMITED/ARCTIC PETROLEUM ASSOCIATION
JOB NO : CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 1-965.3 CONTACT: NEIL MACLEOD
REPORT TITLE: YA-YA GRANULAR RESOURCES STUDY, SEPT 1975

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	508415	512342	516270
NORTHING:	7664385	7665630	7666875
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : RICHARD'S ISLAND	YA-YA LAKE - TUNUNUK AREA

NUMBER: FIGURE 1	B-1 TO B-6
SCALE : 1:1000000	1:63000, 10000, 7000, 7000, 7000, 5000
FORMAT: PAPER	PAPER
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GRANULAR GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION

SIZE :	299 BHs
SURVEY PATTERN:	GRID
SURVEY SPACING:	50M TO 100M
SEASON: SPRING	PROGRAM LENGTH: APR19 TO MAY04/75

EQUIPMENT : 10L BECKER, MAYHEW 1000

PENETRATION: 19M MAX., 31M MAX.

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.2M
QUALITY: GOOD
TYPE : GRAB
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CONCRETE AGGREGATE SUITABILITY, VOLUME CALCULATION
REPORT : GRANULAR EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/AINA, U OF C LIBRARY 4TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/11 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: EBA761N MONTH: 7 YEAR: 1976

SPONSOR : DEPT. OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
JOB NO : CONTACT: ROBERT GOWAN
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 1-1537 CONTACT: NEIL MACLEOD
REPORT TITLE: EVALUATION OF POTENTIAL ROCK QUARRIES, ROCKY HILL-CAMPBELL LAKE AREA, NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	68.03000	68.18500	68.34000
LONGITUDE:	133.25000	133.62500	134.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	ROCKY HILL-CAMPBELL LAKE	ROCK QUARRIES (SCALE VARIES)

NUMBER: 1
SCALE : 1:129000 1:
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): 1,2,3,4,5,6,7,8,(STOP 11-A,B,C),9A,9B,10(STOP 10-1 THRU 7),11

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL/GEOLOGICAL
SCOPE: 11 SITES WITH 12 SUB-SITES (20 TOTAL)
LEVEL: FIELD RECONNAISSANCE MAPPING, AIR PHOTO INTERPRETATION

SIZE : 20 SITES/SUB-SITES
SURVEY PATTERN: BANDS PARALLEL TO MACKENZIE HWY/RIVER CH
SURVEY SPACING: 1 TO 6 MILES(1.5KM - 10KM)
SEASON: SUMMER PROGRAM LENGTH: N/A

EQUIPMENT : BRANTON COMPASS(LIKELY FOR DIP/STRIKE), PROSPECTOR'S HAMMER

PENETRATION: SURFICIAL

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : STRATIGRAPHY, GEOLOGICAL STRUCTURE, GLACIATION, WEATHERING, ROCK BORROW, QUARRY GUIDELI
REPORT : FORMAL GEOTECHNICAL WITH MAPS, MOSAICS, PHOTOS, FIELD DESCRIPTIONS
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/09 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA76MD

MONTH: 1 YEAR: 1976

SPONSOR : DIAND
JOB NO : CONTACT: ROBERT GOWAN
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD
JOB NO : 1-1318 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL EVALUATION OF GRANULAR MATERIAL MACKENZIE DELTA AREA MARCH 1976

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	517400	521050	524700
NORTHING:	7640200	7652000	7663800
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE DELTA	DEVIL'S LAKE, LUCAS PT, SWIMMING PT
NUMBER: B-1	C-1, C-2, C-3, C-4, C-5, C-6
SCALE : 1:125000	1:20000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO: N/A	N/A

SOURCE NUMBER(S): DEVIL'S LAKE (326), LUCAS PT (303), SWIMMING PT (222)

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 3 SITES
LEVEL: EVALUATION, DELINEATION OF PROSPECTIVE BORROW SOURCES

SIZE : 3 SOURCES, 185 BHS (44 DETAILED, 141 NOT)
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER PROGRAM LENGTH: 16 DAYS, JAN 19 - FEB. 6

EQUIPMENT : MAYHEW 200 HELI-DRILL ROTARY WITH COMPRESSED AIR, VTM-3 CORE BARREL

PENETRATION: 0.9M-9.5M-11.4M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M-3.0M; SELECTED INTERVALS
QUALITY: GOOD
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : NATURE, EXTENT, THICKNESS OF GRANULAR SOILS FOR FILL AND/OR CONCRETE AGGREGATE PIT DEVELO
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : RIPLEY KLOHN LEONOFF (1973), GSC OF 96(1972), OF 120(1972), MR 23(1963)

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/13 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: EBA78FS MONTH: 3 YEAR: 1978

SPONSOR : STANLEY ASSOCIATES ENGINEERING LTD.
JOB NO : CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 16-2110 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL EVALUATION, FORT SIMPSON, WATER TREATMENT PLANT, MAY 1978

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	586350	0	587870
NORTHING:	6857360	0	6860350
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON - SITE 1	FORT SIMPSON - SITE 2
NUMBER:	A-1	A-2
SCALE :	1:500	1:500
FORMAT:	PAPER	PAPER
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: 2 SITES
LEVEL: EXPLORATORY DRILLING

SIZE : 5 BHS
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER PROGRAM LENGTH: MARCH 6-7, 1978

EQUIPMENT : MOBILE B-61 DRILL WITH HOLLOW STEM AUGERS

PENETRATION: 12.8M-14.9M-19.5M SILT/SAND/GRAVEL

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M-1.5M
QUALITY: GOOD
TYPE : DIST, SPT, SHELBY TUBE
SIZE : 49 DIST, 29 SPT, 23 SHELBY

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, GROUND ICE CONDITIONS, DESIGN AND CONSTRUCTION RECOMMENDATIONS
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA 1-1355, EBA 16-1676

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT EBA DON HAYLEY

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/10 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY :
DATE : UPDATE PROJECT NO.:

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA78NW1 MONTH: 3 YEAR: 1978

SPONSOR : ESSO RESOURCES CANADA LTD
JOB NO : 13-S-634054 CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD
JOB NO : 11-2113 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL INVESTIGATION FOR DRILLING ISLANDS, NORMAN WELLS, NWT, SEPTEMBER 1978

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	594900	598200	601500
NORTHING:	7238000	7240050	7242100
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION: GENERAL LOCATION SITE PLAN
NAME : MACKENZIE RIVER AT NORMAN WELLS
NUMBER: A-1 1:
SCALE : 1:20000
FORMAT:
ARCHIV:
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE:

LEVEL: DELINEATE, PRELIMINARY AND GENERAL FOR RIVER BED, DETAILED FOR POTENTIAL ISLAND SI

SIZE :

12 BHS, 15 DYNAMIC CONE, 3 CROSS-SECTIONS

SURVEY PATTERN: IRREGULAR LINE AND GRID

SURVEY SPACING: IRREGULAR

SEASON: WINTER PROGRAM LENGTH: 9 DAYS, MARCH 11-19

EQUIPMENT : MOBILE B-40 WITH HOLLOW STEM AUGERS, ECHO, ELECTRONIC POSITIONING EQUIPMENT

PENETRATION: 2.0M-8.4M-15.8M(BHS), 2.0-4.1M-6.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M(BH), CONTINUOUS (DC)

QUALITY: GOOD WHEN RECOVERED

TYPE : SPLIT SPOON, SHELBY, DISTURBED, OTHER

SIZE : 17 SPT, 23 SHELBY, 3 DISTURBED, 10 OTHER

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : HYDROLOGY, GEOLOGY, SOIL STRATIGRAPHY & PROPERTIES, SLOPE STABILITY, FILL DESIGN

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/18 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: EBA86R1 MONTH: 3 YEAR: 1986

SPONSOR : INDIAN AND NORTHERN AFFAIRS CANADA
JOB NO : OST85-00413 CONTACT: BOB GOWAN
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 0101-4480 CONTACT: DON W. HAYLEY
REPORT TITLE: GRANULAR RESOURCE EVALUATION, RICHARDS ISLANDS, NWT, DEC 1986

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	504000	526000	549000
NORTHING:	766000	7689000	7719000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND	SOURCE 211, 216 TO 219
NUMBER:	FIGURE 1, FIGURE 2	FIGURES B1 TO J1
SCALE :	1:400000	1:50000
FORMAT:	PAPER	PAPER
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S): 211, 216, 217, 218, 219

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: AIR PHOTO INTERPRETATION; EXPLORATION

SIZE : 1000 SQ KM, 8 SITES, 39 BOREHOLES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: EARLY SPRING PROGRAM LENGTH: MAR15 TO APR4/86

EQUIPMENT : CME750

PENETRATION: 9.5M

RESOLUTION : VERY GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: VERY GOOD
TYPE : 75MM CRREL CORE
SIZE : CONTINUOUS

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION AND PETROGRAPHIC
REPORT : EVALUATION OF GRANULAR MATERIALS
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA78NW1 MONTH: 3 YEAR: 1978

SPONSOR : ESSO RESOURCES CANADA LTD
JOB NO : 13-S-634054 CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD
JOB NO : 11-2113 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL INVESTIGATION FOR DRILLING ISLANDS, NORMAN WELLS, NWT, SEPTEMBER 1978

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	594900	598200	601500
NORTHING:	7238000	7240050	7242100
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE RIVER AT NORMAN WELLS	
NUMBER:	A-1	1:
SCALE :	1:20000	
FORMAT:		
ARCHIV:		
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE:

LEVEL: DELINEATE, PRELIMINARY AND GENERAL FOR RIVER BED, DETAILED FOR POTENTIAL ISLAND SI

SIZE :

12 BHS, 15 DYNAMIC CONE, 3 CROSS-SECTIONS

SURVEY PATTERN: IRREGULAR LINE AND GRID

SURVEY SPACING: IRREGULAR

SEASON: WINTER PROGRAM LENGTH: 9 DAYS, MARCH 11-19

EQUIPMENT : MOBILE B-40 WITH HOLLOW STEM AUGERS, ECHO, ELECTRONIC POSITIONING EQUIPMENT

PENETRATION: 2.0M-8.4M-15.8M(BHS), 2.0-4.1M-6.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M(BH), CONTINUOUS (DC)

QUALITY: GOOD WHEN RECOVERED

TYPE : SPLIT SPOON, SHELBY, DISTURBED, OTHER

SIZE : 17 SPT, 23 SHELBY, 3 DISTURBED, 10 OTHER

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : HYDROLOGY, GEOLOGY, SOIL STRATIGRAPHY & PROPERTIES, SLOPE STABILITY, FILL DESIGN

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/18 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: EBA86RI MONTH: 3 YEAR: 1986

SPONSOR : INDIAN AND NORTHERN AFFAIRS CANADA
JOB NO : OST85-00413 CONTACT: BOB GOWAN
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 0101-4480 CONTACT: DON W. HAYLEY
REPORT TITLE: GRANULAR RESOURCE EVALUATION, RICHARDS ISLANDS, NWT, DEC 1986

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	504000	526000	549000
NORTHING:	7660000	7689000	7719000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND	SOURCE 211, 216 TO 219
NUMBER:	FIGURE 1, FIGURE 2	FIGURES B1 TO J1
SCALE :	1:400000	1:50000
FORMAT:	PAPER	PAPER
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S): 211, 216, 217, 218, 219

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: AIR PHOTO INTERPRETATION; EXPLORATION

SIZE : 1000 SQ KM, 8 SITES, 39 BOREHOLES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: EARLY SPRING PROGRAM LENGTH: MAR15 TO APR4/86

EQUIPMENT : CME750

PENETRATION: 9.5M

RESOLUTION : VERY GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: VERY GOOD
TYPE : 75MM CRREL CORE
SIZE : CONTINUOUS

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION AND PETROGRAPHIC
REPORT : EVALUATION OF GRANULAR MATERIALS
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA78NW1 MONTH: 3 YEAR: 1978

SPONSOR : ESSO RESOURCES CANADA LTD
JOB NO : 13-S-634054 CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD
JOB NO : 11-2113 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL INVESTIGATION FOR DRILLING ISLANDS,NORMAN WELLS,NWT,SEPTEMBER 1978

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	594900	598200	601500
NORTHING:	7238000	7240050	7242100
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION: GENERAL LOCATION SITE PLAN

NAME : MACKENZIE RIVER AT NORMAN WELLS

NUMBER: A-1 1:

SCALE : 1:20000

FORMAT:

ARCHIV:

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE:

LEVEL: DELINEATE,PRELIMINARY AND GENERAL FOR RIVER BED,DETAILED FOR POTENTIAL ISLAND SI

SIZE :

12 BHS,15 DYNAMIC CONE,3 CROSS-SECTIONS

SURVEY PATTERN: IRREGULAR LINE AND GRID

SURVEY SPACING: IRREGULAR

SEASON: WINTER PROGRAM LENGTH: 9 DAYS,MARCH 11-19

EQUIPMENT : MOBILE B-40 WITH HOLLOW STEM AUGERS,ECHO,ELECTRONIC POSITIONING EQUIPMENT

PENETRATION: 2.0M-8.4M-15.8M(BHS),2.0-4.1M-6.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M(BH),CONTINUOUS (DC)

QUALITY: GOOD WHEN RECOVERED

TYPE : SPLIT SPOON,SHELBY,DISTURBED,OTHER

SIZE : 17 SPT,23 SHELBY,3 DISTURBED,10 OTHER

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : HYDROLOGY,GEOLOGY,SOIL STRATIGRAPHY & PROPERTIES,SLOPE STABILITY, FILL DESIGN

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/18 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA78NW2 MONTH: 6 YEAR: 1978

SPONSOR : M.M. DILLON LTD.
JOB NO : CONTACT:
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 11-2137 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL INVESTIGATION FOR SEWAGE TREATMENT PLANT AND OUTFALL LINE, NORMAN WEL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	600500	600840	601180
NORTHING:	7240000	7240650	7241300
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	NORMAN WELLS, SITE PLAN AND RIVER SOUNDNG	BOSWORTH CREEK PUMPHOUSE AREA
NUMBER:	A1	A-2
SCALE :	1:5590	1:
FORMAT: PAPER		PAPER
ARCHIV: IN REPORT		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL, BATHYMETRIC
SCOPE: 2 SITES
LEVEL: EXPLORATION DRILLING AND SOUNDING

SIZE :
12 BOREHOLES (5 HAVE SAND)
SURVEY PATTERN: 2 LINES OF BOREHOLES, 4 BATHYMETRIC LINE
SURVEY SPACING: IRREGULAR
SEASON: SUMMER PROGRAM LENGTH: JN21-25:GEOT, JL13-14:BATHY MET

EQUIPMENT : TRUCK MOUNTED MAYHEW 1000 DRILL RIG WITH AUGER AND MODIFIED COREBRL DIG.ECHO SOUND

PENETRATION: 4.6M - 7.2M - 8.6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.3M -1.5M WHEN TAKEN, CONTINUOUS IF CORED
QUALITY: GOOD
TYPE : DISTURBED BULK, CORE
SIZE : 8 CORE, 39 BULK

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY, PERMAFROST, PILE DESIGN, OUTFALL AND PLANT DESIGN RECOMMENDATIONS
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA-APRIL/78-SEWAGE OUTFALL LINE, NORMAN WELLS, M.M. DILLON(16 BHs),DPW52852-7-73
DPW85078,P22-2,6BH

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/10 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA80KL MONTH: 7 YEAR: 1980

SPONSOR : NORTHWEST TELECOMMUNICATIONS LTD.
JOB NO : CONTACT:

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 106-2958 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL EVALUATION, PROPOSED MICROWAVE TOWERS, HEART LAKE AND KAKISA LAKE, NW

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	477550	477560	477570
NORTHING:	6755800	6755825	6755850
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : KAKISA LAKE

SITE PLAN

NUMBER: A-1
SCALE : 1:0
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO:

1:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: 3 SITES (1 RELEVANT TO MACKENZIE VALLEY)
LEVEL: EXPLORATORY DRILLING

SIZE : 4 BHS
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER

PROGRAM LENGTH: JULY 13, 1980

EQUIPMENT : MAYHEW 1000 WET ROTARY DRILL

PENETRATION: 2.1M-3.6M-6.1M SAND/GRAVEL/BEDROCK

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5-3.0M
QUALITY: GOOD
TYPE : SPT, SHELBY
SIZE : 6 SPT, 1 SHELBY

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL/ROCK STRATIGRAPHY, FOOTING/ANCHOR RECOMMENDATIONS
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HOSTARD, IMPEY, WELTER FILE #801018

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : PROPRIETARY, CONTACT EBA RICHARD TRIMBLE

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/10 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY :
DATE : UPDATE PROJECT NO.:

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EBA86R1 MONTH: 3 YEAR: 1986

SPONSOR : INDIAN AND NORTHERN AFFAIRS CANADA
JOB NO : OST85-00413 CONTACT: BOB GOWAN
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 0101-4480 CONTACT: DON W. HAYLEY
REPORT TITLE: GRANULAR RESOURCE EVALUATION, RICHARDS ISLANDS, NWT, DEC 1986

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	504000	526000	549000
NORTHING:	7660000	7689000	7719000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND	SOURCE 211, 216 TO 219
NUMBER:	FIGURE 1, FIGURE 2	FIGURES B1 TO J1
SCALE :	1:400000	1:50000
FORMAT:	PAPER	PAPER
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S): 211, 216, 217, 218, 219

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: AIR PHOTO INTERPRETATION; EXPLORATION

SIZE : 1000 SQ KM, 8 SITES, 39 BOREHOLES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: EARLY SPRING PROGRAM LENGTH: MAR15 TO APR4/86

EQUIPMENT : CME750

PENETRATION: 9.5M

RESOLUTION : VERY GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: VERY GOOD
TYPE : 75MM CRREL CORE
SIZE : CONTINUOUS

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION AND PETROGRAPHIC
REPORT : EVALUATION OF GRANULAR MATERIALS
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EWB71MV MONTH: 7 YEAR: 1971

SPONSOR : GAS ARCTIC SYSTEMS
JOB NO : CONTACT:
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: TERRAIN STUDY PROPOSED NORTHERN GAS PIPELINE: V1 SANS SAULT TO AK BDR; V2 SANS SAU

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	7	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	66.80000	68.15000	69.50000
LONGITUDE:	133.20000	137.10000	141.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	
NUMBER:	F-0098-12	
SCALE : 1:0	1:250000	
FORMAT:	FOLDED BLUELINE	
ARCHIV:	IN REPORT	
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: PIPELINE ROUTE
LEVEL: AIR PHOTO INTERPRETATION, RECONNAISSANCE, FIELD DRILLING

SIZE : 173 BOREHOLES OVER 1000 KM
SURVEY PATTERN: CORRIDOR
SURVEY SPACING: 3.5 MILES/BOREHOLE AVERAGE
SEASON: SUMMER PROGRAM LENGTH: 2 MONTHS, JUN13-JUL31/71

EQUIPMENT : ARCTIC AUGER, BELL 204B HELICOPTER

PENETRATION: 6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : N/A: VOL. 5 MISSING
QUALITY: GOOD
TYPE : CRREL, GRAB
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPARTMENT

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: EWB71PM MONTH: 10 YEAR: 1971

SPONSOR : L.G. GRIMBLE & ASSOCIATES
JOB NO : CONTACT:
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES
JOB NO : E-379 CONTACT: NEIL MACLEOD
REPORT TITLE: PIPELING BUOYANCY STUDY AT AMOCO GAS PLANT IN POINTED MOUNTAIN, NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	60.35000	60.40000	60.45000
LONGITUDE:	123.75000	123.82500	123.90000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	POINTED MOUNTAIN	POINTED MOUNTAIN
NUMBER: 1 (A-2 TO PLANT)		6(A-1 TO PLANT)
SCALE : 1:6000		1:6000
FORMAT: PAPER COPY		
ARCHIV: IN REPORT		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 2 PIPELINE ALIGNMENTS
LEVEL: EXPLORATION DRILLING

SIZE : 25 BOREHOLES (11 HAVE SAND)
SURVEY PATTERN:
SURVEY SPACING: APPROX. 360M
SEASON: FALL PROGRAM LENGTH: OCT 27-31/71

EQUIPMENT : POSTHOLE AUGER, POWER AUGER

PENETRATION: 0.6M - 1.5M - 1.8M, SILT/SAND, CLASS 4

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1 PER BH EXCEPT FOR MATERIAL CHANGES
QUALITY: FAIR
TYPE : DISTURBED BULK
SIZE : 16 BULK (SHOWN AS TESTED)

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, WATER TABLE DEPTHS, CONSTRUCTION RECOMMENDATIONS
REPORT : FORMAL GEOTECHNICAL WITH AIR PHOTO MOSAICS, BOREHOLE LOGS, GRAINSIZE CURVES
DISTRIB: SPONSOR/CONTRACTOR/AMOCO
OTHER : EBA: E-310, E-399, E-442

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/AMOCO
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/10 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EWB72FS MONTH: 9 YEAR: 1972

SPONSOR : GAS ARCTIC/NORTHWEST PROJECT STUDY GROUP
JOB NO : CONTACT:
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : E-507 CONTACT: DON HAYLEY
REPORT TITLE: GEOTECHNICAL REPORT, TERRAIN INVESTIGATION FORT SIMPSON AREA, NOV 1972

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	11
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	60.00000	61.37500	62.75000
LONGITUDE:	118.83000	121.00000	123.17000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : FORT SIMPSON AREA	WILLOWLAKE R.- LIARD R.-NWT/ALTA BORDER
NUMBER: FIGURE 1	E507-1, E507-2
SCALE : 1:3000000	1:250000
FORMAT: PAPER COPY	PAPER
ARCHIV: IN REPORT	IN REPORT
DIG NO:	
SOURCE NUMBER(S):	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: RECONNAISSANCE

SIZE :

SURVEY PATTERN: 5 BH GRANULAR, 64 BH TOTAL
SURVEY SPACING: LINE
SEASON: 6.4-12.9 KM

SUMMER

PROGRAM LENGTH: AUG29-SEPT07/72

EQUIPMENT :

LIGHT WEIGHT RANGER RIG

PENETRATION:

0.9M-5.0M-7.3M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SAMPLES AT 0.6M INTERVALS
QUALITY: DISTURBED
TYPE : GRAB
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : ROUTINE CLASSIFICATION TESTING
REPORT : GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GSC LIBRARY STORAGE(CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/10 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EW872INPL

MONTH: 4 YEAR: 1972

SPONSOR : THE GAS ARCTIC SYSTEM STUDY GROUP
JOB NO : W.A. NO.AC-1801 CONTACT: MR. N. GELLIBRAND
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUBSURFACE DATA NCPC ROUTE INUVIK TO PARSONS LAKE NWT AND APPENDIX D TERRAIN DATA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	552000	557500	563000
NORTHING:	7583000	7620000	7657000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : INUVIK TO PARSONS LAKE

SITE PLAN

NUMBER:
SCALE : 1:50000 1:
FORMAT: FOLDED BLUELINE
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ALIGNMENT
LEVEL: FIELD DRILLING

SIZE : 130 BOREHOLES, 72KM
SURVEY PATTERN: LINE
SURVEY SPACING: 3 BH/MILE
SEASON: WINTER PROGRAM LENGTH: FEB23 TO APR07/72

EQUIPMENT : TEXOMA EARTH AUGER 330 AND 500

PENETRATION: 2M - 3M

RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : EVERY 2ND BH AT 2 FOOT INTERVALS
QUALITY: N/A
TYPE : GRAB
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STANDARD CLASSIFICATION TESTING
REPORT : FIELD INVESTIGATION DETAILS, BH LOGS AND LABORATORY DATA
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA, U OF C LIBRARY 11 FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: EWB72R11 MONTH: 6 YEAR: 1972

SPONSOR : IMPERIAL OIL LIMITED
JOB NO : 13864643 CONTACT: J.R. MCDOUGALL
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : E-471 CONTACT: DON HAYLEY
REPORT TITLE: DOCKING FACILITY BAR C (TUNUNUK) NWT, AUG 1972

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	8	0
EASTING:	0	513250	0
NORTHING:	0	7654500	0
OR: LATITUDE:	0.00000	69.00000	0.00000
LONGITUDE:	0.00000	134.67000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND (TUNUNUK)	SITE PLAN & BOREHOLE LOCATIONS
NUMBER:		A-1
SCALE : 1:0		1:N/A
FORMAT:		PAPER
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SITE SPECIFIC
LEVEL: EXPLORATORY DRILLING

SIZE : 6 BOREHOLES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: SUMMER

PROGRAM LENGTH: 2 DAYS, JUN26, 27/72

EQUIPMENT : HELIDRILL

PENETRATION: 10.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.6M TO 1.5M
QUALITY: GOOD
TYPE : BARREL, GRAB
SIZE : 56 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CLASSIFICATION TESTING, DESIGN RECOMMENDATIONS
REPORT : GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/15 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EWB72R12

MONTH: 10 YEAR: 1972

SPONSOR : IMPERIAL OIL LTD.
JOB NO : SO#135-75950 CONTACT: KEN CROASDALE
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES
JOB NO : E-520 CONTACT: NEIL MACLEOD
REPORT TITLE: GEOTECHNICAL EVALUATION, DRILLING AT TAGLU G-33

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	503075	503263	503450
NORTHING:	7965400	7965600	7965800
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : TAGLU G-33 SITE PLAN

SITE PLAN

NUMBER: 1
SCALE : 1:2400 1:
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: DELINEATION, EXPLORATION DRILLING

SIZE : 13 BOREHOLES
SURVEY PATTERN: LINE WITH SOME OFFSETS
SURVEY SPACING: 3M TO 200M
SEASON: FALL PROGRAM LENGTH: 8 DAYS

EQUIPMENT : MOBILE RANGER 2 DRILL WITH HEXCOR AUGER, CRREL CORE

PENETRATION: 1.5M - 10.3M - 12.3M SILT

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: GOOD
TYPE : CRREL CORE
SIZE : 79 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY AND GROUND ICE CONDITIONS
REPORT : PRELIMINARY GEOTECHNICAL REPORT, DATA REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA 1-1247 FOR LOCATION SITE PLAN

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/09 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EWB72RISS MONTH: 7 YEAR: 1972

SPONSOR : GAS ARCTIC-NORTHWEST PROJECT STUDY GROUP
JOB NO : CONTACT:
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: GEOTECHNICAL REPORT TERRAIN INVESTIGATION-PROPOSED ARCTIC GAS PIPELINE ROUTES RICH

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.60000	66.80000	68.00000
LONGITUDE:	127.75000	130.75000	133.75000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE VALLEY	PIPELINE ROUTE
NUMBER: FIGURE 1	E-476-1 TO 4
SCALE : 1:0	1:250000
FORMAT: PAPER COPY	FOLDED BLUE LINE
ARCHIV: IN REPORT	IN REPORT VOL. 1
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: ALIGNMENTS
LEVEL: AIR PHOTO INTERPRETATION, FIELD DRILLING

SIZE : 170 BOREHOLES OVER 884 KM
SURVEY PATTERN: LINE
SURVEY SPACING: 1 BH EVERY 6 KM
SEASON: SUMMER PROGRAM LENGTH: 36 DAYS JUL15 - AUG20/72

EQUIPMENT : RANGER 1 (HELIDRILL)

PENETRATION: 5 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.6 M INTERVALS
QUALITY: GOOD
TYPE : DRY CORE, GRAB, CRREL
SIZE : APPROX 200 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : TESTS FOR SOIL CLASSIFICATION, SOIL STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EWB73FS1

MONTH: 2 YEAR: 1973

SPONSOR : MILTON HOLDINGS LTD.

JOB NO : CONTACT:

CONTRACTOR : E.W. BROOKER AND ASSOCIATES LTD.

JOB NO : E-571 CONTACT: DON HAYLEY

REPORT TITLE: GEOTECHNICAL EVALUATION, APARTMENT COMPLEX, FORT SIMPSON, NWT, MARCH 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	586260	586340	586420
NORTHING:	6859890	6859955	6860020
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : FORT SIMPSON

NUMBER: A-1

SCALE : 1:1200

1:

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ONE SITE

LEVEL: EXPLORATORY DRILLING

SIZE : 5 BHS

SURVEY PATTERN: IRREGULAR GRID

SURVEY SPACING: 23 M TO 61 M

SEASON: WINTER

PROGRAM LENGTH: FEB 26-27, 1973

EQUIPMENT : MOBILE AUGER B40 DRILL

PENETRATION: 6.1M - 8.0M - 10.1 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.3M - 0.6M FOR DIST, 1.5M FOR SPT

QUALITY: GOOD

TYPE : DIST, SPT

SIZE : 9 SPT, 59 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, GROUND ICE CONDITIONS, DESIGN AND CONSTRUCTION RECOMMENDATIONS

REPORT : FORMAL GEOTECHNICAL REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA

DATE : 92/03/10

COMPILATION PROJECT NO.: 0101-10902

UPDATED BY :

DATE :

UPDATE PROJECT NO.:

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: EWB73FS2 MONTH: 2 YEAR: 1973

SPONSOR : MILTON HOLDINGS LTD.
JOB NO : CONTACT:
CONTRACTOR : E.W. BROOKER AND ASSOCIATES LTD.
JOB NO : E-570 CONTACT: DON HAYLEY
REPORT TITLE: SITE INVESTIGATION, OFFICE BUILDING, FORT SIMPSON, NWT, MARCH 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	586700	586720	586740
NORTHING:	6859540	6859550	6859570
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON	

NUMBER: A-1
SCALE : 1:610 1:
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: 1 SITE
LEVEL: EXPLORATORY DRILLING

SIZE : 3 BHS
SURVEY PATTERN: LINE
SURVEY SPACING: 18-21M
SEASON: WINTER PROGRAM LENGTH: FEB 21-26, 1973

EQUIPMENT : MOBILE AUGER B40 DRILL WITH AUGER AND MODIFIED CRREL CORE BARREL

PENETRATION: 6.9M-8.4M-10.4M SILT/SAND/GRAVEL

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.3M-0.6M
QUALITY: GOOD
TYPE : CORE, DIST, SPT
SIZE : 39 CORE, 9 DIST, 1 SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY, GROUND ICE CONDITIONS, DESIGN AND CONSTRUCTION RECOMMENDATIONS
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/10 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY :
DATE : UPDATE PROJECT NO.:

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: EWB73R1 MONTH: 1 YEAR: 1973

SPONSOR : IMPERIAL OIL LIMITED
JOB NO : CONTACT: J.R. MCDOUGALL
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : E-471 CONTACT: DON HAYLEY
REPORT TITLE: DOCKING FACILITY - BAR C, MARCH 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	8	0
EASTING:	0	513250	0
NORTHING:	0	7654500	0
OR: LATITUDE:	0.00000	69.00000	0.00000
LONGITUDE:	0.00000	134.67000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND (TUNUNUK)	SITE PLAN
NUMBER:		471-A1
SCALE : 1:0		1:2435
FORMAT:		PAPER
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SITE SPECIFIC
LEVEL: DESIGN RECOMMENDATIONS, EXPLORATION

SIZE : 4 BOREHOLES
SURVEY PATTERN: LINE
SURVEY SPACING: N/A
SEASON: WINTER PROGRAM LENGTH: 1 DAY JAN10/73

EQUIPMENT : RANGER RIG

PENETRATION: 8.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : COMPOSITE 0 TO 3.8M
QUALITY: FAIR
TYPE : GRAB
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CLASSIFICATION/PROCTOR
REPORT : GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/14 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: EWB73RITK MONTH: 1 YEAR: 1973

SPONSOR : IMPERIAL OIL LIMITED
JOB NO : CONTACT:
CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.
JOB NO : E-559 CONTACT: DON W. HAYLEY
REPORT TITLE: GEOTECHNICAL EVALUATION OF PROPOSED TANK FARM SITES AT BAR C AND TUKTOYAKTUK NWT,

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	513250	546625	580000
NORTHING:	7654500	7679000	7703500
OR: LATITUDE:	69.00000	0.00000	64.46700
LONGITUDE:	134.67000	0.00000	133.33000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND, TUKTOYAKTUK	BAR C (TUNUNUK PT) TUKTOYAKTUK

NUMBER:	A-1, A-2, A-5, A-12, A-8
SCALE : 1:0	1:2400, 500, N/A, 2400, 1000
FORMAT:	PAPER
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS: TUKTOYAKTUK LOCATION AT IOL BASE CAMP

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: 2 SITES
LEVEL: EXPLORATION & GEOTECHNICAL EVALUATION

SIZE :	2 SITES, 32 BOREHOLES
SURVEY PATTERN:	RANDOM
SURVEY SPACING:	VARIOUS
SEASON: WINTER	PROGRAM LENGTH: JAN 6 TO 16/73

EQUIPMENT : RANGER

PENETRATION: 3.6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIOUS
QUALITY: GOOD
TYPE : 75MM CRREL CORE, GRAB
SIZE : 84 CRREL, 53 GRAB

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: EWB73TK

MONTH: 4 YEAR: 1973

SPONSOR : IMPERIAL OIL LTD.

JOB NO : 13597179

CONTACT: J.J.A.DEJONG

CONTRACTOR : ELMER W. BROOKER & ASSOCIATES LTD.

JOB NO : E-604

CONTACT: DON W. HAYLEY

REPORT TITLE: EVALUATION OF OFFSHORE BORROW RESOURCES AND INVESTIGATION OF A PROPOSED AIRSTRIP S

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577250	580375	583500
NORTHING:	7701000	7703375	7705750
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK

AIRSTRIP "C"

NUMBER: A-1

A-2

SCALE : 1:24000

1:5000

FORMAT: PAPER

PAPER

ARCHIV: IN REPORT

IN REPORT

DIG NO:

SOURCE NUMBER(S): I, II, III

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION; PRELIMINARY DESIGN RECOMMENDATIONS

SIZE : 3 BORROW/55 BHs, 1 AIRSTRIP/24 BHs

SURVEY PATTERN: GRID, LINE

SURVEY SPACING: VARIABLE, VARIABLE

SEASON: SPRING

PROGRAM LENGTH: APR13 TO 24/73

EQUIPMENT : MAYHEW 1000 ROTARY

PENETRATION: 28M, 18M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M

QUALITY: DISTURBED

TYPE : CYCLONE COLLECTED CUTTINGS

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION

REPORT : BORROW EVALUATION; PRELIM RECOMMENDATIONS

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/14 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY: EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: GSC71MVTG MONTH: 7 YEAR: 1971

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : CONTACT:
REPORT TITLE: MACKENZIE HIGHWAY SOILS SURVEY, MILE 891.8 TO MILE 931.5 (TWO VOLUMES), DRAWINGS D

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	67.50000	67.65000	67.80000
LONGITUDE:	133.70000	133.80000	133.90000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	MACKENZIE HIGHWAY ROUTE

NUMBER:	
SCALE : 1:0	1:50000
FORMAT:	FOLDED BLUELINE
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: HIGHWAY ROUTE
LEVEL: AIR PHOTO, FIELD DRILLING

SIZE :	289 BOREHOLES
SURVEY PATTERN:	CORRIDOR
SURVEY SPACING:	RANDOM
SEASON: N/A	PROGRAM LENGTH: N/A

EQUIPMENT : N/A

PENETRATION: 3 TO 6 M

RESOLUTION : POOR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : TEST FOR SOIL CLASSIFICATION
REPORT : PRESENTATION OF DATA
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: GSC72MVTG MONTH: 3 YEAR: 1972

SPONSOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : PAPER 74-01 CONTACT:
CONTRACTOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : 710020 CONTACT: O. HUGHES
REPORT TITLE: SURFICIAL GEOLOGY & LAND CLASSIFICATION MACKENZIE VALLEY TRANSPORTATION CORRIDOR

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.00000	66.50000	68.00000
LONGITUDE:	124.00000	129.50000	135.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY TRANSPORTATION CORRIDOR	CANOT L, MAHONY L, GREAT BEAR R, BATHING L
NUMBER:		FIG. 3
SCALE : 1:0		1:
FORMAT:		
ARCHIV:		GSC
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL, 2 AREAS
LEVEL: INVENTORY/EXPLORATION OF SURFICIAL GEOLOGY & PERMAFROST (CONTINUATION OF 1971-72)

SIZE :
44 BHS(OLD CROW YK & BATHING LAKE, NWT)

SURVEY PATTERN: N/A
SURVEY SPACING: N/A
SEASON: N/A PROGRAM LENGTH: N/A

EQUIPMENT : HAYNES EARTH DRILL WITH MODIFIED CRREL CORE BARREL, GW-15 WINKIE DRILL WITH DRILL FL

PENETRATION: 9M MAXIMUM

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.9M LENGTHS OF CORE
QUALITY: GENERALLY GOOD 85% RECOVERY
TYPE : CORE
SIZE : NA

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SURFICIAL GEOLOGY
REPORT : FORMAL PAPER
DISTRIB: SPONSOR/CONTRACTOR
OTHER : GSC PROJECT 710047, PAPER 72-01A(P165,166), PAPER 73-01A(P229,230)

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/14 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: GSC73MV4

MONTH: 0

YEAR: 1973

SPONSOR : GEOLOGICAL SURVEY OF CANADA

JOB NO : 74-01A, P.285 CONTACT:

CONTRACTOR : GEOLOGICAL SURVEY OF CANADA

JOB NO : 710047 CONTACT: N.W. RUTTER

REPORT TITLE: SURFICIAL GEOLOGY & LAND CLASS, MACKENZIE VALLEY TRANSPORTATION CORRIDOR (85D,E,95A)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.00000	63.50000	66.00000
LONGITUDE:	122.00000	125.00000	128.00000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE VALLEY
TRANSPORTATION CORRIDOR

SITE PLAN
SIBBESTON LAKE, DAHADINNI R, NORMAN
WELLS

NUMBER:

95G, 95N, 96E

SCALE : 1:0

1:N/A

FORMAT:

PAPER COPY

ARCHIV:

GSC

DIG NO:

N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOLOGICAL, GEOTECHNICAL

SCOPE: REGIONAL, 6 SECTIONS, 3 SITES

LEVEL: AIR PHOTO INTER., RECON

SIZE :

6 CHS IN 3 SITES

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: SUMMER

PROGRAM LENGTH: 3 MONTHS

EQUIPMENT : MAYHEW 1000 ROTARY, CORE BARRELS

PENETRATION: N/A

RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : MAPPING OF QUATERNARY DEPOSITS & GEOMORPHOLOGY-SOILS, VEGETATION, PERMAFROST

REPORT : PAPER

DISTRIB: SPONSOR/CONTRACTOR

OTHER : GSC 74-01A P275-278, 72-01A P178, 73-01A P239-241, 95H OF MAP

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/14 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31

UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: GSC73SM4 MONTH: 7 YEAR: 1973

SPONSOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : 74-1A,P 279 CONTACT:
CONTRACTOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : 710077 CONTACT: KURFURST
REPORT TITLE: TERRAIN SENSITIVITY EVALUATION AND MAPPING, MACKENZIE VALLEY TRANSPORTATION CORRID

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.75000	64.14200	66.33333
LONGITUDE:	121.41666	125.00000	128.58333

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON TO FORT GOOD HOPE	

NUMBER:
SCALE : 1:0 1:
FORMAT:
ARCHIV:
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL-7 SITES
LEVEL: INVESTIGATE,EVALUATE,CORRELATE WITH GEOPHYSICAL,TERRAIN RATING SYSTEMS & PERMAFR

SIZE : 60 BHS (1973),7 BHS (1972)
SURVEY PATTERN: IRREGULAR ALONG HWY CL,SOME ADJ TO CL
SURVEY SPACING: NA
SEASON: SUMMER PROGRAM LENGTH: 8 WKS,JUNE-AUG 1973

EQUIPMENT : NA

PENETRATION: 2-6M (SANDS,SILTS,CLAYS-F.S.;TILL-NORMAN WELLS & FGH,SHALE,BEDROCK)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY: FAIR
TYPE : DISTURBED
SIZE : 400 UNFROZEN CHIP SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION,PERMAFROST/GROUND ICE CONTENT,CORRELATE WITH SEISMIC AND ELECTRIC D
REPORT : BRIEF PAPER
DISTRIB: SPONSOR/CONTRACTOR
OTHER : 72-01A,P145,146,73-01A P226-229,74-01A P281,72-01B,P113

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/14 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: GSC79MDTP MONTH: 8 YEAR: 1979

SPONSOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : PPR84-1A,P633 CONTACT:
CONTRACTOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : 720101 CONTACT: M. LAWRENCE
REPORT TITLE: SEDIMENT SAMPLING OF BEACHES ALONG THE MACKENZIE DELTA AND TUKTOYAKTUK PENINSULA,B

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	68.50000	69.50000	70.50000
LONGITUDE:	129.00000	133.00000	137.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE DELTA & TUKTOYAKTUK PENINSULA	HOOPER, PULLEN IS, MACK DELTA(2 SITES)
NUMBER:	FIG. 1	FIG. 2
SCALE :	1:1739000	1:N/A
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOLOGICAL/GEOTECHNICAL
SCOPE: REGIONAL: 54 BEACHES, 16 BEACHES @ 46 SITES
LEVEL: RECON OF 54 BEACHES, SAMPLING OF 16 REPRESENTATIVE BEACHES @ 46 SITES

SIZE :

46 SAMPLE SITES
SURVEY PATTERN: IRREGULAR-GRID AT EACH LOCATION
SURVEY SPACING: 1M
SEASON: SUMMER PROGRAM LENGTH: JULY-SEPT 1979-80

EQUIPMENT : HAND SCOOPS FROM 5 SECTORS WITHIN GRIDS

PENETRATION: 0.1M (SAND, GRAVEL, LITTLE FINES)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 51M
QUALITY: GOOD
TYPE : DISTURBED
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SEDIMENT TRANSPORT, EFFECTS OF USE FOR CONSTRUCTION
REPORT : FORMAL PAPER
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TR25B(1975), GSC PPR80-113 P75-87, J. MARINE TECH V12, P18-27(1978), TR24 1975, TR25A(1975), GSC OF 191

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: GSC84SM MONTH: 3 YEAR: 1985

SPONSOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : CONTACT:

CONTRACTOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : OFR 2044 CONTACT: J. PILON
REPORT TITLE: NORMAN WELLS TO ZAMA OIL PIPELINE PERMAFROST AND TERRAIN RESEARCH AND MONITORING P

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	10	11
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	59.00000	62.37500	65.75000
LONGITUDE:	119.00000	123.00000	127.00000

LOCATION:

GENERAL LOCATION
NAME : NORMAN WELLS TO ZAMA

SITE PLAN

NUMBER: FIG. 2
SCALE : 1:9090900 1:
FORMAT: PAPER COPY
ARCHIV: GSC
DIG NO: N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL, GEOPHYSICAL, GEOTHERMAL
SCOPE: 13 SITES
LEVEL: MONITORING PERMAFROST

SIZE : 13 SITES, 25 LOC, 79 INSTRU CABLES, 100 BHS
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER

PROGRAM LENGTH: FEB29-MAR22/84, FEB16-MAR9/85

EQUIPMENT : 2 MOBILE AUGER SUPER B-61, 1 FAILING 2000, AIR TRACK DRILL, CRREL CORING APPARATUS, TDR

PENETRATION: TDR-2M, GPR-10M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 1984, 2-7 SAMPLES PER LITHOLOGICAL UNIT, 1985, CONT CORE-GEOPH
QUALITY: NA
TYPE : CORE, SHELBY TUBES, GRAB, PHOTOS
SIZE : NA

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SITE SELECTION, INSTRUMENTATION DATA RESULTS, CONSTRUCTION OBSERVATION, ASSESSMENT OF CHAN
REPORT : FORMAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HARDY (1984, 85, 82)

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: GSC91MV MONTH: 0 YEAR: 1991

SPONSOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : CONTACT:
CONTRACTOR : GEOLOGICAL SURVEY OF CANADA
JOB NO : 710020 CONTACT: A. DUK-RODIN, O. HUGHES
REPORT TITLE: TERRAIN EVALUATION OF THE MACKENZIE VALLEY TRANSPORTATION CORRIDOR

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.00000	67.00000	69.00000
LONGITUDE:	126.00000	131.00000	136.00000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE VALLEY

SITE PLAN

NUMBER:	106M,N,O,P,L,K,J,I,H,G,096E,096D
SCALE : 1:0	1:250000
FORMAT:	PAPER COPY
ARCHIV:	GSC
DIG NO:	N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOLOGICAL,GT
SCOPE: 12 REGIONS,(10 IN PRESS,2 IN CRITICAL READING),2 FIELD WORK
LEVEL: PHOTO INTERP.,REVIEW OF BH DATA,FIELD CHECKING,VISUAL OBSERVATION OF EXPOSURES

SIZE :

SURVEY PATTERN:

SURVEY SPACING:

SEASON: SUMMER

PROGRAM LENGTH: N/A

EQUIPMENT : N/A

PENETRATION: N/A

RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : GLACIAL HISTORY,GT DATA,STRATIGRAPHY

REPORT : MAPS & LEGENDS,REPORT FOR EACH MAP AREA

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: HAL81NW1 MONTH: 9 YEAR: 1981

SPONSOR : INTERPROVINCIAL PIPE LINES (NW) LTD.
JOB NO : NW-83-787 CONTACT: ROBERT MAYNE
CONTRACTOR : HARDY BBT LTD (HARDY ASSOCIATES)
JOB NO : CG-14011 CONTACT: NICK HERNADI/ALAN HANNA
REPORT TITLE: NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 180-352 & KMP 5.27 TO

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	0	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:
NAME : NORMAN WELLS PIPELINE

GENERAL LOCATION

SITE PLAN

NUMBER:
SCALE : 1:1000000 1:
FORMAT: PAPER COPY
ARCHIV: GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): 2-1 TO 2-10, 4-1 TO 4-6

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABAND

SIZE : 93 BHS, 12 TPS
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL PROGRAM LENGTH: N/A

EQUIPMENT : AUGERS, ROTARY AIR, CRREL BARREL, HELIPORTABLE RIG FROM SDS DRILLING

PENETRATION: 5-10M

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES

REPORT : FORMAL GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER : TOTAL OF 3 VOLUMES

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT TRANSPORTATION

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT IPL MR. ART MEYER

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: HAL81NW2 MONTH: 11 YEAR: 1981

SPONSOR : INTERPROVINCIAL PIPE LINES (NW) LTD.
JOB NO : NW-83-787 CONTACT: ROBERT MAYNE
CONTRACTOR : HARDY BBT LTD (HARDY ASSOCIATES)
JOB NO : CG-14011 CONTACT: RICK HERNADI/ALAN HANNA
REPORT TITLE: NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 0 TO 180 & KMP 350 TO

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	0	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : NORMAN WELLS PIPELINE

SITE PLAN

NUMBER:
SCALE : 1:1000000 1:UNKNOWN
FORMAT: PAPER COPY
ARCHIV: GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): 4-12 TO 4-19

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION,EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES DEVELOPMENT RECOMMEN

SIZE : 104 BHS,20 TPS,1 EXP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER PROGRAM LENGTH: N/A

EQUIPMENT : SONIC DRILL,HAND DUG TEST PITS

PENETRATION: 5-10M

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: UNKNOWN
TYPE : DISTURBED
SIZE : UNKNOWN

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 3 VOLUMES

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT TRANSPORTATION
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT IPL MR. ART MEYER

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: HAL81NW2 MONTH: 11 YEAR: 1981

SPONSOR : INTERPROVINCIAL PIPE LINES (NW) LTD.
JOB NO : NW-83-787 CONTACT: ROBERT MAYNE
CONTRACTOR : HARDY BBT LTD (HARDY ASSOCIATES)
JOB NO : CG-14011 CONTACT: RICK HERNADI/ALAN HANNA
REPORT TITLE: NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 0 TO 180 & KMP 350 TO

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	0	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : NORMAN WELLS PIPELINE

SITE PLAN

NUMBER:
SCALE : 1:1000000 1:UNKNOWN
FORMAT: PAPER COPY
ARCHIV: GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): 4-12 TO 4-19

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION,EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES DEVELOPMENT RECOMMEN

SIZE : 104 BHS,20 TPS,1 EXP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER PROGRAM LENGTH: N/A

EQUIPMENT : SONIC DRILL,HAND DUG TEST PITS

PENETRATION: 5-10M

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: UNKNOWN
TYPE : DISTURBED
SIZE : UNKNOWN

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 3 VOLUMES

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT TRANSPORTATION
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT IPL MR. ART MEYER

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: HAL81NW3

MONTH: 11 YEAR: 1981

SPONSOR : INTERPROVINCIAL PIPE LINES (NW) LTD.

JOB NO : NW-83-787 CONTACT: ROBERT MAYNE

CONTRACTOR : HARDY BBT LTD (HARDY ASSOCIATES)

JOB NO : CG-14011 CONTACT: NICK HERNADI/ALAN HANNA

REPORT TITLE: NORMAN WELLS PIPELINE PROJECT GRANULAR RESOURCES INVENTORY KMP 0 TO 180 & KMP 350

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	0	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : NORMAN WELLS PIPELINE

NUMBER:

SCALE : 1:1000000

1:20000

FORMAT: PAPER COPY

ARCHIV: GNWT TRANSPORTATION

DIG NO: N/A

SOURCE NUMBER(S): 3-1 TO 3-10

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES DEVELOPMENT RECOMMEN

SIZE : 68 BHS, 7 TPS

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: WINTER

PROGRAM LENGTH: N/A

EQUIPMENT : SONIC DRILL, HAND DUG TEST PITS

PENETRATION: 5-10M (BHS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC

QUALITY: UNKNOWN

TYPE : DISTURBED

SIZE : UNKNOWN

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES

REPORT : FORMAL GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER : TOTAL OF 3 VOLUMES

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT TRANSPORTATION

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT IPL MR. ART MEYER

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03

COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31

UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: HAL82NW MONTH: 11 YEAR: 1982

SPONSOR : INTERPROVINCIAL PIPE LINE (NW) LTD.
JOB NO : CONTACT:
CONTRACTOR : HARDY ASSOCIATES (1978) LTD.
JOB NO : CONTACT:
REPORT TITLE: NORMAN WELLS PIPELINE ENVIRONMENTAL ASSESSMENT OF BORROW PITS SCHEDULED FOR DEVELOPMENT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.40000	63.20000	65.00000
LONGITUDE:	121.20000	123.60000	126.00000

LOCATION:
NAME : MACKENZIE VALLEY GENERAL LOCATION SITE PLAN

NUMBER: FIGURE 1
SCALE : 1:500000 1:
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): 1-11 BKP70, 1-14 KD108, 1-17 KP161, 3-4B KP408, 3-7 KP447, 3-10 KP514, 4-5
M.HWY414

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : ENVIRONMENTAL ASSESSMENT
SCOPE: SPECIFY SITES
LEVEL: REVIEW OF EXISTING REPORTS

SIZE :
SURVEY PATTERN: 8 SITES
SURVEY SPACING:
SEASON:

PROGRAM LENGTH:

EQUIPMENT :
PENETRATION:
RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SUMMARY OF POTENTIAL BORROW PITS
REPORT : ENVIRONMENTAL IMPACT, RECLAMATION PROCEDURES
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 4TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: KLC69FS MONTH: 9 YEAR: 1969

SPONSOR : CANADIAN BECHTEL LTD.
JOB NO : CONTACT:
CONTRACTOR : KLOHN LEONOFF CONSULTANTS LTD.
JOB NO : ED1006 CONTACT:
REPORT TITLE: MACKENZIE RIVER CROSSING, FORT SIMPSON NWT, NOV 2, 1969

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	61.80000	0.00000
LONGITUDE:	0.00000	121.05000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON NWT	MACKENZIE RIVER CROSSING, FORT SIMPSON
NUMBER:		
SCALE : 1:0		PLATE 1
FORMAT:		1:1500
ARCHIV:		PAPER COPY
DIG NO:		IN REPORT
SOURCE NUMBER(S):		

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: RECONNAISSANCE, FIELD TESTPITS

SIZE :

SURVEY PATTERN: 15 TEST PITS
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

SUMMER

PROGRAM LENGTH: 2 DAYS, SEPT29, 30/69

EQUIPMENT :

N/A

PENETRATION:

UP TO 2M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 2 PER TESTPIT
QUALITY: DISTURBED
TYPE : GRAB
SIZE : 28 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: KLC75SC

MONTH: 9 YEAR: 1975

SPONSOR : Foothills Pipe Line Ltd.

JOB NO : CONTACT:

CONTRACTOR : KLOHN LEONOFF CONSULTANTS LTD.

JOB NO : CONTACT:

REPORT TITLE: INVESTIGATION AND ASSESSMENT OF SLOPE APPROACHES, STEEP CREEK, JAN. 16, 1976

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.18000	0.00000
LONGITUDE:	0.00000	124.40000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	STEEP CREEK

NUMBER:

SCALE : 1:0

FORMAT: 1:24000
FOLDED PAPER COPY

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SPECIFIC BRIDGE SITE

LEVEL: AIR PHOTO INTERPRETATION, RECONNAISSANCE, FIELD DRILLING

SIZE : 5 Bhs

SURVEY PATTERN: ALIGNMENT

SURVEY SPACING: RANDOM

SEASON: SUMMER

PROGRAM LENGTH: SEPT06 TO 11, 21/75

EQUIPMENT : HELIDRILL

PENETRATION: N/A

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5 M INTERVALS/CONTINUOUS

QUALITY: GOOD

TYPE : CRREL, GRAB

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, STRATIGRAPHY

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C PIPELINE ROOM 5TH FLOOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/29 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: KLC75SR MONTH: 9 YEAR: 1975

SPONSOR : Foothills Pipe Line Ltd.
JOB NO : CONTACT:
CONTRACTOR : KLOHN LEONOFF CONSULTANTS LTD.
JOB NO : AL0597 CONTACT:
REPORT TITLE: INVESTIGATION AND ASSESSMENT OF SLOPE APPROACHES SALINE RIVER, NWT, JAN. 26, 1976

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.30000	0.00000
LONGITUDE:	0.00000	124.50000	0.00000

LOCATION:

	GENERAL LOCATION	SALINE RIVER	SITE PLAN
NAME :	MACKENZIE VALLEY		
NUMBER:			
SCALE : 1:0		1:24000	
FORMAT:		FOLDED PAPER	COPY
ARCHIV:		IN REPORT	
DIG NO:			

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC BRIDGE SITE
LEVEL: AIR PHOTO INTERPRETATION, RECONNAISSANCE, FIELD DRILLING

SIZE : 2 Bhs
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: SUMMER PROGRAM LENGTH: SEPT04, 05, 21/75

EQUIPMENT : HELIDRILL

PENETRATION: 2M TO 10M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: GOOD
TYPE : CRREL, GRAB
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION, STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL71FMSS MONTH: 11 YEAR: 1971

SPONSOR : WILLIAM BROTHERS CANADA LTD.
JOB NO : CONTACT:
CONTRACTOR : J.D. MOLLARD AND ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG NORTHWEST PROJECT STUDY GROUP PROPO

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	465000	0	465000
NORTHING:	7280000	0	7480000
OR: LATITUDE:	65.00000	66.50000	68.00000
LONGITUDE:	128.00000	132.00000	136.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT MCPHERSON TO SANS SAULT RAPIDS NWT	CONSTR. MATRLS. SURVEY FOR PPLN. ROUTE
NUMBER:		DRAWING NOS. 1 TO 11
SCALE : 1:0		1:250000
FORMAT:		PAPER
ARCHIV:		REPORT
DIG NO:		

SOURCE NUMBER(S): 1 TO 24

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : AIR PHOTO AND MAP STUDY OF CONSTRUCTION MATERIALS
SCOPE: PIPELINE ROUTE
LEVEL: AIRPHOTO AND MAP STUDY

SIZE :
24 SOURCES
SURVEY PATTERN:
SURVEY SPACING:
SEASON: PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP :
REPORT : LOCATION, QUANTITY, QUALITY OVERBURDEN, AND MINING METHOD
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL71MV MONTH: 8 YEAR: 1971

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LIMITED
JOB NO : CONTACT:
CONTRACTOR : T.D. MOLLARD AND ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: CONSTRUCTION MATERIALS SURVEY ALONG MVPLRL PIPE LINE ROUTE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	7	0	11
EASTING:	445000	0	350000
NORTHING:	6655000	0	7803000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE VALLEY	CONSTR.MATRLS SURV. FOR PPLN ROUTE STUDY
NUMBER:	
SCALE : 1:0	DRAWING NOS. 1 TO 42
FORMAT:	1:250000
ARCHIV:	PAPER
DIG NO:	IN REPORT
SOURCE NUMBER(S):	
1 TO 98	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : AIR PHOTO AND MAP STUDY OF CONSTRUCTION MATERIALS
SCOPE: PIPELINE ROUTE
LEVEL: AIR PHOTO AND MAP STUDY

SIZE :
SURVEY PATTERN: 98 SOURCES
SURVEY SPACING:
SEASON:

PROGRAM LENGTH:

EQUIPMENT :
PENETRATION:
RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :
REPORT : LOCATION, QUANTITY, QUALITY, OVERBURDEN AND MINING METHOD
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR (IN MVPL71MV)
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL71PBFM

MONTH: 10 YEAR: 1971

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.

JOB NO : CONTACT:

CONTRACTOR : J.D. MOLLARD AND ASSOCIATES LTD.

JOB NO : CONTACT:

REPORT TITLE: SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG MACKENZIE VALLEY PIPE LINE RESEARCH

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	7	0	8
EASTING:	445000	0	505000
NORTHING:	7480000	0	7803000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	ARCTIC COASTAL ROUTE	CONSTR.MTRL.S.SURV. FOR PPLN ROUTE STUDY

NUMBER:

SCALE : 1:0

DRAWING NOS. 43 TO 57

FORMAT:

1:250000

ARCHIV:

PAPER

DIG NO:

IN REPORT

SOURCE NUMBER(S):

NOS. 94 TO 141

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : AIR PHOTO AND MAP STUDY OF CONSTRUCTION MATERIALS

SCOPE: PIPELINE ROUTE

LEVEL: AIR PHOTO AND MAP STUDY

SIZE :

SURVEY PATTERN: 48 SOURCES

SURVEY SPACING:

SEASON:

PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :

QUALITY:

TYPE :

SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :

REPORT : LOCATION, QUANTITY, QUALITY, OVERBURDEN AND MINING METHOD

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR (ALSO IN MVPL71MV)

DATA :

ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL71SSAN

MONTH: 10 YEAR: 1971

SPONSOR : WILLIAM BROTHERS CANADA LTD.

JOB NO : CONTACT:

CONTRACTOR : J.D. MOLLARD AND ASSOCIATES LTD.

JOB NO : CONTACT:

REPORT TITLE: SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG NORTHWEST PROJECT STUDY GROUP PROPO

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	0	11
EASTING:	505000	0	390000
NORTHING:	6654000	0	7280000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	SANS SAULT RAPIDS TO ALTA-NWT	CONST.MTRL.S. SURV. FOR PPLN. ROUTE
B.		STUDY

NUMBER:

DRAWING NOS. 1 TO 20

SCALE : 1:0

1:250000

FORMAT:

PAPER

ARCHIV:

IN REPORT

DIG NO:

SOURCE NUMBER(S): NOS. 1 TO 54

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : AIR PHOTO AND MAP STUDY OF CONSTRUCTION MATERIALS

SCOPE: PIPELINE ROUTE

LEVEL: AIR PHOTO AND MAP STUDY

SIZE :

54 SOURCES

SURVEY PATTERN:

SURVEY SPACING:

SEASON:

PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :

QUALITY:

TYPE :

SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :

REPORT : LOCATION, QUANTITY, QUALITY, OVERBURDEN AND MINING METHOD

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR

DATA : CONTRACTOR

ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL72NM MONTH: 11 YEAR: 1972

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : J.D. MOLLARD AND ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: GRAVEL AND BEDROCK BORROW PROSPECTS PHYSIOGRAPHIC DIVISION XVI (ELLIOT CREEK TO R1

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	9
EASTING:	455000	0	560000
NORTHING:	7280000	0	7680000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME : LOWER MACKENZIE VALLEY	KEY MAPS AND	AIR PHOTOS

NUMBER:
SCALE : 1:0 1:N/A
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): PROSPECT NUMBERS 1 TO 133

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : OFFICE STUDY
SCOPE: PIPELINE ROUTE
LEVEL: INVENTORY

SIZE : 133 SOURCES
SURVEY PATTERN:
SURVEY SPACING:
SEASON: PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :
REPORT : LOCATION, QUANTITY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/18 COMPILATION PROJECT NO.: 01D1-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 01D1-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL72RI MONTH: 7 YEAR: 1972

SPONSOR : ARCTIC PETROLEUM OPERATORS ASSOC/GANPSG/MVDLRL
JOB NO : CONTACT:
CONTRACTOR : J.D.MOLLARD AND ASSOCIATES LTD.
JOB NO : 17-4 CONTACT:
REPORT TITLE: GRAVEL INVENTORY SURVEY RICHARDS ISLAND AND ADJACENT AREAS, OCT 1972

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	58.83000	64.23000	69.63000
LONGITUDE:	133.50000	134.75000	136.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : RICHARDS ISLAND	KEY MAPS SHOWING PROSPECT LOCATIONS

NUMBER: FIGURE 1	N/A
SCALE : 1:0	1:250000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S): PROSPECTS 1 TO 50

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: AIR PHOTO, RECONNAISSANCE

SIZE :	60 SITES
SURVEY PATTERN:	RANDOM
SURVEY SPACING:	RANDOM
SEASON: SUMMER	PROGRAM LENGTH: 3 DAYS, JULY/72

EQUIPMENT : HAND EXCAVATED

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE : GRAB
SIZE : 45 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : GRAIN SIZE, UNIFORMITY COEFFICIENT
REPORT : FORMAL GRAVEL INVENTORY REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: MOL74LI MONTH: 1 YEAR: 1974

SPONSOR : NORTHERN ENGINEERING SERVICES LTD.
JOB NO : CONTACT:
CONTRACTOR : J.D. MOLLARD AND ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: AIRPHOTO GRAVEL SEARCH, LIARD RIVER TO CHINCHAGA RIVER ALONG PROPOSED CAGSL PIPELI

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	0	11
EASTING:	655000	0	400000
NORTHING:	6802000	0	6470000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	LIARD R. AND NORTHERN ALBERTA	

NUMBER:	N/A
SCALE : 1:0	1:250000
FORMAT:	PAPER
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S): PROSPECT NOS. 1 TO 98

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS: SOUTHERN NWT, NORTHERN ALBERTA AND B.C.

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : AIR PHOTO INTERPRETATION
SCOPE: PIPELINE ROUTE
LEVEL: AIR PHOTO INTERPRETATION

SIZE :	98 SOURCES
SURVEY PATTERN:	
SURVEY SPACING:	
SEASON:	PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :
REPORT : LOCATION AND REMARKS
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MOL74PBMR MONTH: 1 YEAR: 1974

SPONSOR : NORTHERN ENGINEERING SERVICES LTD.
JOB NO : CONTACT: MR. B.L. BAGGOTT
CONTRACTOR : J.D. MOLLARD AND ASSOCIATES LTD.
JOB NO : CONTACT: J.D. MOLLARD
REPORT TITLE: REPORT ON 1974 DRILLING PROGRAM MACKENZIE VALLEY GAS PIPELINE STUDY

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	0	10
EASTING:	362000	0	585000
NORTHING:	6805000	0	7202000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	RIVER CROSSINGS
NUMBER:	LR-1, GB-1, M-1	
SCALE :	1:250000	1:
FORMAT:	PAPER COPY	
ARCHIV:	IN REPORT	
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SITE SPECIFIC
LEVEL: AIR PHOTO INTERPRETATION FOR DRILLING PROGRAM

SIZE :
SURVEY PATTERN:
SURVEY SPACING:
SEASON: PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP :
REPORT : AIR PHOTO INTERPRETATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: MVPL71IN MONTH: 11 YEAR: 1971

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.
JOB NO : CONTACT:
CONTRACTOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.
JOB NO : CONTACT: G.H. WATSON
REPORT TITLE: INUVIK SOIL TESTS SUMMARY - INUVIK TEST FACILITY, MARCH 1972

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	8	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	68.35000	0.00000
LONGITUDE:	0.00000	133.70000	0.00000

LOCATION:	GENERAL LOCATION	SITE PLAN
NAME : INUVIK		
NUMBER:		FIGURE 1
SCALE : 1:0		1:1000
FORMAT:		PAPER COPY
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO INTERPRETATION

SIZE : 9 BHs
SURVEY PATTERN: BUILDING SITE
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH:

EQUIPMENT : FAILING 1000, TEXOMA AUGER

PENETRATION: 6M TO 15M

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY
REPORT : PRESENTATION OF DATA
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MVPL72CPHR MONTH: 11 YEAR: 1972

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.
JOB NO : CONTACT:
CONTRACTOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.
JOB NO : CONTACT: J.M. BLACKWELL
REPORT TITLE: PRELIMINARY SURVEY, PROPOSED BORROW SOURCES CAMPBELL LAKE TO HANNA RIVER NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.60000	66.92500	68.25000
LONGITUDE:	127.75000	130.50000	133.25000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE DELTA	CAMPBELL LAKE TO HANNA RIVER

NUMBER: EXHIBITS 1 TO 7
SCALE : 1:250000 1:
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): B-1 TO B-52, C-53 TO C-57

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : BORROW SOURCE LOCATIONS
SCOPE: REGIONAL-PIPELINE ROUTE
LEVEL: AIR PHOTO INTERPRETATION, AERIAL INSPECTION

SIZE : 320 KM, 58 POTENTIAL SOURCES
SURVEY PATTERN: CORRIDOR
SURVEY SPACING: N/A
SEASON: N/A PROGRAM LENGTH: N/A

EQUIPMENT : AIRCRAFT

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :
REPORT : SOURCE LOCATION AND ESTIMATED DESCRIPTION, OVERBURDEN, RECOVERABLE VOLUME
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : IN MVPL71MV, AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MVPL72MD

MONTH: 3 YEAR: 1972

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.

JOB NO : CONTACT:

CONTRACTOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD

JOB NO : REPORT 17-1 CONTACT: J.BLACKWELL,G.WATSON

REPORT TITLE: REPORT 17-1,BORING LOGS AND LAB TEST RESULTS,MACKENZIE DELTA SECTION,NOV.1 1972

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.58333	67.37500	69.16666
LONGITUDE:	127.66666	130.62500	133.58333

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : HANNA R. TO
TUKTOYAKTUK/MACKENZIE DELTA

NUMBER: FIG. 6 TO 14 1:

SCALE : 1:252000

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO: N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL / PIPELINE ROUTE

LEVEL: DRILL,SAMPLE,TEST, RECONNAISSANCE

SIZE :

166 BHS (INCL 96 TEXACO DENSITY LOGS)

SURVEY PATTERN: CORRIDOR

SURVEY SPACING: NA

SEASON: WINTER

PROGRAM LENGTH: FEB & MAR/72

EQUIPMENT : NODWELL MTD-FAILING CFD-200,1000,MODIFIED CRREL BORE BARRELS-75+100 MM,SPT,U-TYPE,T

PENETRATION: 3.6M-12.2M(CLAY,SILT,SAND,SHALE)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONT. TO 6.1M,0.3M RUNS EVERY 1.5M DRILLED BELOW 6.1M W/ SPT

QUALITY: GOOD

TYPE : CORE,SPT,U-TYPE

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES,THAW SETTLEMENT/STRENGTH,PERMEABILITY

REPORT : SUMMARY REPORT,BH LOGS,GROUND TEMP DATA

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER : MVPLRL 1972 FIELD OPS REPORT

ARCHIVING OF INFORMATION:

REPORT : IN MVPL71MV AINA U OF C LIBRARY 11TH FLOOR, GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: MVPL72SS

MONTH: 4 YEAR: 1972

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.

JOB NO : 18-8 CONTACT:

CONTRACTOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.

JOB NO : CONTACT: G.H. WATSON

REPORT TITLE: INVESTIGATION OF MACKENZIE RIVER CROSSING NEAR SANS SAULT RAPIDS, SEPT 1972

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	65.75000	0.00000
LONGITUDE:	0.00000	128.75000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : NEAR SANS SAULT RAPIDS

NUMBER: FIGURE 1

SCALE : 1:0 1:

FORMAT: AIR PHOTO MOSAIC, PAPER COPY

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SINGLE SITE-RIVER CROSSING

LEVEL: EXPLORATION DRILLING

SIZE : 10 BHs

SURVEY PATTERN: LINE

SURVEY SPACING: 30 M

SEASON: SPRING

PROGRAM LENGTH: APRIL/72

EQUIPMENT : FAILING 1500

PENETRATION: 6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : APPROX 1 PER BOREHOLE

QUALITY: N/A

TYPE : GRAB

SIZE : 6 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION

REPORT : SOIL STRATIGRAPHY AND OVERBURDEN

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : IN MVPL72NM (VOL 18)

DATA : CONTRACTOR

ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: NES74MD MONTH: 4 YEAR: 1974

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.
JOB NO : CONTACT:
REPORT TITLE: CROSS DELTA ROUTE ALTERNATIVE REPORT (JUNE 12, 1974)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	68.80000	68.92500	69.05000
LONGITUDE:	133.50000	135.75000	138.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE DELTA	

NUMBER:
SCALE : 1:1000000 1:
FORMAT: FOLDED BLUELINE
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITES
LEVEL: AIR PHOTO, EXISTING REPORT REVIEW, FIELD DRILLING

SIZE : 43 BHs, 4 LOCATIONS
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: SPRING PROGRAM LENGTH: APR/74

EQUIPMENT : MAYHEW 500

PENETRATION: 8 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : RANDOM
QUALITY: RAIR
TYPE : GRAB, CRREL
SIZE : APPROX. 200

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL, ENVIRONMENTAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 4TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: NES74YATR MONTH: 9 YEAR: 1974

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES COMPANY LTD.
JOB NO : 1.6.3 CONTACT:
REPORT TITLE: GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE CROSS DELTA ALTERNATIVE ROUT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	9
EASTING:	390000	0	414000
NORTHING:	7482000	0	7695000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	NORTH MACKENZIE	CONGLOMERATE CREEK YT TO THUNDER RI. NWT
NUMBER:		
SCALE : 1:0		1-0219-1001 TO 1003
FORMAT:		1:250000
ARCHIV:		PAPER
DIG NO:		IN REPORT
SOURCE NUMBER(S):		

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: PIPELINE
LEVEL: RECONNAISSANCE AND EXPLORATION

SIZE :

SURVEY PATTERN: 42 BOREHOLES
SURVEY SPACING: LINE
SEASON: 8.0KM

FALL

PROGRAM LENGTH: SEPT.6 TO 28/74

EQUIPMENT :

RANGER

PENETRATION:

3.4M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : APPROX EVERY 0.6M
QUALITY: GOOD
TYPE : CRREL CORES; AUGER GRAB
SIZE : 214 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : FIELD PROCEDURES AND DRILLING RESULTS
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: NES75GB

MONTH: 3 YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.
JOB NO : 1.8.33 CONTACT:
REPORT TITLE: GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE GREAT BEAR RIVER CROSSING,

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.93000	0.00000
LONGITUDE:	0.00000	125.48300	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	GREAT BEAR RIVER	
NUMBER:	PLATE NO. 1	PLATE 5
SCALE :	1:250000	1:1000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SITE SPECIFIC
LEVEL: DRILL PROGRAM, AIR PHOTO

SIZE : 8 BOREHOLES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: SPRING

PROGRAM LENGTH: 7 DAYS MAR17 TO APR12/75

EQUIPMENT : MAYHEW 200 DRILL RIG

PENETRATION: 36.6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6 M INTERVALS/CONTINUOUS CORE
QUALITY: GOOD
TYPE : CORE, GRAB
SIZE : APPROX 50 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : AIR PHOTO, RECONNAISSANCE, SAMPLING INSTRUMENTATION, SLOPE STABILITY
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: NES75GBA MONTH: 4 YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY
JOB NO : 3.8.2 CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.
JOB NO : CONTACT:
REPORT TITLE: GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE - GREAT BEAR RIVER ALTERNATI

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	64.93600	64.95000	64.95500
LONGITUDE:	125.43300	125.48000	125.51900

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : GREAT BEAR RIVER	TEST HOLE LOCATION
NUMBER: PLATE 1	PLATE 2
SCALE : 1:250000	1:50000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITES
LEVEL: FIELD DRILLING

SIZE : 2 CROSSING SITES, 5 BHs
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: SPRING PROGRAM LENGTH: APR04 TO 10/75

EQUIPMENT : MAYHEW 200 HELIDRILL RIG

PENETRATION: AVG 14M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: GOOD
TYPE : CRREL, CUTTINGS
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY
REPORT : PRESENTATION OF FIELD DATA
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY, 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/25 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: NES75MB

MONTH: 8

YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.

JOB NO : CONTACT:

CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.

JOB NO : CONTACT:

REPORT TITLE: STABILITY OF EXCAVATED SUBMARINE SLOPES IN MACKENZIE RIVER DELTA SEDIMENTS

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	68.80000	68.86500	68.93000
LONGITUDE:	135.45000	135.72500	136.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE BAY

NUMBER: FIGURE 1

SCALE : 1:250000

1:

FORMAT: FOLDED BLUELINE

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: PIPELINE ROUTE

LEVEL: REVIEW OF EXISTING REPORTS, FIELD DRILLING

SIZE : 5 Bhs

SURVEY PATTERN: ALIGNMENT

SURVEY SPACING: RANDOM

SEASON: SUMMER

PROGRAM LENGTH: AUG/75

EQUIPMENT : MAYHEW 500

PENETRATION: 10M TO 18M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS

QUALITY: GOOD

TYPE : CRREL CORE

SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SLOPE STABILITY EVALUATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY, PIPELINE ROOM 5TH FLOOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31

UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: NES75PBFS MONTH: 8 YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : 13011 CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.
JOB NO : CONTACT:
REPORT TITLE: 1975 FIELD INVESTIGATION WHARF REPORT (VOLUMES 1 TO 3), DEC 1976

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	6	8	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.89600	66.07300	70.25000
LONGITUDE:	121.39300	134.94700	148.50000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	SITE SPECIFIC

NUMBER:	
SCALE : 1:4000000	1:2500
FORMAT: FOLDED BLUELINE	FOLDED BLUELINE
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: REVIEW OF EXISTING DATA, RECONNAISSANCE, FIELD DRILLING

SIZE : 21 WHARF SITES, 124 BHs
SURVEY PATTERN: SPECIFIC SITES
SURVEY SPACING: RANDOM
SEASON: SUMMER PROGRAM LENGTH: AUG/75

EQUIPMENT : HELI ROTARY DRILL, MAYHEW 500, MOBILE B-61

PENETRATION: 9M TO 21M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 1M INTERVALS AVG.
QUALITY: GOOD
TYPE : SHELBY, GRAB, CRREL BARREL, SPLIT SPOON
SIZE : APPROX. 1000 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY, SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/25 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: NES75SB

MONTH: 7 YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : 13011 CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.
JOB NO : CONTACT:
REPORT TITLE: GEOTECHNICAL DATA REPORT PORPOSED ARCTIC GAS PIPELINE SHALLOW BAY DRILLING AND SAM

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	8	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	68.87000	0.00000
LONGITUDE:	0.00000	135.90000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE DELTA	SHALLOW BAY

NUMBER:
SCALE : 1:0 1:250000
FORMAT: FOLDED BLUELINE
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE AREA
LEVEL: EXPLORATORY DRILLING

SIZE : 3 BOREHOLES
SURVEY PATTERN: LINE
SURVEY SPACING: 2 KM
SEASON: SUMMER

PROGRAM LENGTH: 7 DAYS AUG4 TO AUG9/75

EQUIPMENT : NODWELL MOUNTED MAYHEW 500

PENETRATION: 15M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS
QUALITY: GOOD
TYPE : SHELBY TUBES
SIZE : 71 SHELBY TUBES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : TESTS FOR SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/24 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 93/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: NES75YAMV MONTH: 7 YEAR: 1975

SPONSOR : CANADIAN ACTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICE CO. LTD.
JOB NO : 12074 CONTACT: P.H. DAU
REPORT TITLE: GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE PHYSICAL PROPERTIES OF TILL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	7	9	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	60.00000	64.75000	69.50000
LONGITUDE:	120.50000	130.75000	141.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY PIPELINE	
	CORRIDOR	
NUMBER:		

1:

SCALE : 1:250000
FORMAT: FOLDED BLUELINES
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: PIPELINE
LEVEL: AIR PHOTO, RECONNAISSANCE

SIZE :

80 SITES

SURVEY PATTERN: CORRIDOR
SURVEY SPACING: RANDOM
SEASON: SUMMER

PROGRAM LENGTH: AUG/75

EQUIPMENT : N/A

PENETRATION: 4M

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION OF SOILS
REPORT : FORMAL REVIEW
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: NES76FS MONTH: 3 YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : NORTHERN ENGINEERING SERVICES COMPANY LTD.(& R.M.HARDY & ASSOC.)
JOB NO : 1.8.34 CONTACT:
REPORT TITLE: GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE FORT SIMPSON AREA 1975 DRILL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	0	11
EASTING:	512000	0	342000
NORTHING:	6678000	0	6950000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON AREA	NUMEROUS
NUMBER:	E-3202, PLATE 14	PLATES 1 TO 16
SCALE :	1:135000	1:50000, 24000, 60000
FORMAT:	PAPER	PAPER
ARCHIV:	IN REPORT	IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: 6 SITES
LEVEL: EXPLORATION

SIZE : 6 SITES, 28 BOREHOLES
SURVEY PATTERN: RANDOMLE
SURVEY SPACING: VARIABLE
SEASON: SPRING PROGRAM LENGTH: MAR AND JUN/75

EQUIPMENT : ARCTIC AUGER, RANGER, HELI-DRILL

PENETRATION: 6.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : VARIABLE
QUALITY: GOOD
TYPE : 100MM CRREL, SHELBY, 75MM VTM CORE
SIZE : NUMEROUS

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : NO INTERPRETATION, TESTING LIMITED
REPORT : FIELD PROGRAM AND LOGS ONLY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: NES76YAMV MONTH: 8 YEAR: 1975

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : 13011 CONTACT: A.W. WIRTH
CONTRACTOR : NORTHERN ENGINEERING SERVICES CO. LTD.(R.M. HARDY&ASSOCIATES LTD)
JOB NO : CONTACT: P.H.DAU
REPORT TITLE: 1975 PIPELINE BORROW INVESTIGATION-YUKON COASTAL PLAIN TO LATITUDE 60 DEGREES NORT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	7	9	11
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	60.00000	64.75000	69.50000
LONGITUDE:	119.75000	130.37500	141.00000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE VALLEY

SITE PLAN

NUMBER:
SCALE : 1:250000 1:
FORMAT: FOLDED BLUELINE
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): NUMEROUS

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: CORRIDOR
LEVEL: AIRPHOTO, PREVIOUS PROJECTS RESEARCH, FIELD RECONNAISSANCE, EXPLORATORY DRILLING

SIZE : 113 BORROW SITES, NUMEROUS BHs AND TPs
SURVEY PATTERN: CORRIDOR
SURVEY SPACING: RANDOM
SEASON: SUMMER PROGRAM LENGTH: JULY12 TO SEPT21/75

EQUIPMENT : MAYHEW 200 DRILL RIG, HAND EXCAVATED TEST PITS

PENETRATION: 2M TO 20M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIABLE
QUALITY: N/A
TYPE : GRAB
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION OF SAMPLES
REPORT : FORMAL GEOTECHNICAL BORROW REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : CAGS74MV

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/18 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM71MVTG

MONTH: 3 YEAR: 1971

SPONSOR : THE ALBERTA GAS TRUNK LINE COMPANY LTD. AND CNR

JOB NO : CONTACT:

CONTRACTOR : PEMCAN SERVICES (72)

JOB NO : CONTACT:

REPORT TITLE: GAS ARCTIC TRANSPORTATION CORRIDOR STUDY, GEOLOGICAL PHOTOINTERPRETATION AND ROUTE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.75000	63.52500	65.30000
LONGITUDE:	127.00000	124.20000	121.40000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE VALLEY TRANSP CORR.

NUMBER:

MP460-442 TO MP140-124

SCALE : 1:0

1:36000

FORMAT:

FOLDED BLUELINES

ARCHIV:

GSC LIBRARY STORAGE (CALGARY)

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: TRANSPORTATION CORRIDOR

LEVEL: AIR PHOTO AND EXPLORATION

SIZE : 264 BOREHOLES, 540 KM

SURVEY PATTERN: CORRIDOR

SURVEY SPACING: RANDOM

SEASON: N/A

PROGRAM LENGTH: N/A

EQUIPMENT : N/A

PENETRATION: 5.0M

RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : N/A

REPORT : BLUE LINE MAPS AND BH LOGS ONLY

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : N/A

DATA : GSC LIBRARY STORAGE (CALGARY)

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY: EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73FG

MONTH: 1 YEAR: 1973

SPONSOR : DEPT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
JOB NO : CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : CONTACT:
REPORT TITLE: GRANULAR MATERIAL INVENTORY, FORT GOOD HOPE NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	66.10000	66.25000	66.40000
LONGITUDE:	128.30000	128.65000	129.00000

LOCATION:

GENERAL LOCATION
NAME : FORT GOOD HOPE

SITE PLAN

NUMBER:
SCALE : 1:0 1:
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): FGH1,FGH2,FGH3,FGH4,FGH5,FGH6,FGH7,FGH8

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABANDONMENT

SIZE : 9 SITES, 4 TEST PITS, 1 BOREHOLE
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: PROGRAM LENGTH:

EQUIPMENT : AIR ROTARY DRILL RIG, HAND DUG TEST PITS

PENETRATION:

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: PEM73FN MONTH: 1 YEAR: 1973

SPONSOR : DEPT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
JOB NO : CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : CONTACT:
REPORT TITLE: GRANULAR MATERIAL INVENTORY, FORT NORMAN, NWT COMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	64.75000	64.90000	65.05000
LONGITUDE:	125.25000	125.60000	125.95000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT NORMAN	

NUMBER:
SCALE : 1:0 1:
FORMAT: PAPER COPY
ARCHIV:
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABAN

SIZE : 31 SITES, 16 TESTPITS, 13 BHs
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: PROGRAM LENGTH: PRELIM SEPT/72, DRILL JAN/73

EQUIPMENT : AIR ROTARY DRILL RIG, HAND DUG TEST PITS

PENETRATION:

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF PORENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73FNW

MONTH: 2 YEAR: 1973

SPONSOR : DIAND
JOB NO : N/A CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : P72-502 CONTACT: N/A
REPORT TITLE: GRANULAR MATERIALS INVENTORY FORT NORMAN TO NORMAN WELLS INTERCOMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	356000	335500	315000
NORTHING:	7215000	7227500	7240000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : FT NORMAN TO NORMAN WELLS

SITE PLAN

NUMBER:
SCALE : 1:250000 1:36000
FORMAT: PAPER COPY
ARCHIV: SPONSOR/GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): 259 TO 284

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION,EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT

SIZE : 88 BHS,6 TPS
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL/WINTER PROGRAM LENGTH: N/A

EQUIPMENT : CONVENTIONAL AIR ROTARY DRILL RIG MODEL UNKNOWN,MACHINE DUG TEST PITS,EQUIP UNKNOWN

PENETRATION: 6-10M(BHS),1.5-3.5M(TPS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 10 VOLUMES PLUS SUMMARY VOLUME,FT SIMPSON TO FORT GOOD HOPE

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/GNWT TRANSPORTATION
DATA : N/A
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73FS

MONTH: 2 YEAR: 1973

SPONSOR : DIAND
JOB NO : N/A CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : P72-502 CONTACT: N/A
REPORT TITLE: GRANULAR MATERIALS INVENTORY FORT SIMPSON NWT, COMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	571000	587000	602000
NORTHING:	6844000	6859000	6876000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT SIMPSON	FORT SIMPSON
NUMBER:		
SCALE :	1:113600	1:36000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	SPONSOR/GNWT TRANSPORTATION	SPONSOR/GNWT TRANSPORTATION
DIG NO:	N/A	N/A

SOURCE NUMBER(S): FS-1 TO FS-13

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES DEVELOPMENT & ABANDON

SIZE : 30 BHS, 27 TPS, 4 EXP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL/WINTER PROGRAM LENGTH: N/A

EQUIPMENT : CONVENTIONAL AIR ROTARY DRILL RIG MODEL UNKNOWN, MACHINE DUG TEST PITS, EQUIP UNKNOWN

PENETRATION: 6-10M (BHS), 1.5-3.5M (TPS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 10 VOLUMES PLUS SUMMARY VOLUME, FORT SIMPSON TO FORT GOOD HOPE

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/GNWT TRANSPORTATION
DATA : N/A
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73FSFG

MONTH: 1 YEAR: 1973

SPONSOR : DEPT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

JOB NO : CONTACT: BOB GOWAN

CONTRACTOR : PEMCAN SERVICES (72)

JOB NO : CONTACT:

REPORT TITLE: GRANULAR MATERIALS INVENTORY, FORT SIMPSON TO FORT GOOD HOPE NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.40000	63.87500	66.35000
LONGITUDE:	120.65000	125.07500	129.50000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE VALLEY

NUMBER: FIGURE 1

SCALE : 1:2780000

1:

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION, EVALUAION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT AND ABA

SIZE : PREVIOUS REPORTS

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: PROGRAM LENGTH:

EQUIPMENT : AIR ROTARY DRILL RIG, HAND DUG TEST PITS

PENETRATION: VARIABLE

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES

REPORT : FORMAL GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73FSWR MONTH: 2 YEAR: 1973

SPONSOR : DIAND
JOB NO : N/A CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : P72-502 CONTACT: N/A
REPORT TITLE: GRANULAR MATERIALS INVENTORY FORT SIMPSON TO WRIGLEY INTERCOMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	493000	547500	602000
NORTHING:	6844000	6919500	6995000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:
NAME : FORT SIMPSON TO WRIGLEY

GENERAL LOCATION SITE PLAN

NUMBER:
SCALE : 1:250000 1:36000
FORMAT: PAPER COPY
ARCHIV: SPONSOR/GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): 101 TO 158

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABAND

SIZE : 132 BHS, 22 TPS, 1 EXP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL/WINTER PROGRAM LENGTH: N/A

EQUIPMENT : CONVENTIONAL AIR ROTARY DRILL RIG MODEL UNKNOWN, MACHINE DUG TEST PITS, EQUIP UNKNOWN

PENETRATION: 6-10M (BHS), 1.5-3.5M (TPS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 10 VOLUMES PLUS SUMMARY VOLUME, FORT SIMPSON TO FORT GOOD HOPE

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/GNWT TRANSPORTATION
DATA : N/A
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73NW

MONTH: 1 YEAR: 1973

SPONSOR : DEPT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

JOB NO : CONTACT: BOB GOWAN

CONTRACTOR : PEMCAN SERVICES (72)

JOB NO : CONTACT:

REPORT TITLE: GRANULAR MATERIALS INVENTORY, NORMAN WELLS, NWT COMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.10000	65.25000	65.40000
LONGITUDE:	126.50000	126.92500	127.35000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : NORMAN WELLS

NUMBER:

SCALE : 1:0

1:

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S): NW1 TO NW21

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABAN

SIZE : 21 SITES

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: PROGRAM LENGTH:

EQUIPMENT : AIR ROTARY DRILL RIG, HAND DUG TEST PITS

PENETRATION: N/A

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES

REPORT : FORMAL GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73NWFG

MONTH: 3 YEAR: 1973

SPONSOR : DIAND

JOB NO : N/A

CONTACT: BOB GOWAN

CONTRACTOR : PEMCAN SERVICES (72)

JOB NO : P72-502

CONTACT: N/A

REPORT TITLE: GRANULAR MATERIALS INVENTORY NORMAN WELLS TO FORT GOOD HOPE INTERCOMMUNITY STUDY A

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	300000	0	504000
NORTHING:	7240000	0	7338000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME :

NUMBER:

SCALE : 1:25000

1:36000

FORMAT: PAPER COPY

ARCHIV: SPONSOR/GNWT TRANSPORTATION

DIG NO: N/A

SOURCE NUMBER(S): 285 TO 318

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES,

DEVELOPMENT

SIZE : 84 BHS, 4 TP, 1 EXP

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: FALL/WINTER

PROGRAM LENGTH: N/A

EQUIPMENT : CONVENTIONAL AIR ROTARY DRILL RIG MODEL UNKNOWN, MACHINE DUG TEST PITS, EQUIP UNKNOWN

PENETRATION: 6-10M(BHS), 1.5-3.5M(TPS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATE POTENTIAL BORROW SOURCES

REPORT : FORMAL GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER : TOTAL OF 10 VOLUMES PLUS SUMMARY VOLUME, FT SIMPSON TO FT GOOD HOPE

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/GNWT TRANSPORTATION

DATA : N/A

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03

COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31

UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: PEM73WR MONTH: 2 YEAR: 1973

SPONSOR : DIAND
JOB NO : N/A CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : P72-502 CONTACT: N/A
REPORT TITLE: GRANULAR MATERIALS INVENTORY WRIGLEY NWT, COMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	460000	476500	493000
NORTHING:	6995000	7011000	7027000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	WRIGLEY	

NUMBER:
SCALE : 1:113600 1:36000
FORMAT: PAPER COPY
ARCHIV: SPONSOR/GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): W-1 TO W-20

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION, EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABAND

SIZE : 28 BHS, 36 TPS
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL/WINTER PROGRAM LENGTH: N/A

EQUIPMENT : CONVENTIONAL AIR ROTARY DRILL RIG MODEL UNKNOWN, MACHINE DUG TEST PITS, EQUIP UNKNOWN

PENETRATION: 6-10M (BHS), 1.5-3.5M (TPS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 10 VOLUMES PLUS SUMMARY VOLUME, FORT SIMPSON TO FORT GOOD HOPE

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/GNWT TRANSPORTATION
DATA : N/A
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PEM73WRFN

MONTH: 2 YEAR: 1973

SPONSOR : DIAND
JOB NO : N/A CONTACT: BOB GOWAN
CONTRACTOR : PEMCAN SERVICES (72)
JOB NO : P72-502 CONTACT: N/A
REPORT TITLE: GRANULAR MATERIALS INVENTORY WRIGLEY TO FORT NORMAN INTERCOMMUNITY STUDY AREA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	360000	410000	460000
NORTHING:	7027000	7108500	7190000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION
NAME : WRIGLEY TO FORT NORMAN

SITE PLAN

NUMBER:
SCALE : 1:250000 1:36000
FORMAT: PAPER COPY
ARCHIV: SPONSOR/GNWT TRANSPORTATION
DIG NO: N/A

SOURCE NUMBER(S): 159 TO 258

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: EXPLORATION,EVALUATION OF POTENTIAL GRANULAR BORROW SOURCES, DEVELOPMENT & ABAND

SIZE : 92 BHS,1 TP,1 EXP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL/WINTER PROGRAM LENGTH: N/A

EQUIPMENT : CONVENTIONAL AIR ROTARY DRILL RIG MODEL UNKNOWN,MACHINE DUG TEST PITS,EQUIP UNKNOWN

PENETRATION: 6-10M (BHS),1.5-3.5M (TPS)

RESOLUTION : FAIR

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : SPORADIC
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : EVALUATION OF POTENTIAL BORROW SOURCES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TOTAL OF 10 VOLUMES PLUS SUMMARY VOLUME,FORT SIMPSON TO FORT GOOD HOPE

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/GNWT TRANSPORTATION
DATA : UNKNOWN
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PW73CB8R

MONTH: 10 YEAR: 1973

SPONSOR : DPW CANADA

JOB NO : CONTACT:

CONTRACTOR : DPW CANADA, W REGION

JOB NO : CONTACT: R.D. COOK

REPORT TITLE: REPORT ON HELICOPTER DRILLING PROGRAM MILE 351.5 TO MILE 492.8, MACKENZIE HWY, JAN

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	62.00000	63.00000	64.00000
LONGITUDE:	122.50000	123.41700	124.33333

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	CAMSELL BEND TO BLACKWATER RIVER	AIR PHOTO MOSAICS

NUMBER:

1:12000

SCALE : 1:0

PAPER COPY

FORMAT:

IN REPORT

ARCHIV:

N/A

DIG NO:

SOURCE NUMBER(S): SOURCES # ONLY BY CHAINAGE AND OFFSET

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: EXPLORATION, PRELIMINARY INTER ON ROUTE REVISION

SIZE :

20 BORROW BHS, 16 CL BHS

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: FALL

PROGRAM LENGTH: OCTOBER

EQUIPMENT : MAYHEW 250 AIR DRILL

PENETRATION: 3.0M-13.1M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.9M-1.9M

QUALITY: FAIR

TYPE : DISTURBED

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES AT ROUTE CHANGES, BORROW

REPORT : SUMMARY, SITE COMMENTS, BH LOGS, AIR PHOTO MOSAICS SHOWING RECENT AND PREVIOUS BHS

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR//GSC

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PWC73FS

MONTH: 3 YEAR: 1973

SPONSOR : PUBLIC WORKS CANADA

JOB NO : CONTACT:

CONTRACTOR : PUBLIC WORKS CANADA, WESTERN REGION

JOB NO : CONTACT:

REPORT TITLE: REPORT ON GEOTECHNICAL INVESTIGATION, FT. LIARD HIGHWAY, MILE 29.0 TO MILE 66.7

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.08000	61.21500	61.35000
LONGITUDE:	122.00000	122.45000	122.90000

LOCATION:

NAME : LIARD HIGHWAY

SITE PLAN
MOSAIC MILE SHEETS

NUMBER:

SCALE : 1:0

FORMAT:

ARCHIV:

DIG NO:

1:
MOSAIC MILE SHEETS
REGIONAL HIGHWAY OFFICE

SOURCE NUMBER(S): BORROW PITS 1 TO 35

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ALIGNMENT

LEVEL: FIELD DRILLING, BORROW CHECKING

SIZE : 165 BHs, 60.7 KM

SURVEY PATTERN: CENTRELINE AND RANDOM

SURVEY SPACING: N/A

SEASON: SPRING

PROGRAM LENGTH: MAY/72

EQUIPMENT : AUGER

PENETRATION: APPROX. 6.0 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIABLE

QUALITY: N/A

TYPE : N/A

SIZE : OVER 500 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING

REPORT : EVALUATION OF BORROW

DISTRIB: SPONSOR/CONTRACTOR

OTHER : PWC74FSLF

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 4TH FLOOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: PWC74BRBS MONTH: 3 YEAR: 1974

SPONSOR : DPW CANADA

JOB NO : CONTACT:

CONTRACTOR : DPW CANADA

JOB NO : CONTACT: R.D. COOK

REPORT TITLE: GEOTECHNICAL INVESTIGATION;PROPOSED REVISIONS,MILE 505 TO MILE 547, MACKENZIE HWY,

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	63.83333	64.20800	64.58333
LONGITUDE:	124.00000	124.50000	125.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	BLACKWATER TO BIG SMITH TO BOSWORTH CRK	AIR PHOTO MOSAICS

NUMBER:

1:12000

SCALE : 1:0

PAPER COPY

FORMAT:

IN REPORT

ARCHIV:

N/A

DIG NO:

SOURCE NUMBER(S): B28:BP-74-1,2A,2B,3
B31:BP-74-4,5
B32:BP-74-6
B32A:74-7,8,9,10,11,12
B33B:73-13,74-14,15,16,17

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL,BORROW SITES

LEVEL: DELINEATE TERRAIN,PERMAFROST,AIR PHOTO INTERP

SIZE : 301 BHS

SURVEY PATTERN: LINE

SURVEY SPACING: 300M

SEASON:

PROGRAM LENGTH: MAR 1-APRIL 4,1974

EQUIPMENT : MOBILE B-50 AUGER WITH COMPRESSED AIR,KENTING HELI-DRILL ON NODWELL

PENETRATION: 5.2M CL BHS

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.9-1.2M

QUALITY: POOR CORE AND SPLIT SPOON, FAIR DISTURBED

TYPE : DISTURBED,SPLIT SPOON,CORE

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES,QUALITY AND QUANTITY OF BORROW, PERMAFROST,STREAM CROSSI

REPORT : FORMAL GEOTECHNICAL,BH LOGS,AIR PHOTO MOSAICS

DISTRIB: SPONSOR/CONTRACTOR

OTHER : UMA

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GSC

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: PWC74FGDH MONTH: 2 YEAR: 1974

SPONSOR : DPW CANADA
JOB NO : CONTACT:
CONTRACTOR : DPW CANADA, W REGION
JOB NO : CONTACT: R.D. COOK
REPORT TITLE: REPORT OF GEOTECHNICAL INVESTIGATION MILE 725 TO MILE 936, MACKENZIE HIGHWAY, VOL. I

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	66.28333	67.12500	67.96666
LONGITUDE:	128.75000	131.37500	134.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT HOPE TO DEMPSTER HWY	10 MILE SECTION MAPS

NUMBER: ROUTE MAP M725 TO M936	
SCALE : 1:630000	1:50000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO: N/A	N/A

SOURCE NUMBER(S): B-1 TO B-196

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL-ALIGNMENT AND 196 POTENTIAL BORROW SITES
LEVEL: EXPLORATION DRILLING, AIR PHOTO INTERP. AND TERRAIN EVALUATION

SIZE : 1300 CL BHS, 1865 BORROW BHS
SURVEY PATTERN: LINE
SURVEY SPACING: 300M
SEASON: WINTER PROGRAM LENGTH: NOV 18 1973-APR 10 1974

EQUIPMENT : MAYHEW 1000 ROTARY DRILL WITH COMPRESSED AIR, 4 7/8 YELLOW JACKET WALMAC, CARBIDE IN

PENETRATION: 2.4-12.2M-GENERALLY 4.5M(M.725-775) & 9.1M(M775+) CL BHS, 7.5-9.1M FOR BORROW BHS

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.9-1.5M(VARIES), 30M BELOW 4.5M FOR DIST, SELECTED SPT
QUALITY: GOOD
TYPE : DISTURBED, SPLIT SPOON
SIZE : 19000 TOTAL

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY & PROPERTIES, PERMAFROST, QUANTITY/QUALITY OF BORROW, STREAM CROSSINGS
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER : DPW(1972) HELI-DRILLING, CAGSL PIPELIE

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR/GSC
DATA : SPONSOR/CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PWC74MVTG

MONTH: 3

YEAR: 1974

SPONSOR : PUBLIC WORKS CANADA

JOB NO : CONTACT:

CONTRACTOR : PUBLIC WORKS CANADA

JOB NO : 9305-52-300 CONTACT:

REPORT TITLE: MACKENZIE HIGHWAY NWT MILE 497.9 TO MILE 506.2 ALIGNMENT AND GEOTECHNICAL REPORT,

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	64.00000	64.05000	64.10000
LONGITUDE:	124.15000	124.20000	124.25000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	TEST HOLE LOCATIONS

NUMBER:	APPENDIX B
SCALE : 1:0	1:12000
FORMAT:	BLUELINE MOSAIC
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ALIGNMENT

LEVEL: EXPLORATION, RECOMMENDATIONS

SIZE : 19 BOREHOLES, 3 ALTERNATIVE ALIGNMENTS

SURVEY PATTERN: ALIGNMENT

SURVEY SPACING: RANDOM

SEASON: EARLY SPRING

PROGRAM LENGTH: MAR & APR/74

EQUIPMENT : AUGER, HELIDRILL

PENETRATION: 5.0M

RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : MOISTURE CONTENTS

REPORT : RECOMMENDATIONS ON ALTERNATE ALIGNMENTS

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PWC76CC

MONTH: 3 YEAR: 1975

SPONSOR : PUBLIC WORKS CANADA

JOB NO : CONTACT:

CONTRACTOR : PUBLIC WORKS CANADA, WESTERN REGION

JOB NO : CONTACT:

REPORT TITLE: SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED CANYON CREEK BRIDGE, MILE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	0	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	65.22000	0.00000
LONGITUDE:	0.00000	126.53000	0.00000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE HIGHWAY

SITE PLAN
CANYON CREEK BRIDGE MILE 620.4

NUMBER:

SCALE : 1:0

FORMAT:

ARCHIV:

DIG NO:

A-1

1:1200

FOLDED BLUELINE

IN REPORT

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: BRIDGE SITE

LEVEL: FIELD DRILLING, REVIEW OF EXISTING DATA

SIZE : 3 NEW BHs (4 BHs PREV DRLLD BY RM HARDY)

SURVEY PATTERN: ALIGNMENT

SURVEY SPACING: RANDOM

SEASON: WINTER

PROGRAM LENGTH: MARCH 29, 1975

EQUIPMENT : AIR ROTARY

PENETRATION: 14 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.0 TO 1.5 M

QUALITY: N/A

TYPE : N/A

SIZE : 31 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING

REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY: EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PWC76MT

MONTH: 3 YEAR: 1976

SPONSOR : PUBLIC WORKS CANADA

JOB NO : CONTACT:

CONTRACTOR : PUBLIC WORKS CANADA, WESTERN REGION

JOB NO : CONTACT:

REPORT TITLE: SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED MARTIN RIVER, BRIDGE MILE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	61.90000	0.00000
LONGITUDE:	0.00000	121.60000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	MARTIN RIVER BRIDGE MILE 306.7

NUMBER:

SCALE : 1:0 1:12000, 1200

FORMAT: PAPER

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: BRIDGE SITE

LEVEL: FIELD DRILLING, REVIEW OF EXISTING DATA

SIZE : 6 BOREHOLES, 2 SITES

SURVEY PATTERN:

SURVEY SPACING: RANDOM

SEASON: SUMMER, WINTER PROGRAM LENGTH: AUG/72, JAN/75, MAR/76

EQUIPMENT : N/A, ROTARY, B-50 AUGER

PENETRATION: 10 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M TO 3.0M

QUALITY: N/A

TYPE : N/A

SIZE : 46 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING

REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PWC76SRLS

MONTH: 3 YEAR: 1975

SPONSOR : PUBLIC WORKS CANADA

JOB NO : CONTACT:

CONTRACTOR : PUBLIC WORKS CANADA, WESTERN REGION

JOB NO : CONTACT:

REPORT TITLE: SUPPLEMENTARY REPORT, GEOTECHNICAL INVESTIGATION, SALINE RIVER BRIDGE MILE 521.0 A

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	64.30000	64.37500	64.45000
LONGITUDE:	124.50000	124.62500	124.75000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE HIGHWAY

SITE PLAN
SALINE RI ML520.0, LTTL SMITH CR
ML533.0

NUMBER:

SCALE : 1:0

FORMAT:

ARCHIV:

DIG NO:

SOURCE NUMBER(S):

A-1, B-1

1:1200

FOLDED BLUELINES

IN REPORT

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: BRIDGE SITE

LEVEL: FIELD DRILLING, REVIEW OF EXISTING DATA

SIZE :

SURVEY PATTERN: 4 NEW BHs (9 PREVIOUSLY DRILLED: UMA)

SURVEY SPACING: ALIGNMENT

SEASON: RANDOM

WINTER

PROGRAM LENGTH: MAR/75

EQUIPMENT :

AIR ROTARY

PENETRATION:

11 M

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.0 TO 1.5 M

QUALITY: N/A

TYPE : N/A

SIZE : 35 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING

REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: PWC76WC

MONTH: 2 YEAR: 1975

SPONSOR : PUBLIC WORKS CANADA
JOB NO : CONTACT:
CONTRACTOR : PUBLIC WORKS CANADA, WESTERN REGION
JOB NO : CONTACT:
REPORT TITLE: SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED WHITESAND CREEK BRIDGE, M

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.55000	0.00000
LONGITUDE:	0.00000	123.70000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	WHITESAND CREEK MILE 459.7

NUMBER:	A-1
SCALE : 1:0	1:1200
FORMAT:	FOLDED BLUELINE
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING, REVIEW OF EXISTING DATA

SIZE : 5 NEW BH (4 PREVIOUSLY DRILLED: UMA)
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH: FEB/75

EQUIPMENT : AIR ROTARY, AUGER

PENETRATION: 18M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 1.0 TO 1.5 M
QUALITY: N/A
TYPE : N/A
SIZE : 26 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CLASSIFICATION TESTING
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: PWC76WL MONTH: 3 YEAR: 1976

SPONSOR : PUBLIC WORKS CANADA
JOB NO : CONTACT:
CONTRACTOR : PUBLIC WORKS CANADA, WESTERN REGION
JOB NO : CONTACT:
REPORT TITLE: SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED WILLOWLAKE RIVER BRIDGE,

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	62.70000	0.00000
LONGITUDE:	0.00000	123.08000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	WILLOWLAKE RI CRSSG CNTRLN PROFL & STRAT
NUMBER:		
SCALE : 1:0	A-1	
FORMAT:	1:1200	
ARCHIV:	FOLDED BLUELINE	
DIG NO:	IN REPORT	
SOURCE NUMBER(S):		

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: FIELD DRILLING, REVIEW OF EXISTING DATA

SIZE :
SURVEY PATTERN: 6 NEW BHs (7 PREVIOUSLY DRILLED: ACRES)
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM
WINTER PROGRAM LENGTH: FEB/75, MAR/76
EQUIPMENT :
AIR ROTARY, B-50 AUGER
PENETRATION:
42M
RESOLUTION :
GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.6 TO 6.0M
QUALITY: N/A
TYPE : N/A
SIZE : 40 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CLASSIFICATION TESTING
REPORT : FORMAL REPORT WITH FOUNDATION RECOMMENDATIONS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/23 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL69MV

MONTH: 10 YEAR: 1969

SPONSOR : CANADIAN BECHTEL LTD.

JOB NO : CONTACT:

CONTRACTOR : KLOHN LEONOFF LTD (RKL)

JOB NO : ED1005-1008 CONTACT:

REPORT TITLE: EVALUATION OF SUB-SURFACE CONDITIONS, MACKENZIE VALLEY PIPELINE PRUDHOE BAY TO AB B

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	11
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	60.00000	64.25000	68.50000
LONGITUDE:	119.50000	128.08300	136.66666

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	AIR PHOTO MOSAICS

NUMBER: E-1005-2

N/A

SCALE : 1:6400000

1:N/A

FORMAT: PAPER COPY

PAPER COPY

ARCHIV: IN REPORT

IN REPORT

DIG NO: N/A

N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL

LEVEL: AIR PHOTO INTERP, DRILLING

SIZE : 1148 MILES = 1837 KM

SURVEY PATTERN: LINE

SURVEY SPACING: 1600-1600M

SEASON: FALL

PROGRAM LENGTH: SEPT.-NOV 1969

EQUIPMENT : FAILING HOLEMASTER ROTARY-COMPRESSED AIR; HELI-DRILL ROTARY-AUGER TO 3M, THEN COMPRES

PENETRATION: 4.5-6.1M, 9.1M-12.2M @ RIVER CROSSINGS(SILT, SAND, GRAVEL, SHALE, CLAY, PEAT)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M

QUALITY: GENERALLY GOOD TO FAIR

TYPE : DIST., SPLIT SPOON (75MM), HWT(50MM)

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : TERRAIN EVALUATION, GEOLOGY, SUBSOIL CONDITIONS, FOUNDATIONS, PERMAFROST STRATIGRAPHY

REPORT : FORMAL GEOTECHNICAL, AIR PHOTO MOSAICS

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GSC

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: RKL70MV MONTH: 9 YEAR: 1970

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.
JOB NO : CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CA1032 CONTACT: BILL CHIN
REPORT TITLE: PRESENTATION OF TEST HOLE LOG DATA, PRUDHOE BAY, AK TO AB/NWT BOUNDARY, 1970

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	11
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	60.00000	63.25000	36.50000
LONGITUDE:	119.00000	127.62500	136.25000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	

NUMBER:
SCALE : 1:0 1:
FORMAT:
ARCHIV:
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: AIR PHOTO INTERP., FIELD RECON AND DRILLING

SIZE : 1200 MILES=1920 KM
SURVEY PATTERN: LINE
SURVEY SPACING: N/A
SEASON: FALL PROGRAM LENGTH: AUG-NOV 1970

EQUIPMENT : HELI-DRILL-COMPRESSED AIR
PENETRATION: 6.0M USUAL UP TO 12.2M(CLAY,SILT,SAND,GRAVEL,SHALE)
RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.9-1.5M, 3.0M DEEPER THEN 6.0M
QUALITY: FAIR
TYPE : DISTURBED, SPLIT BARREL(50MM)
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL STRATIGRAPHY
REPORT : TEST DATA, BH LOGS
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER : PHOTO MOSAIC AND TERRAIN INVESTIGATION DATA REPORT

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR/GSC
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL7OSSNW

MONTH: 10 YEAR: 1970

SPONSOR : MACKENZIE VALLEY PIPE LINE RESEARCH LTD.

JOB NO : CONTACT:

CONTRACTOR : RIPLEY, KLOHN & LEONOFF ALBERTA LTD.

JOB NO : ED1034 CONTACT:

REPORT TITLE: PRELIMINARY GEOTECHNICAL INVESTIGATION FOR UNDERGROUND TEST LOOP IN DISCONTINUOUS

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.30000	65.50000	65.70000
LONGITUDE:	126.80000	127.77500	128.75000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE VALLEY

SITE PLAN
SANS SAULT RAPIDS, NORMAN WELLS

NUMBER:

SCALE : 1:0

FORMAT:

1:

MISSING FROM REPORT

ARCHIV:

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: 2 SPECIFIC SITES

LEVEL: REVIEW OF EXISTING REPORTS, FIELD DRILLING

SIZE : 2 SITES, 37 BHs

SURVEY PATTERN: GRID

SURVEY SPACING: 600M

SEASON: LATE SUMMER

PROGRAM LENGTH: 9 DAYS

EQUIPMENT : MAYHEW 500

PENETRATION: 6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS

QUALITY: GOOD

TYPE : SPLIT SPOON, CORE, GRAB

SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, PERMAFROST EVALUATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM, 5TH FLOOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31

UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73AR

MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: COMMUNITY GRANULAR MATERIALS INVENTORY ARCTIC RED RIVER NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	539000	555500	572000
NORTHING:	7472000	7478500	7485000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	ARCTIC RED RIVER	

NUMBER:
SCALE : 1:0 1:125000
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): AR-600-AR-609,650

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 11 SITES
LEVEL: COMPILE EXISTING DATA,GSC,PIPELINE ROUTE STUDIES,OTHER RKL,FIELD RECON & DRIL

SIZE : 11 SOURCES,10 TP,15 BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER PROGRAM LENGTH: N/A

EQUIPMENT : N/A

PENETRATION: 2.4M-40.0M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOURCE QUALITY/QUANTITY,ACCESS,RESTORATION
REPORT : FORMAL GEOTECHNICAL AND SUMMARY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73CH

MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: GRANULAR MATERIALS INVENTORY, ZONE III (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	554800	563400	572000
NORTHING:	7620000	7623600	7627200
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	CARIBOU HILLS	CARIBOU HILLS

NUMBER:	FIG. 1	FIG. 2
SCALE :	1:1619000	1:250000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S): 300A,301,302,303,304,305,306,307,308,309,310A,311,312,313,314,315,
316,317,318,319,320,321,322,323A,324A,325,326,327,328A

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: COMPILATION OF EXISTING DATA,GSC,PIPELINE STUDIES,OTHER RKL WORK, AIRPHOTO INTER

SIZE :
SURVEY PATTERN: 29 SOURCES,51 TP,2 EXP,91 BHS
SURVEY SPACING: IRREGULAR
SEASON: IRREGUALR
SUMMER PROGRAM LENGTH: N/A

EQUIPMENT :
HAND TOOLS
PENETRATION:
TP 0.6-2.1M,EXP 1.2M,BH 4.3M-11.5M
RESOLUTION :
GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIES
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SURFICIAL GEOLOGY,PROPERTIES,GRAIN SIZES,QUALITY/QUANTITY OF BORROW
REPORT : FORMAL GEOTECHNICAL AND SUMMARY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/21 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73FM

MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: COMMUNITY GRANULAR MATERIALS INVENTORY, FORT MCPHERSON NWT (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	499500	520250	541000
NORTHING:	7471000	7609675	7748350
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	FORT MCPHERSON	FORT MCPHERSON (ARCTIC RED R)

NUMBER:	N/A
SCALE : 1:0	1:125000
FORMAT:	PAPER COPY
ARCHIV:	IN REPORT
DIG NO:	N/A

SOURCE NUMBER(S): FM-500-FM-505,650

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 7 SITES
LEVEL: COMPILE EXISTING DATA,GSC,OTHER RKL,AIR PHOTO, FIELD RECON,DRILLING, SURFACE SAMP

SIZE : 7 SOURCES,6 TP,11 BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: N/A
SEASON: SUMMER PROGRAM LENGTH: N/A

EQUIPMENT : N/A

PENETRATION: 2.4M-12.2M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOURCE QUALITY,QUANTITY,ACCESS,RESTORATION
REPORT : FORMAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL731N

MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD. (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: COMMUNITY GRANULAR MATERIALS INVENTORY INUVIK, NWT (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	520000	551000	582000
NORTHING:	7575000	7607500	7640000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:
NAME : INUVIK GENERAL LOCATION SITE PLAN
MAP FOR EACH SOURCE

NUMBER: MAP 1, MAP 1-407
SCALE : 1:125000
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO: N/A

1:

SOURCE NUMBER(S): 1-400, 1-401A, 1-402, 1-403, 1-404, 1-405A, 1-406, 1-407

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: 8 SITES

LEVEL: COMPILE EXISTING DATA, GSC, PIPELINE ROUTE STUDIES, OTHER RKL WORK, FIELD CHECK, SUR

SIZE : 8 SOURCES, 25 BHS, 7 TPS, 3 EXPOSURES
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER PROGRAM LENGTH:

EQUIPMENT : HAND TOOLS

PENETRATION: 0.7M-7.4M-12.2M (SAND, GRAVEL, BEDROCK)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.0-2.5M-VARIES

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, PROPERTIES, GRAIN SIZE, QUALITY/QUANTITY OF BORROW

REPORT : FORMAL GEOTECHNICAL, SUMMARY TABLES

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY: EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73MV

MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : T8714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: GRANULAR MATERIALS INVENTORY,ZONE IV,V,VI (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	476500	555250	594000
NORTHING:	7449000	7518500	7588000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE VALLEY	AKLAVIK/INUVIK, FT. MCPHERSON, ARCTIC REDR

NUMBER:	
SCALE : 1:1639000	N/A
FORMAT: PAPER COPY	1:250000
ARCHIV: IN REPORT	PAPER COPY
DIG NO: N/A	IN REPORT
	N/A

SOURCE NUMBER(S):
ZONE IV 450,451,452,453,454,455,456A,457A,458A,ZONE V 550,551,552A,
553,554,555,ZONE VI 650,651A,652,653,654,655A

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: COMPILE EXISTING DATA,GSC,PIPELINE ROUTE STUDIES,OTHER RKL WORK, AIR PHOTO INTER
SIZE :
SURVEY PATTERN: 21 SOURCES,38 TP,2 EXP.,15 BHS
SURVEY SPACING: IRREGULAR
SEASON: N/A

PROGRAM LENGTH: N/A

EQUIPMENT :

HAND TOOLS

PENETRATION:

0.6M-1.8M TPS,UP TO 30M EXP.,1.5M-12.2M BHS

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIES
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOURCE QUALITY,QUANTITY,ACCESS,RESTORATION
REPORT : FORMAL GEOTECHNICAL AND SUMMARY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: RKL73R1 MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: GRANULAR MATERIALS INVENTORY,ZONE II (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	492500	517750	543000
NORTHING:	7655000	7687000	7719000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	RICHARDS ISLAND	RICHARDS ISLAND
NUMBER:	FIG. 1	FIG. 2
SCALE :	1:1619000	1:250000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S): 200A,201A,202A,203A,204,205A,206,207,208A,209,210A,211,212,213,214,215,
216,217,218,219,220,221A,223,224,225,226,227

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: AIR PHOTO INTERP.,FIELD RECONNAISSANCE AND DRILLING,SURFACE SAMPLING,HANDDUG TPS

SIZE :
SURVEY PATTERN: 27 SOURCES,45 TP,14 EXPOSURES,58 BHS
SURVEY SPACING: NA
SEASON: NA

SUMMER PROGRAM LENGTH: NA

EQUIPMENT :
HAND TOOLS,NA

PENETRATION: TPS:0.6M-1.2M,EXP 1.8M-5.5M,BH 4.0-12.8M

RESOLUTION :
GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIES
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SURFICIAL GEOLOGY,PROPERTIES,GRAIN SIZES,QUALITY/QUANTITY OF BORROW
REPORT : FORMAL GEOTECHNICAL AND SUMMARY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/21 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73TK MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: COMMUNITY GRANULAR RESOURCES INVENTORY TUKTOYAKTUK, NWT (STAGE 2)

	MINIMUM	CENTRE	MAXIMUM
COORDINATES :			
UTM: ZONE:	8	8	8
EASTING:	580000	586250	592500
NORTHING:	7699000	7709750	7720500
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SOURCE MAPS	SITE PLAN
NAME : TUKTOYAKTUK		
NUMBER: MAP 1, T-113, T-114 MAP		
SCALE : 1:125000	1:	
FORMAT:		
ARCHIV:		
DIG NO:		

SOURCE NUMBER(S): T-100, T-101, T-102A, T-103A, T-104A, T-105, T-106, T-107, T-108A, T-109, T-110A, T-111A, T-112, T-113, T-114, T-115

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 16 SITES
LEVEL: COMPILE EXISTING DATA: GSC, PIPELINE ROUTE STUDIES, OTHER RKL, FIELD RECON, SURFAC

SIZE :
SURVEY PATTERN: 16 SOURCES, 15 TPS; 24 BHS FROM OTHER DATA
SURVEY SPACING: RANDOM
SEASON: RANDOM

EQUIPMENT : PROGRAM LENGTH: N/A

PENETRATION: HAND TOOLS

RESOLUTION : 1.3M AVG TPS; 4.5-8.4-9.1M BHS(T-115)

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES, GRAIN SIZE, QUALITY/QUANTITY OF BORROW
REPORT : FORMAL GEOTECHNICAL, SUMMARY TABLES
DISTRIB: SPONSOR/CONTRACTOR
OTHER : ESSO(IMPRIAL OIL LTD), AIR STRIP INVESTIGATION

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73TK MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: COMMUNITY GRANULAR RESOURCES INVENTORY TUKTOYAKTUK, NWT (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	580000	586250	592500
NORTHING:	7699000	7709750	7720500
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:
GENERAL LOCATION SITE PLAN
NAME : TUKTOYAKTUK SOURCE MAPS

NUMBER: MAP 1, T-113, T-114 MAP
SCALE : 1:125000 1:
FORMAT:
ARCHIV:
DIG NO:

SOURCE NUMBER(S): T-100, T-101, T-102A, T-103A, T-104A, T-105, T-106, T-107, T-108A, T-109, T-110A, T-111A, T-112, T-113, T-114, T-115

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: 16 SITES

LEVEL: COMPILE EXISTING DATA: GSC, PIPELINE ROUTE STUDIES, OTHER RKL, FIELD RECON, SURFAC

SIZE :

SURVEY PATTERN: 16 SOURCES, 15 TPS; 24 BHS FROM OTHER DATA

SURVEY SPACING: RANDOM

SEASON: RANDOM

SUMMER

PROGRAM LENGTH: N/A

EQUIPMENT :

HAND TOOLS

PENETRATION:

1.3M AVG TPS; 4.5-8.4-9.1M BHS(T-115)

RESOLUTION :

GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES, GRAIN SIZE, QUALITY/QUANTITY OF BORROW

REPORT : FORMAL GEOTECHNICAL, SUMMARY TABLES

DISTRIB: SPONSOR/CONTRACTOR

OTHER : ESSO(IMPERIAL OIL LTD), AIR STRIP INVESTIGATION

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL73TK MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : T8714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: COMMUNITY GRANULAR RESOURCES INVENTORY TUKTOYAKTUK, NWT (STAGE 2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	580000	586250	592500
NORTHING:	7699000	7709750	7720500
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:
GENERAL LOCATION SITE PLAN
NAME : TUKTOYAKTUK SOURCE MAPS

NUMBER: MAP 1, T-113, T-114 MAP
SCALE : 1:125000 1:
FORMAT:
ARCHIV:
DIG NO:

SOURCE NUMBER(S): T-100, T-101, T-102A, T-103A, T-104A, T-105, T-106, T-107, T-108A, T-109, T-110A, T-111A, T-112, T-113, T-114, T-115

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: 16 SITES

LEVEL: COMPILE EXISTING DATA: GSC, PIPELINE ROUTE STUDIES, OTHER RKL, FIELD RECON, SURFAC

SIZE :

SURVEY PATTERN: 16 SOURCES, 15 TPS; 24 BHS FROM OTHER DATA

SURVEY SPACING: RANDOM

SEASON: RANDOM

SUMMER

PROGRAM LENGTH: N/A

EQUIPMENT :
HAND TOOLS

PENETRATION:
1.3M AVG TPS; 4.5-8.4-9.1M BHS(T-115)

RESOLUTION :
GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A

QUALITY: N/A

TYPE : N/A

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES, GRAIN SIZE, QUALITY/QUANTITY OF BORROW

REPORT : FORMAL GEOTECHNICAL, SUMMARY TABLES

DISTRIB: SPONSOR/CONTRACTOR

OTHER : ESSO(IMPERIAL OIL LTD), AIR STRIP INVESTIGATION

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : SPONSOR/CONTRACTOR

ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: RKL73TR MONTH: 0 YEAR: 1973

SPONSOR : DIAND
JOB NO : TB714562 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD (RKL)
JOB NO : CONTACT: BILL CHIN
REPORT TITLE: GRANULAR MATERIALS INVENTORY, ZONE 1 (STAGE #2)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	9
EASTING:	554000	0	475500
NORTHING:	7678500	0	7794500
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	TUKTOYUKTUK PENINSULA	TUK WEST, TUK EAST
NUMBER:	FIG. 1	FIG. 2, FIG. 3
SCALE :	1:1639000	1:250000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S): ZONE 1 SOURCE 150,151,152A,153,154,155

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: COMPILATION OF EXISTING DATA, GSC, PIPELINE STUDIES, OTHER RKL WORK, AIR PHOTO INTE

SIZE : 6 SOURCES, 7 TP, 1 EXPOSURE
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER PROGRAM LENGTH: N/A

EQUIPMENT : HAND TOOLS

PENETRATION: 0.6M-0.8M-2.4M (GRAVEL, SAND, SILT)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIES
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SURFICIAL GEOLOGY, PROPERTIES, GRAIN SIZE, QUALITY/QUANTITY OF BORROW
REPORT : FORMAL GEOTECHNICAL AND SUMMARY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RKL74PL MONTH: 8 YEAR: 1974

SPONSOR : GULF CANADA RESOURCES LTD
JOB NO : P.O. 65890 CONTACT:
CONTRACTOR : KLOHN LEONOFF LTD.
JOB NO : AL0447 CONTACT: BILL CHIN
REPORT TITLE: GRANULAR MATERIALS INVENTORY, PARSONS LAKE, NWT, OCT 1974

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	450000	457550	465100
NORTHING:	7638700	7649400	7660100
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : PARSONS LAKE	PARSONS LAKE, ZONE 1 AND 2
NUMBER: B-1	SOURCE MAP 1, SOURCE MAP 2, SOURCE 1-
SCALE : 1:125000	1:12000, 1:6000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO: N/A	N/A

SOURCE NUMBER(S): SOURCES 1-11

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 4 ZONES, 11 SITES IN ZONES 1 & 2
LEVEL: COMPILE EXISTING DATA: GSC, OTHER KL, AIRPHOTO INTERP., FIELD RECON AND DRILLING

SIZE : 11 SOURCES, 282 BHS, 7 BANK EXPOSURES
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER PROGRAM LENGTH: 23 DAYS, JY 9-13, AUG 13-30, 1974

EQUIPMENT : N/A

PENETRATION: 1.2M-8.2M-18.3 (GRAVEL, SAND, SILT, CLAY)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIES, 0.6M-3.0M
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, PROPERITES, GRAIN SIZE ANALYSIS, QUALITY & QUANTITY OF BORROW
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/19 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH71MVTG MONTH: 8 YEAR: 1971

SPONSOR : NORTHWEST PROJECT STUDY GROUP
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD. FOR WILLIAMS BROTHERS CANADA LTD.
JOB NO : CONTACT:
REPORT TITLE: CANOL ROAD STUDY REPORT VOLUMES 1 AND 2, DEC 1971

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	65.05000	65.15000	65.25000
LONGITUDE:	127.00000	127.12500	127.25000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	CANOL ROAD

NUMBER: PLATE A2	PLATE A-3
SCALE : 1:500000	1:50000
FORMAT: PAPER COPY	PAPER COPY
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: RECONNAISSANCE, FIELD DRILLING

SIZE : 81 BHs
SURVEY PATTERN: ROADWAY
SURVEY SPACING: RANDOM
SEASON: SUMMER PROGRAM LENGTH: 14 DAYS

EQUIPMENT : B-30 AUGER

PENETRATION: AVG. 7M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.6M INTERVAL EVERY 3RD BH
QUALITY: DISTURBED
TYPE : GRAB
SIZE : APPROX. 300 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : HISTORY OF ROAD, TEST FOR SOIL CLASSIFICATION, SOIL STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/25 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH72MV

MONTH: 11 YEAR: 1974

SPONSOR : CANADIAN ARCTIC GAS STUDY
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD. FOR NORTHERN ENGINEERING SERVICES CO
JOB NO : E-2495 CONTACT:
REPORT TITLE: CANADIAN ARCTIC GAS STUDY TEST HOLE LOGS (PRELIMINARY), FEB 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.50000	64.50000	67.50000
LONGITUDE:	121.50000	128.25000	135.00000

LOCATION:

GENERAL LOCATION
NAME : MACKENZIE VALLEY

SITE PLAN

NUMBER:
SCALE : 1:0 1:
FORMAT:
ARCHIV:
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITES
LEVEL: FIELD DRILLING

SIZE : 26 BHs, 5 SITES
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH: OCT TO DEC/72

EQUIPMENT : ARCTIC AUGER

PENETRATION: AVG. 10M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 1M INTERVALS
QUALITY: DISTURBED
TYPE : GRAB
SIZE : APPROX. 150 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION
REPORT : PRESENTATION OF BOREHOLE DATA ONLY
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/25 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH73BS8C MONTH: 2 YEAR: 1973

SPONSOR : DPW CANADA

JOB NO : CONTACT:

CONTRACTOR : HARDY BBT LTD (RM HARDY)

JOB NO : E-2510 CONTACT: ALAN HANNA

REPORT TITLE: GEOTECHNICAL INVESTIGATION, MACKENZIE HWY, MILE 544 TO MILE 635, APRIL 20, 1973 (7 VOL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	64.50000	64.91500	65.33333
LONGITUDE:	124.75000	125.87500	127.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACK HWY-BIG SMITH CREEK TO
BOSWORTH CR

NUMBER: FIG. 2 1:12000

SCALE : 1:510600

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO: N/A

SOURCE NUMBER(S): 1-147

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL, 147 SITES

LEVEL: AIR PHOTO INTERP, TERRAIN EVALUATION, DRILLING & SAMPLING

SIZE :

1103 BHS

SURVEY PATTERN: LINE

SURVEY SPACING:

SEASON: WINTER

PROGRAM LENGTH: DEC 4, 1972-MAR 21, 1973

EQUIPMENT : FAILING 1000, MAYHEW 1000 ON NODWELL TRACKS, COMPRESSED AIR

PENETRATION: 4.0M-6.0M-9.1M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M, SELECTED FOR UNDISTURBED

QUALITY: FAIR

TYPE : DISTURBED, SHELBY TUBE, CORE

SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY & PROPERTIES, BORROW, SLOPE STABILITY, EROSION, PERMAFROST

REPORT : FORMAL GEOTECHNICAL, BORROW SUMMARIES

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GSC

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH73CR MONTH: 3 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE CRISTINE CREEK MILE 615.8 MACKENZIE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	65.20000	0.00000
LONGITUDE:	0.00000	126.40000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY	CRISTINE CREEK
NUMBER:	PLATE 1
SCALE : 1:0	1:5000
FORMAT:	FOLDED BLUELINE
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: AIR PHOTO, FIELD DRILLING

SIZE : 2 Bhs
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER PROGRAM LENGTH: 2 DAYS, MAR/73

EQUIPMENT : FAILING 1000

PENETRATION: 4.5M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1M INTERVALS
QUALITY: DISTURBED
TYPE : GRAB
SIZE : 6 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 4TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH73CY MONTH: 3 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.
JOB NO : E-2510 CONTACT:
REPORT TITLE: GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE CANYON CREEK, MILE 620.4 MACKENZI

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	65.22000	0.00000
LONGITUDE:	0.00000	126.53000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	CANYON CREEK
NUMBER:		PLATE 1
SCALE : 1:0		1:4800
FORMAT:		FOLDED PAPER COPY
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: AIR PHOTO INTERPRETATION, FIELD DRILLING

SIZE : 5 BHs
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER
PROGRAM LENGTH: 1 DAY, MAR12/73

EQUIPMENT : FALLING 1000

PENETRATION: 7 M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS
QUALITY: GOOD
TYPE : CRREL CORE, GRAB
SIZE : 44 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR AND 4TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH73FC MONTH: 3 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, FRANCIS CREEK, MILE 617.9, OCT 16

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	619000	0
NORTHING:	0	7233500	0
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	FRANCIS CREEK
NUMBER:		PLATE 1
SCALE : 1:0		1:1200
FORMAT:		FOLDED PAPER COPY
ARCHIV:		IN REPORT
DIG NO:		

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: BRIDGE SITE
LEVEL: AIR PHOTO INTERPRETATION, FIELD DRILLING

SIZE : 4 Bhs
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER
PROGRAM LENGTH: MAR12/73

EQUIPMENT : FAILING 1000

PENETRATION: 3.5M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS
QUALITY: GOOD
TYPE : GRAB
SIZE : 23 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR AND 4TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH73JR

MONTH: 3 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA

JOB NO : CONTACT:

CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.

JOB NO : E-2510 CONTACT:

REPORT TITLE: GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, JUNGLE RIDGE CREEK, MILE 602.1 MA

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	65.06000	0.00000
LONGITUDE:	0.00000	126.07000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	JUNGLE RIDGE CREEK

NUMBER:	PLATE 1
SCALE : 1:0	1:1000
FORMAT:	FOLDED PAPER
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: BRIDGE SITE

LEVEL: AIR PHOTO INTERPRETATION, FIELD DRILLING

SIZE : 3 Bhs
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER

PROGRAM LENGTH: MAR02/73

EQUIPMENT : FAIRING 1000

PENETRATION: 14.5M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS

QUALITY: GOOD

TYPE : CRREL CORE, GRAB

SIZE : 67 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR AND 4TH FLOOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/28 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH73PC

MONTH: 3 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA

JOB NO : CONTACT:

CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.

JOB NO : CONTACT:

REPORT TITLE: GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, PROHIBITION CREEK, MILE 612.4 MAC

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	626800	0
NORTHING:	0	7229500	0
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY	PROHIBITION CREEK

NUMBER:	PLATE 1
SCALE : 1:0	1:4800
FORMAT:	FOLDED PAPER
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: BRIDGE SITE

LEVEL: AIR PHOTO INTERPRETATION, FIELD DRILLING

SIZE : 9 Bhs
SURVEY PATTERN: ALIGNMENT
SURVEY SPACING: RANDOM
SEASON: WINTER

PROGRAM LENGTH: 3 DAYS, MAR09 - 11/73

EQUIPMENT : FAILING 1000

PENETRATION: 4M TO 15M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS

QUALITY: GOOD

TYPE : CRREL CORE, GRAB

SIZE : APPROX. 120

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR AND 4TH FLOOR

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/26 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: RMH74FSIN MONTH: 3 YEAR: 1974

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD. FOR NORTHERN ENGINEERING SERVICES CO
JOB NO : E-2575.60 CONTACT:
REPORT TITLE: PROPOSED ARCTIC GAS PIPELINE ROUTE 1974 WINTER DRILLING PROGRAM - INVESTIGATION OF

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.80000	65.40000	69.00000
LONGITUDE:	121.30000	127.45000	133.60000

LOCATION: GENERAL LOCATION SITE PLAN

NAME : MACKENZIE VALLEY
TRANSPORTATION CORRIDOR

NUMBER:

SCALE : 1:0 1:
FORMAT: MISSING FROM REPORT MISSING FROM REPORT

ARCHIV:

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITES
LEVEL: FIELD DRILLING

SIZE :

25 BHs

SURVEY PATTERN: SITE

SURVEY SPACING: RANDOM

SEASON: WINTER

PROGRAM LENGTH: 36 DAYS

EQUIPMENT : 2 DIAMOND CORE DRILLS, MAYHEW 500

PENETRATION: 5M TO 40M, 12.8M AVG.

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS

QUALITY: GOOD

TYPE : NQ WIRELINE CORE, SPLIT SPOON, CRREL CORE BARREL

SIZE : APPROX. 500 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY

REPORT : PRESENTATION OF FIELD AND LAB DATA

DISTRIB:

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11 FLOOR

DATA : CONTRACTOR

ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/25 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH74MD1

MONTH: 4 YEAR: 1974

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD. FOR NORTHERN ENGINEERING SERVICES CO
JOB NO : E-2575.60 CONTACT:
REPORT TITLE: GEOTECHNICAL REPORT - PROPOSED ARCTIC GAS PIPELINE ROUTE 1974 WINTER DRILLING PROG

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	68.80000	68.95000	69.10000
LONGITUDE:	134.60000	135.30000	136.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY TRANSPORTATION CORRIDOR	

NUMBER:

1:

MISSING FROM REPORT

SCALE : 1:0

FORMAT: MISSING FROM REPORT

ARCHIV:

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: PIPELINE ROUTE
LEVEL: FIELD DRILLING

SIZE :

22 LAND BHs, 4 CROSSING SITES, 43 BHs

SURVEY PATTERN: CORRIDOR

SURVEY SPACING: RANDOM

SEASON: WINTER

PROGRAM LENGTH: APR02-08/74, APR07-14/74

EQUIPMENT : RANGER HELIDRILL, MAYHEW 1000, MAYHEW 500

PENETRATION: LAND 5M, CROSSING 8M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS

QUALITY: GOOD

TYPE : CRREL CORE, GRAB, SPLIT SPOON

SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : PRESENTATION OF FIELD AND LABORATORY TEST DATA

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR

DATA : CONTRACTOR

ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/25 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH74MD1 MONTH: 4 YEAR: 1974

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD. FOR NORTHERN ENGINEERING SERVICES CO
JOB NO : E-2575-60 CONTACT:
REPORT TITLE: GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE CROSS DELTA ALTERNATIVE ROUT

	MINIMUM	CENTRE	MAXIMUM
COORDINATES :			
UTM: ZONE:	8	8	8
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	67.50000	68.25000	69.00000
LONGITUDE:	137.00000	137.22500	137.45000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE DELTA	CROSS DELTA ROUTE DRILL HOLE LOCATIONS
NUMBER:	
SCALE : 1:0	PLATES 1, 2 AND 3
FORMAT:	1:250000
ARCHIV:	FOLDED BLUELINE
DIG NO:	IN REPORT (NES75NM)
SOURCE NUMBER(S):	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: ALIGNMENT
LEVEL: FIELD DRILLING

SIZE :
SURVEY PATTERN: 66 BHS
SURVEY SPACING: ALIGNMENT
SEASON: RANDOM

EQUIPMENT : SPRING PROGRAM LENGTH: APR02 - 14/74
RANGER, MAYHEW 1000, MAYHEW 500

PENETRATION: 1.1 TO 9.9M, AVG 6.8M

RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : VARIABLE
QUALITY: N/A
TYPE : DISTURBED AND UNDISTURBED, EXACT METHOD OF SAMPLING NOT AVAILABLE
SIZE : APPROX. 400 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : CLASSIFICATION TESTING
REPORT : FIELD LOGS AND LABORATORY DATA ONLY INCLUDED IN NES75NM
DISTRIB: SPONSOR/CONTRACTOR
OTHER : RMH74TFS, NES74YATR, NES75SB

ARCHIVING OF INFORMATION:
REPORT : IN NES75NM (SECTION II)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: RMH74TLFS MONTH: 6 YEAR: 1973

SPONSOR : CANADIAN ARCTIC GAS STUDY LTD.
JOB NO : CONTACT:
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD. FOR NORTH. ENG. SERVS. CO. LTD.
JOB NO : E-2575.30 CONTACT:
REPORT TITLE: GEOTECHNICAL REPORT PROPOSED ARCTIC GAS PIPELINE ROUTE TRAVAILLANT LAKE SECTION AN

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	10
EASTING:	572000	0	619000
NORTHING:	6805000	0	7578000
OR: LATITUDE:	61.00000	0.00000	68.00000
LONGITUDE:	120.00000	0.00000	132.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE VALLEY	TRAVAILLANT LAKE SECTION FORT SIMPSON
NUMBER:		
SCALE : 1:0		E-2575-30-100 TO 101
FORMAT:		1:250000 AND 24000
ARCHIV:		PAPER
DIG NO:		IN REPORT
SOURCE NUMBER(S):		

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ALIGNMENT; SITE SPECIFIC
LEVEL: RECONNAISSANCE AND EXPLORATION

SIZE :

SURVEY PATTERN: 51 BOREHOLES
SURVEY SPACING: ALIGNMENT, RANDOM
SEASON: VARIOUS

SPRING PROGRAM LENGTH: MAY 24 TO JUN 9/73

EQUIPMENT :

RANGER III, ARCTIC AUGER

PENETRATION:

5.0M

RESOLUTION :

VERY GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS CRREL CORE AND AUGER CUTTINGS
QUALITY: VERY GOOD
TYPE : CRREL, DISTURBED AUGER, CRREL, SPLIT SPOON
SIZE : APPROX. 400 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION
REPORT : DATA COMPILATION REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH77TK1

MONTH: 7 YEAR: 1977

SPONSOR : DEPT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
JOB NO : OSU77-00133 CONTACT: ROBERT GOWAN
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	8
EASTING:	570000	0	580000
NORTHING:	7698000	0	7726000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : TUKTOYAKTUK	DEPOSIT AIR PHOTOS
NUMBER: FIGURE 1	DEPOSITS 156 TO 177
SCALE : 1:250000	1:56400
FORMAT: PAPER	PAPER
ARCHIV: IN REPORT	IN REPORT
DIG NO:	

SOURCE NUMBER(S): DEPOSITS 156 TO 177

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: REGIONAL
LEVEL: LITERATURE REVIEW, OFFICE STUDY, FIELD RECONNAISSANCE, FIELD INVESTIGATION, LAB

SIZE : 22 PTNTL SRCS, 48TPs, 7 H2O JTNG LCNTNS
SURVEY PATTERN: RANDOM
SURVEY SPACING: RANDOM
SEASON: SUMMER PROGRAM LENGTH: JUL15 TO 24/77

EQUIPMENT : JACK HAMMER, PICK, SHOVEL, WATER JETTING EQUIPMENT

PENETRATION: 0.3M TO 4.9M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY: GOOD
TYPE : DISTURBED GRAB SAMPLES
SIZE : 51 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION AND CONCRETE AGGREGATE TESTS
REPORT : FORMAL DEPOSIT REPORTS, INCLUDING SETTING, MATERIAL, VOLUME AND ASSESSMENT
DISTRIB: SPONSOR/CONTRACTOR/AINA
OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: RMH77TK2

MONTH: 9 YEAR: 1977

SPONSOR : DEPT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
JOB NO : OSU77-00240 CONTACT: ROBERT GOWAN
CONTRACTOR : R.M. HARDY & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: GEOPHYSICAL EVALUATION OF GRANULAR MATERIAL RESOURCES, TUKTOYAKTUK HARBOUR NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	8
EASTING:	577000	0	580500
NORTHING:	7703000	0	7707500
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	TUKTOYAKTUK HARBOR	SURVEY LINE LOCATION MAP

NUMBER:	MAP 1
SCALE : 1:0	1:10000
FORMAT:	FOLDED BLUELINE
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S): DEPOSIT 162

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOPHYSICAL
SCOPE: REGIONAL
LEVEL: GEOPHYSICAL DATA ACQUISITION, DATA INTERPRETATION, OFFICE STUDY

SIZE : 1 DEPOSIT, 45.1 LINE KMS
SURVEY PATTERN: LINE
SURVEY SPACING:
SEASON: FALL

PROGRAM LENGTH: SEPT29 TO OCT03/77

EQUIPMENT : RAYTHEON RTT-1000A PROFILING SYSTEM, KELVIN HUGHES MS26B PROFILER, FURUND FATHOMETE

PENETRATION: MAX. 7.0M

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP :
REPORT : FORMAL GEOPHYSICAL REPORT INCLUDING RECOMMENDATIONS ON RESOURCE DEVELOPMENT
DISTRIB: SPONSOR/CONTRACTOR/AINA
OTHER : RMH77TK

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY PIPELINE ROOM 5TH FLOOR
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/27 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: TAMS75MD MONTH: 0 YEAR: 1975

SPONSOR : DPW NWT
JOB NO : 9305-52-023-1 CONTACT:
CONTRACTOR : TERRAIN ANALYSIS AND MAPPING SERVICES LTD.
JOB NO : CONTACT: VERN RAMPTON
REPORT TITLE: BEDROCK SOURCES OF HIGHWAY MATERIALS, INUVIK TO TUKTOYAKTUK HIGHWAY OCT 1975

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	550000	565000	580000
NORTHING:	7585000	7647500	7710000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : INUVIK TO TUKTOYAKTUK	CARIBOU HILLS, DOUGLAS CR, NOELL L, INUVIK
NUMBER: FIG. 1	
SCALE : 1:250000	FIG. 2,3,5,7,8
FORMAT: PAPER COPY	1:
ARCHIV: IN REPORT	
DIG NO: N/A	
SOURCE NUMBER(S):	
1-18	

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOLOGICAL
SCOPE: REGIONAL
LEVEL: EXTRAPOLATION OF GEOLOGIC, STRATIGRAPHY, INTERP. OF GEOLOGIC TERMS, NO DRILLING, FIE

SIZE :
SURVEY PATTERN: 18 BORROW SOURCES
SURVEY SPACING: N/A
SEASON: N/A PROGRAM LENGTH: N/A
EQUIPMENT :
N/A
PENETRATION: N/A
RESOLUTION : N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : N/A
QUALITY: N/A
TYPE : N/A
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : TERTIARY/CRETACEOUS GEOLOGY & GEOMORPHOLOGY, NEAR SURFACE BEDROCK FOR BORROW
REPORT : GEOLOGICAL REVIEW
DISTRIB: SPONSOR/CONTRACTOR
OTHER : DPW SHOT HOLE LOGS

ARCHIVING OF INFORMATION:

REPORT : SC/U OF C AINA
DATA : SPONSOR/CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY: EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: TCL80NW MONTH: 11 YEAR: 1980

SPONSOR : DPW NWT
JOB NO : SC202776 CONTACT: BRYAN PETERSON
CONTRACTOR : THURBER CONSULTANTS LTD.
JOB NO : 15-22-17 CONTACT: L.B. SMITH
REPORT TITLE: NORMAN WELLS LAND ASSEMBLY, GEOTECHNICAL INVESTIGATION

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	9	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	65.33333	0.00000
LONGITUDE:	0.00000	127.00000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	NORMAN WELLS LAND ASSEMBLY	LAND ASSEMBLY(AIR PHOTO MOSAIC)
NUMBER:	15-22-17-1	15-22-17-2
SCALE :	1:200000	1:3000
FORMAT:	PAPER COPY	PAPER COPY
ARCHIV:	IN REPORT	IN REPORT
DIG NO:	N/A	N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: DELINEATION, PERMAFROST, STRATIGRAPHY

SIZE : 17 BH
SURVEY PATTERN:
SURVEY SPACING:
SEASON: PROGRAM LENGTH: 3 DAYS, NOV 7-9

EQUIPMENT : MAYHEW 1000 ROTARY DRILL-AIR CIRC

PENETRATION: 4.0-17.5M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M-SELECTED
QUALITY: GOOD
TYPE : SHELBY TUBE, DISTURBED
SIZE : 9 SHELBY, 14 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, FILL, BORROW, FOUNDATIONS, UTILITIES, DRAINAGE

REPORT : FORMAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER : EBA(1976)UTILIDER NORMAN WELLS-MM DILLON LTD. GEOTECH EVAL, GSC RPT 73-37, RPT 73-38, PWC 1974

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GSC
DATA : SPONSOR/CONTRACTOR
ACCESS : CONTACT SPONSOR/CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/15 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: TEC76MV MONTH: 4 YEAR: 1976

SPONSOR : BEAUFORT-DELTA OIL PROJECT LTD.
JOB NO : CONTACT:
CONTRACTOR : TECHMAN LTD.
JOB NO : TM140 CONTACT:
REPORT TITLE: BEAUFORT-DELTA OIL PROJECT LIMITED: PRELIMINARY BORROW SOURCE STUDY MACKENZIE VAL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	0	11
EASTING:	468000	0	400000
NORTHING:	6684000	0	7733000
OR: LATITUDE:	0.00000	0.00000	0.00000
LONGITUDE:	0.00000	0.00000	0.00000

LOCATION:
GENERAL LOCATION SITE PLAN
NAME : MACKENZIE VALLEY

NUMBER: BD-1 TO BD-17
SCALE : 1:0 1:125000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S): BD1-D1(3) TO BD17-14(3)

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : COLLECTION OF BORROW INFORMATION
SCOPE: MACKENZIE VALLEY REGION
LEVEL: RESEARCH OF PREVIOUS FIELD WORK

SIZE : 791 BORROW SOURCES
SURVEY PATTERN: MACKENZIE CORRIDOR
SURVEY SPACING:
SEASON: PROGRAM LENGTH:

EQUIPMENT :

PENETRATION:

RESOLUTION :

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE :
QUALITY:
TYPE :
SIZE :

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP :
REPORT : BORROW EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : AINA U OF C LIBRARY 11TH FLOOR
DATA : CONTRACTOR
ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: TEM71MV

MONTH: 2 YEAR: 1971

SPONSOR : ALBERTA GAS TRUNK LINE CO. LTD./GAS ARCTIC PROJECT

JOB NO : CONTACT:

CONTRACTOR : TEMPLETON CONSULTANTS LTD.

JOB NO : CONTACT:

REPORT TITLE: DATA REPORT ON PRELIMINARY SOILS AND TERRAIN INVESTIGATION PROGRAM MILE 100 TO MIL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	61.12000	63.47500	65.83000
LONGITUDE:	121.40000	124.90000	128.40000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE VALLEY PIPELINE
CORRIDOR

NUMBER:

1:

SCALE : 1:253000

FORMAT: FOLDED BLUELINE

ARCHIV: IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: PIPELINE

LEVEL: EXPLORATION, AIR PHOTO, RECONNAISSANCE

SIZE :

675 KM, 266 BOREHOLES

SURVEY PATTERN: CORRIDOR

SURVEY SPACING: RANDOM

SEASON: SUMMER

PROGRAM LENGTH: 22 DAYS, FEB16 TO APR10/71

EQUIPMENT : MAYHEW 1000

PENETRATION: 6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1M INTERVALS

QUALITY: GOOD

TYPE : GRAB, CORE

SIZE : OVER 100 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : ROUTINE CLASSIFICATION

REPORT : GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER :

ARCHIVING OF INFORMATION:

REPORT : AINA U OF C LIBRARY 11TH FLOOR

DATA : CONTRACTOR

ACCESS : CONTACT ESSO RESEARCH DEPT.

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/17 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

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STUDY NUMBER: UMA73BR MONTH: 1 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUBSOIL CONDITIONS FOR PROPOSED BLACKWATER RIVER BRIDGE, MILE 492.0 MACKENZIE HIGH

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.95000	0.00000
LONGITUDE:	0.00000	124.20000	0.00000

LOCATION:

GENERAL LOCATION	SITE PLAN
NAME : MACKENZIE HIGHWAY-M450 TO 550	BLACKWATER RIVER

NUMBER:	PLATE 1
SCALE : 1:0	1:12000
FORMAT:	AIR PHOTO-PAPER COPY
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 19 BOREHOLES
SURVEY PATTERN: LINE
SURVEY SPACING:
SEASON: WINTER PROGRAM LENGTH: 4 DAYS JAN23, 25-27/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 5M TO 12M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.6M
QUALITY: GOOD
TYPE : SHELBY, SPLIT SPOON, DISTURBED
SIZE : APPROX. 120

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73BS

MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA

JOB NO : CONTACT:

CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.

JOB NO : CONTACT:

REPORT TITLE: SUBSURFACE SOIL CONDITIONS FOR PROPOSED BIG SMITH CREEK BRIDGE, MILE 544.0 MACKENZ

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.60000	0.00000
LONGITUDE:	0.00000	124.80000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE HIGHWAY-M450 TO 550 BIG SMITH CREEK

NUMBER:

PLATE 1

SCALE : 1:0

1:12000

FORMAT:

AIR PHOTO-PAPER COPY

ARCHIV:

IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SPECIFIC SITE

LEVEL: AIRPHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 9 BOREHOLES

SURVEY PATTERN: LINE

SURVEY SPACING:

SEASON: WINTER

PROGRAM LENGTH: 3 DAYS FEB15,16,19/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 4M TO 12M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS

QUALITY: GOOD

TYPE : SHELBY, SPLIT SPOON, DISTURBED

SIZE : APPROX. 50 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73LS MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUBSURFACE SOIL CONDITIONS FOR PROPOSED LITTLE SMITH CREEK BRIDGE, MILE 533.0

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.45000	0.00000
LONGITUDE:	0.00000	124.75000	0.00000

LOCATION:

	GENERAL LOCATION	SITE PLAN
NAME :	MACKENZIE HIGHWAY M450 TO 550	LITTLE SMITH CREEK

NUMBER:	PLATE 1
SCALE : 1:0	1:12000
FORMAT:	AIR PHOTO-PAPER COPY
ARCHIV:	IN REPORT
DIG NO:	

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE :	10 BOREHOLES
SURVEY PATTERN:	LINE
SURVEY SPACING:	
SEASON: WINTER	PROGRAM LENGTH: 4 DAYS FEB10 TO 13/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 4M TO 18M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M
QUALITY: GOOD
TYPE : SHELBY, SPLIT SPOON, DISTURBED
SIZE : APPROX 50 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73MVT

MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.
JOB NO : CONTACT:

REPORT TITLE: SUBSURFACE CONDITIONS FOR PROPOSED BRIDGE, MILE 498.5 MACKENZIE HIGHWAY

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.02000	0.00000
LONGITUDE:	0.00000	124.30000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE HIGHWAY-M450 TO 550

NUMBER: PLATE 1
SCALE : 1:0 1:12000
FORMAT: AIR PHOTO-PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIRPHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 11 BOREHOLES
SURVEY PATTERN: LINE
SURVEY SPACING: 300M
SEASON: WINTER

PROGRAM LENGTH: 3 DAYS JAN28,29,31/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 5M TO 9M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M
QUALITY: GOOD
TYPE : SHELBY, SPLIT SPOON, DISTURBED
SIZE : APPROX. 80

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73OR MONTH: 1 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUBSURFACE SOIL CONDITIONS FOR PROPOSED OCHRE RIVER BRIDGE, MILE 454.5 MACKENZIE H

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.45000	0.00000
LONGITUDE:	0.00000	123.65000	0.00000

LOCATION:

GENERAL LOCATION SITE PLAN
NAME : MACKENZIE HIGHWAY-M450 TO 550 OCHRE RIVER

NUMBER: PLATE 1
SCALE : 1:0 1:12000
FORMAT: AIR PHOTO-PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 15 BOREHOLES
SURVEY PATTERN: LINE
SURVEY SPACING:
SEASON: WINTER PROGRAM LENGTH: DEC7/72, JAN10 & 12/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 5M TO 25M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS
QUALITY: GOOD
TYPE : SHELBY, SPLIT SPOON, DISTURBED
SIZE : APPROX 100 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE(CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73ORBS

MONTH: 1 YEAR: 1973

SPONSOR : DPW CANADA

JOB NO :

CONTACT:

CONTRACTOR : UMA

JOB NO : 2106-032-45

CONTACT: DON PHELPS

REPORT TITLE: REPORT ON GEOTECHNICAL INVESTIGATION FOR THE PROPOSED MACKENZIE HWY, M450-545 DEC

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	10	10	10
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	63.41666	63.91700	64.41666
LONGITUDE:	122.50000	123.75000	125.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : OCHRE RIVER TO BIG SMITH CREEK AIR PHOTO MOSAICS

NUMBER:

SCALE : 1:0

1:12000

FORMAT:

ARCHIV:

DIG NO:

SOURCE NUMBER(S): LABELLED BY MILE AND STATION

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: REGIONAL, 165 BORROW PITS

LEVEL: AIR PHOTO INTERP, DRILLING & FIELD RECON

SIZE : 505 CL BH, 545 BP BH, 65 XING BH=1115 BHS

SURVEY PATTERN: LINE

SURVEY SPACING: 300M

SEASON: WINTER

PROGRAM LENGTH: NOV 16, 1972-FEB 19 1973

EQUIPMENT : 2 ROTARY DRILLS WITH COMPRESSED AIR, MUD PUMP IN SAT'D SAND/GRAVEL

PENETRATION: 4.5M GENERALLY FOR CL & BORROW, OCC DEEPER CL(SAND, GRAVEL, SILTY, CLAY, SHALE)

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.9-1.5M

QUALITY: POOR-DIST, GOOD SPLIT SPOON

TYPE : DIST, 50+75MM SPLIT SPOON

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : PERMAFROST, SOIL STRATIGRAPHY, GEOLOGY, PROPERTIES, BORROW FOUNDATIONS

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GSC

DATA : SPONSOR/CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/20 COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA

DATE : 92/03/31

UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73RC MONTH: 1 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUBSOIL CONDITIONS FOR PROPOSED RAINBOW CREEK BRIDGE, MILE 471.6 MACKENZIE HIGHWAY

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.70000	0.00000
LONGITUDE:	0.00000	123.85000	0.00000

LOCATION:
GENERAL LOCATION SITE PLAN
NAME : MACKENZIE HIGHWAY-M450 TO 550 RAINBOW CREEK

NUMBER: PLATE 1
SCALE : 1:0 1:12000
FORMAT: AIR PHOTO - PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:
TYPE : GEOTECHNICAL
SCOPE: SPECIFIC SITE
LEVEL: AIR PHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 13 BOREHOLES
SURVEY PATTERN: LINE
SURVEY SPACING:
SEASON: WINTER PROGRAM LENGTH: 7 DAYS DEC26-29/72 JAN13-15/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 4M TO 15M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:
RATE : 0.6M
QUALITY: GOOD
TYPE : SHELBY, SPLIT SPOON, DISTURBED
SIZE : 91 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:
INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR/GSC
OTHER :

ARCHIVING OF INFORMATION:
REPORT : GSC LIBRARY STORAGE (CALGARY)
DATA : CONTRACTOR
ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:
COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902
UPDATED BY : EBA
DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73SC

MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA

JOB NO : CONTACT:

CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.

JOB NO : CONTACT:

REPORT TITLE: SUBSURFACE SOIL CONDITIONS FOR PROPOSED-STEEP CREEK BRIDGE, MILE 511.8 MACKENZIE H

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.18000	0.00000
LONGITUDE:	0.00000	124.40000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE HIGHWAY-M450 TO 550 STEEP CREEK

NUMBER:

PLATE 1

SCALE : 1:0

1:12000

FORMAT:

AIR PHOTO-PAPER COPY

ARCHIV:

IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SPECIFIC SITE

LEVEL: AIRPHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 8 BOREHOLES

SURVEY PATTERN: LINE

SURVEY SPACING:

SEASON: WINTER

PROGRAM LENGTH: 2 DAYS FEB2,3/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 5M TO 10M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6

QUALITY: GOOD

TYPE : SHELBY, SPLIT SPOON, DISTURBED

SIZE : APPROX. 50

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY: EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

STUDY NUMBER: UMA73SR MONTH: 2 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA
JOB NO : CONTACT:
CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.
JOB NO : CONTACT:
REPORT TITLE: SUBSOIL CONDITIONS FOR PROPOSED SALINE RIVER BRIDGE, MILE 521 MACKENZIE HIGHWAY

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	64.30000	0.00000
LONGITUDE:	0.00000	124.50000	0.00000

LOCATION: GENERAL LOCATION SITE PLAN

NAME : MACKENZIE HIGHWAY M450 TO 550 SALINE RIVER

NUMBER: PLATE 1
SCALE : 1:0 1:12000
FORMAT: AIR PHOTO-PAPER COPY
ARCHIV: IN REPORT
DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SPECIFIC SITE

LEVEL: AIR PHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 10 BOREHOLES

SURVEY PATTERN: LINE

SURVEY SPACING:

SEASON: WINTER

PROGRAM LENGTH: 3 DAYS FEB5-7/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 5M TO 15M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M

QUALITY: GOOD

TYPE : SHELBY, SPLIT SPOON, DISTURBED

SIZE : APPROX. 50 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

MACKENZIE VALLEY TRANSPORTATION CORRIDOR
INDIAN AND NORTHERN AFFAIRS CANADA
CATALOGUE OF GRANULAR RESOURCE-RELATED INFORMATION

=====

STUDY NUMBER: UMA73WC

MONTH: 1 YEAR: 1973

SPONSOR : DEPARTMENT OF PUBLIC WORKS OF CANADA

JOB NO : CONTACT:

CONTRACTOR : UNDERWOOD MCLELLAN & ASSOCIATES LTD.

JOB NO : CONTACT:

REPORT TITLE: SUBSURFACE SOIL CONDITIONS FOR PROPOSED WHITESAND CREEK BRIDGE, MILE 459.6 MACKENZ

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	0	10	0
EASTING:	0	0	0
NORTHING:	0	0	0
OR: LATITUDE:	0.00000	63.55000	0.00000
LONGITUDE:	0.00000	123.70000	0.00000

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE HIGHWAY-M450 TO 550 WHITESAND CREEK

NUMBER:

PLATE 1

SCALE : 1:0

1:12000

FORMAT:

AIR PHOTO-PAPER COPY

ARCHIV:

IN REPORT

DIG NO:

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S):

SURVEY LINES / LOCATION DETAILS:

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SPECIFIC SITE

LEVEL: AIR PHOTO AND PREVIOUS DATA REVIEW, FIELD DRILLING

SIZE : 9 BOREHOLES

SURVEY PATTERN: LINE

SURVEY SPACING:

SEASON: WINTER

PROGRAM LENGTH: 5 DAYS DEC6,8,12/72 JAN9,12/73

EQUIPMENT : MAYHEW 1000, HELIDRILL

PENETRATION: 3.5M TO 27M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6M INTERVALS

QUALITY: GOOD

TYPE : SHELBY, SPLIT SPOON, DISTURBED

SIZE : 97 SAMPLES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION, SOIL STRATIGRAPHY, BORROW MATERIAL EVALUATION

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR/GSC

OTHER :

ARCHIVING OF INFORMATION:

REPORT : GSC LIBRARY STORAGE (CALGARY)

DATA : CONTRACTOR

ACCESS : PUBLIC

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/20 COMPILATION PROJECT NO.: 0101-10902

UPDATED BY : EBA

DATE : 92/03/31 UPDATE PROJECT NO.: 0101-10902

APPENDIX C
LIST OF REPORT CATALOGUE ENTRIES

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
ACR73HC	FOUNDATION REPORT FOR CROSSING AT HODGSON CREEK MILE 436 MACKENZIE HIGHWAY NWT	
ACR73MXMG	DEPARTMENT OF PUBLIC WORKS,MACKENZIE HIGHWAY, MILE 346-450, GEOTECHNICAL INVESTIGATION	
ACR73RM	FOUNDATION REPORT FOR CROSSING AT RIVER BETWEEN TWO MOUNTAINS, MILE 411 MACKENZIE HIGHWAY NWT	
ACR73ST	FOUNDATION REPORT FOR CROSSING AT SMITH CREEK, MILE 429 MACKENZIE HIGHWAY, NWT	
ACR73WL	FOUNDATION REPORT FOR CROSSING AT WILLOWLAKE RIVER, MILE 394 MACKENZIE HIGHWAY, NWT	
ACR75AX	NORTHERN STAGING AREAS, AXE POINT, GEOTECHNICAL REPORT (FEBRUARY, 1976)	
ACR75EN	NORTHERN STAGING AREAS, ENTERPRISE, GEOTECHNICAL REPORT	
ACR75FS	NORTHERN STAGING AREAS FORT SIMPSON - BOUVIER RIVER GEOTECHNICAL REPORT	
CNE73BR	BLACKWATER RIVER BRIDGE, MILE 492 MACKENZIE HIGHWAY NWT	
EBA73SM	MACKENZIE HIGHWAY GEOTECHNICAL EVALUATION,VOLUME 1,CENTERLINE SUBGRADE CONDITIONS & BORROW RESOURCES,MILE 632 TO MILE 725 (V.1 TO 23)	E-517

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EBA74FGAR	GRANULAR MATERIALS INVENTORY,STAGE III V.1,GENERAL REPORT,1975 APRIL(SPECIFIC SITE EVALUATION AND DATA IN VOLUMES II,III,IV)	E-666
EBA75PL	PRELIMINARY GEOTECHNICAL EVALUATION PARSONS LAKE GAS PLANT DEVELOPMENT	1-1140
EBA75RI	PRELIMINARY GEOTECHNICAL EVALUATION OF THE TAGLU GAS PLANT SITE, RICHARD'S ISLAND, NWT	1-1247
EBA75RI1	PRELIMINARY GEOTECHNICAL EVALUATION BEAUFORT GAS DEVELOPMENT RICHARD'S ISLAND NWT	E-965.1
EBA75RI2	YA-YA GRANULAR RESOURCES STUDY	1-965.3
EBA76IN	EVALUATION OF POTENTIAL ROCK QUARRIES, ROCKY HILL-CAMPBELL LAKE AREA, NWT	1-1537
EBA76MD	GEOTECHNICAL EVALUATION OF GRANULAR MATERIAL MACKENZIE DELTA AREA MARCH 1976	1-1318
EBA78FS	GEOTECHNICAL EVALUATION, FORT SIMPSON, WATER TREATMENT PLANT, MAY1978	16-2110
EBA78NW1	GEOTECHNICAL INVESTIGATION FOR DRILLING ISLANDS,NORMAN WELLS,NWT,SEPTEMBER 1978	11-2113
EBA78NW2	GEOTECHNICAL INVESTIGATION FOR SEWAGE TREATMENT PLANT AND OUTFALL LINE, NORMAN WELLS, NWT	11-2137

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EBA80KL	GEOTECHNICAL EVALUATION, PROPOSED MICROWAVE TOWERS, HEART LAKE AND KAKISA LAKE, NWT AND TROPOSCATTER STATION PINE POINT, NWT, SEPT 1980	106-2958
EBA86RI	GRANULAR RESOURCE EVALUATION, RICHARDS ISLAND, NWT	0101-4480
EWB71MV	TERRAIN STUDY PROPOSED NORTHERN GAS PIPELINE: VOL1)SANS SAULT TO ALSKA BRDR VOL2)SANS SAULT TO PEEL R. VOL3)PEEL R. TO ALSKA BACK INLAND RTE VOL4)PEEL R. TO AB BNDRY VOL5)LAB TST R	
EWB71PM	PIPELING BUOYANCY STUDY AT AMOCO GAS PLANT IN POINTED MOUNTAIN, NWT	E-379
EWB72FS	GEOTECHNICAL REPORT, TERRAIN INVESTIGATION FORT SIMPSON AREA	E-507
EWB72INPL	SUBSURFACE DATA NCPC ROUTE INUVIK TO PARSONS LAKE NWT AND APPENDIX D TERRAIN DATA	
EWB72RI1	DOCKING FACILITY BAR C (TUNUNUK) NWT	E-471
EWB72RI2	GEOTECHNICAL EVALUATION, DRILLING AT TAGLU G-33	E-520
EWB72RISS	GEOTECHNICAL REPORT TERRAIN INVESTIGATION-PROPOSED ARCTIC GAS PIPELINE ROUTES RICHARD'S ISLAND LATERAL AND LOWER MACKENZIE ALTERNATES (VOLUMES I-V)	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EWB73FS1	GEOTECHNICAL EVALUATION, APARTMENT COMPLEX, FORT SIMPSON, NWT, MARCH 1973	E-571
EWB73FS2	SITE INVESTIGATION, OFFICE BUILDING, FORT SIMPSON, NWT, MARCH 1973	E-570
EWB73RI	DOCKING FACILITY - BAR C	E-471
EWB73RITK	GEOTECHNICAL EVALUATION OF PROPOSED TANK FARM SITES AT BAR C AND TUKTOYAKTUK NWT	E-559
EWB73TK	EVALUATION OF OFFSHORE BORROW RESOURCES AND INVESTIGATION OF A PROPOSED AIRSTRIp SITE	E-604
GSC71MVTC	MACKENZIE HIGHWAY SOILS SURVEY, MILE 891.8 TO MILE 931.5 (TWO VOLUMES)	
GSC72MVTC	SURFICIAL GEOLOGY & LAND CLASSIFICATION MACKENZIE VALLEY TRANSPORTATION CORRIDOR	710020
GSC73MV1	MACKENZIE VALLEY GEOTECHNICAL DATA BANK,NORMAN WELLS,FORT NORMAN	OF 421-425
GSC73MV4	SURFICIAL GEOLOGY & LAND CLASS,MACKENZIE VALLEY TRANSPORTATION CORRIDOR (85D,E,95A,B,G,H,I,J,K,N,O)	710047
GSC73SM4	TERRAIN SENSITIVITY EVALUATION AND MAPPING, MACKENZIE VALLEY TRANSPORTATION CORRIDOR	710077
GSC75NM	SOIL MOISTURE RELATIONSHIPS,SELECTED MAP AREAS,MACKENZIE VALLEY NWT	730026

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
GSC79MDTP	SEDIMENT SAMPLING OF BEACHES ALONG THE MACKENZIE DELTA AND TUKTOYAKTUK PENINSULA, BEAUFORT SEA 1984	720101
GSC84SM	NORMAN WELLS TO ZAMA OIL PIPELINE PERMAFROST AND TERRAIN RESEARCH AND MONITORING PROGRAM SITE ESTABLISHMENT REPORT, 1989	OFR 2044
GSC88GB	ENGINEERING GEOLOGY OF THE GREAT BEAR RIVER AREA, NWT, 1989	PAPER 88-23
GSC91MV	TERRAIN EVALUATION OF THE MACKENZIE VALLEY TRANSPORTATION CORRIDOR	710020
HAL81NW1	NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 180- 352 & KMP 5.27 TO 750	CG-14011
HAL81NW2	NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 0 TO 180 & KMP 350 TO 527 VOLUME I	CG-14011
HAL81NW3	NORMAN WELLS PIPELINE PROJECT GRANULAR RESOURCES INVENTORY KMP 0 TO 180 & KMP 350 TO 527 VOLUME II	CG-14011
HAL82NW	NORMAN WELLS PIPELINE ENVIRONMENTAL ASSESSMENT OF BORROW PITS SCHEDULED FOR DEVELOPMENT IN WINTER 1983	
HAL86NM	GRANULAR RESOURCE POTENTIAL LOWER MACKENZIE VALLEY, MARCH 1986	CG10219
KLC69FS	MACKENZIE RIVER CROSSING, FORT SIMPSON NWT	ED1006

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
KLC75SC	INVESTIGATION AND ASSESSMENT OF SLOPE APPROACHES, STEEP CREEK	
KLC75SR	INVESTIGATION AND ASSESSMENT OF SLOPE APPROACHES SALINE RIVER, NWT	AL0597
MOL71FMSS	SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG NORTHWEST PROJECT STUDY GROUP PROPOSED PIPELINE ROUTE, FORT MCPHERSON TO SANS SAULT RAPIDS, NWT	
MOL71MV	CONSTRUCTION MATERIALS SURVEY ALONG MVPLRL PIPE LINE ROUTE	
MOL71PBFM	SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG MACKENZIE VALLEY PIPE LINE RESEARCH LTD. ROUTE-PRUDHOE BAY TO FORT MCPHERSON NWT VIA THE ARCTIC COASTAL ROUTE	
MOL71SSAN	SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG NORTHWEST PROJECT STUDY GROUP PROPOSED PIPELINE ROUTE, SANS SAULT RAPIDS TO NWT-ALTA BOUNDARY, WEST SIDE OF MACKENZIE RIVER VALLY	
MOL72NM	GRAVEL AND BEDROCK BORROW PROSPECTS PHYSIOGRAPHIC DIVISION XVI (ELLIOT CREEK TO RICHARD'S ISLAND AND TRAVAILLANT LAKE TO THE NWT/YUKON BORDER)	
MOL72RI	GRAVEL INVENTORY SURVEY RICHARD'S ISLAND AND ADJACENT AREAS	17-4

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
MOL74LI	AIRPHOTO GRAVEL SEARCH, LIARD RIVER TO CHINCHAGA RIVER ALONG PROPOSED CAGSL PIPELINE LOCATION FINAL REPORT	
MOL74PBMR	REPORT ON 1974 DRILLING PROGRAM MACKENZIE VALLEY GAS PIPELINE STUDY	
MVPL71IN	INUVIK SOIL TESTS SUMMARY - INUVIK TEST FACILITY	
MVPL72CPHR	PRELIMINARY SURVEY, PROPOSED BORROW SOURCES CAMPBELL LAKE TO HANNA RIVER NWT	
MVPL72MD	REPORT 17-1, BORING LOGS AND LAB TEST RESULTS, MACKENZIE DELTA SECTION, NOV. 1 1972 MVPL72NM ROUTE SELECTION AND EVALUATION	REPORT 17-1
MVPL72SS	INVESTIGATION OF MACKENZIE RIVER CROSSING NEAR SANS SAULT RAPIDS	
NES74MD	CROSS DELTA ROUTE ALTERNATIVE REPORT (JUNE 12, 1974)	
NES74MV1	PIPELINE RELATED BORROW STUDIES, 1974	
NES74MV2	PIPELINE RELATED BORROW STUDIES	
NES74YATR	GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE CROSS DELTA ALTERNATIVE ROUTE SUPPLEMENTARY GROUND TRUTH DRILLING PROGRAM YUKON NORTH SLOPE TO THUNDER RIVER, NWT	1.6.3
NES75GB	GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE GREAT BEAR RIVER CROSSING, 1975 SAMPLING AND INSTRUMENTATION PROGRAM	1.8.33

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
NES75GBA	GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE - GREAT BEAR RIVER ALTERNATIVE CROSSING DRILLING AND SAMPLING PROGRAM, 1975	
NES75MB	STABILITY OF EXCAVATED SUBMARINE SLOPES IN MACKENZIE RIVER DELTA SEDIMENTS	
NES75MD	SYNOPSIS OF DATA FROM SOILS INVESTIGATIONS TO AUGUST, 1975, CROSS DELTA ROUTE OF THE PROPOSED ARCTIC GAS PIPELINE (2 VOLUMES, 5 SECTIONS)	
NES75MDFS	PIPELINE RELATED BORROW STUDIES, CROSS DELTA ALTERNATIVE ROUTE AND EAST OF FORT SIMPSON REALIGNMENT	
NES75PBFS	1975 FIELD INVESTIGATION WHARF REPORT (VOLUMES 1 TO 3)	
NES75SB	GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE SHALLOW BAY DRILLING AND SAMPLING PROGRAM 1975	
NES75YAMV	GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE PHYSICAL PROPERTIES OF TILL DEPOSITS, ALASKA/YUKON BORDER TO THE 60TH PARALLEL	12074
NES76FS	GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE FORT SIMPSON AREA 1975 DRILLING AND SAMPLING PROGRAM	1.8.34

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
NES76NM	PIPELINE RELATED BORROW INVESTIGATIONS, RICHARDS ISLAND TO FORT GOOD HOPE, NWT, VOLUME III, 1976, 1975	
NES76WLZL	TEST HOLE DATA WILLOWLAKE RIVER TO ZAMA LAKE PURSUANT TO NATIONAL ENERGY BOARD	
NES76YAMV	1975 PIPELINE BORROW INVESTIGATION- YUKON COASTAL PLAIN TO LATITUDE 60 DEGREES NORTH (THREE VOLUMES)	
PEM71MVTC	GAS ARCTIC TRANSPORTATION CORRIDOR STUDY, GEOLOGICAL PHOTOINTERPRETATION AND ROUTE LOCATION PRELIMINARY INVENTORY OF MATERIALS	
PEM73FG	GRANULAR MATERIAL INVENTORY, FORT GOOD HOPE NWT	
PEM73FN	GRANULAR MATERIAL INVENTORY, FORT NORMAN, NWT COMMUNITY STUDY AREA	
PEM73FNNW	GRANULAR MATERIALS INVENTORY FORT NORMAN TO NORMAN WELLS INTERCOMMUNITY STUDY AREA	P72-502
PEM73FS	GRANULAR MATERIALS INVENTORY FORT SIMPSON NWT, COMMUNITY STUDY AREA	P72-502
PEM73FSFG	GRANULAR MATERIALS INVENTORY, FORT SIMPSON TO FORT GOOD HOPE NWT	
PEM73FSWR	GRANULAR MATERIALS INVENTORY FORT SIMPSON TO WRIGLEY INTERCOMMUNITY STUDY AREA	P72-502

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
PEM73NW	GRANULAR MATERIALS INVENTORY, NORMAN WELLS, NWT COMMUNITY STUDY AREA	
PEM73NWFG	GRANULAR MATERIALS INVENTORY NORMAN WELLS TO FORT GOOD HOPE INTERCOMMUNITY STUDY AREA	P72-502
PEM73WR	GRANULAR MATERIALS INVENTORY WRIGLEY NWT,COMMUNITY STUDY AREA	P72-502
PEM73WRFN	GRANULAR MATERIALS INVENTORY WRIGLEY TO FORT NORMAN INTERCOMMUNITY STUDY AREA	P72-502
PW73CBBR	REPORT ON HELICOPTER DRILLING PROGRAM MILE 351.5 TO MILE 492.8, MACKENZIE HWY,JAN 1974	
PWC73FS	REPORT ON GEOTECHNICAL INVESTIGATION, FT. LIARD HIGHWAY, MILE 29.0 TO MILE 66.7	
PWC74BRBS	GEOTECHNICAL INVESTIGATION PROPOSED REVISIONS,MILE 505 TO MILE 547, MACKENZIE HWY, NWT, JULY 23,1974 (2 VOLS)	
PWC74FGDH	REPORT OF GEOTECHNICAL INVESTIGATION MILE 725 TO MILE 936,MACKENZIE HIGHWAY, VOL.I:REPORT,VOL.II-VIII: HWY & BORROW BHS,VOL.:IX-XIII-STREAM CROSSINGS	
PWC74MVTC	MACKENZIE HIGHWAY NWT MILE 497.9 TO MILE 506.2 ALIGNMENT AND GEOTECHNICAL REPORT	9305-52-300

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
PWC75CBFG	GEOTECHNICAL INVESTIGATION MILE 347 TO MILE 690 MACKENZIE HIGHWAY, WINTER 1975(5 VOLS)	
PWC76CC	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED CANYON CREEK BRIDGE, MILE 620.4 MACKENZIE HIGHWAY	
PWC76MT	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED MARTIN RIVER, BRIDGE MILE 306.7 MACKENZIE HIGHWAY	
PWC76SRLS	SUPPLEMENTARY REPORT, GEOTECHNICAL INVESTIGATION, SALINE RIVER BRIDGE MILE 521.0 AND LITTLE CREEK BRIDGE MILE 533.0 MACKENZIE HIGHWAY	
PWC76WC	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED WHITESAND CREEK BRIDGE, MILE 459.6 MACKENZIE HIGHWAY	
PWC76WL	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED WILLOWLAKE RIVER BRIDGE, MILE 394.8 MACKENZIE HIGHWAY	
RKL69MV	EVALUATION OF SUB-SURFACE CONDITIONS, MACKENZIE VALLEY PIPELINE PRUDHOE BAY TO AB BORDER DEC. 1969 (3 VOLS)	ED1005-1008
RKL70MV	PRESENTATION OF TEST HOLE LOG DATA, PRUDHOE BAY, AK TO AB/NWT BOUNDARY, 1970	CA1032

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
RKL70SSNW	PRELIMINARY GEOTECHNICAL INVESTIGATION FOR UNDERGROUND TEST LOOP IN DISCONTINUOUS PERMAFROST REGION (NOVEMBER 14, 1970)	ED1034
RKL73AR	COMMUNITY GRANULAR MATERIALS INVENTORY ARCTIC RED RIVER NWT	
RKL73CH	GRANULAR MATERIALS INVENTORY, ZONE III (STAGE 2)	
RKL73FM	COMMUNITY GRANULAR MATERIALS INVENTORY, FORT MCPHERSON NWT (STAGE 2)	
RKL73IN	COMMUNITY GRANULAR MATERIALS INVENTORY INUVIK, NWT (STAGE 2)	
RKL73MV	GRANULAR MATERIALS INVENTORY, ZONE IV, V, VI (STAGE 2)	
RKL73RI	GRANULAR MATERIALS INVENTORY, ZONE II (STAGE 2)	
RKL73TK	COMMUNITY GRANULAR RESOURCES INVENTORY TUKTOYAKTUK, NWT (STAGE 2)	
RKL73TR	GRANULAR MATERIALS INVENTORY, ZONE I (STAGE #2)	
RKL74PL	GRANULAR MATERIALS INVENTORY, PARSONS LAKE, NWT, OCT 1974	AL0447
RMH71MVTC	CANOL ROAD STUDY REPORT VOLUMES 1 AND 2	
RMH72MV	CANADIAN ARCTIC GAS STUDY TEST HOLE LOGS (PRELIMINARY)	E-2495

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
RMH73BSBC	GEOTECHNICAL INVESTIGATION, MACKENZIE HWY, MILE 544 TO MILE 635, APRIL 20, 1973 (7 VOLS)	E-2510
RMH73CR	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE CRISTINE CREEK MILE 615.8 MACKENZIE HIGHWAY (OCT. 15, 1973)	
RMH73CY	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE CANYON CREEK, MILE 620.4 MACKENZIE HIGHWAY	E-2510
RMH73FC	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, FRANCIS CREEK, MILE 617.9	
RMH73JR	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, JUNGLE RIDGE CREEK, MILE 602.1 MACKENZIE HIGHWAY	E-2510
RMH73PC	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, PROHIBITION CREEK, MILE 612.4 MACKENZIE HIGHWAY	
RMH74FSIN	PROPOSED ARCTIC GAS PIPELINE ROUTE 1974 WINTER DRILLING PROGRAM - INVESTIGATION OF MAJOR RIVER CROSSINGS IN THE NWT	E-2575.60
RMH74MD1	GEOTECHNICAL REPORT - PROPOSED ARCTIC GAS PIPELINE ROUTE 1974 WINTER DRILLING PROGRAM	E-2575.60

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
RMH74MD1	GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE CROSS DELTA ALTERNATIVE ROUTE, GROUND TRUTH DRILLING PROGRAM, MACKENZIE DELTA REGION	E-2575-60
RMH74TLFS	GEOTECHNICAL REPORT PROPOSED ARCTIC GAS PIPELINE ROUTE TRAVAILLANT LAKE SECTION AND SITE FOR COMPRESSOR STATION EM-16 NEAR FORT SIMPSON,NWT	E-2575.30
RMH76YC	GRANULAR MATERIALS INVENTORY-YUKON COASTAL PLAIN AND ADJACENT AREAS	
RMH77TK1	GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK NWT	
RMH77TK2	GEOPHYSICAL EVALUATION OF GRANULAR MATERIAL RESOURCES, TUKTOYAKTUK HARBOUR NWT	
TAMS75MD	BEDROCK SOURCES OF HIGHWAY MATERIALS,INUVIK TO TUKTOYAKTUK HIGHWAY OCT 1975	
TCL80NW	NORMAN WELLS LAND ASSEMBLY,GEOTECHNICAL INVESTIGATION	15-22-17
TEC76MV	BEAUFORT-DELTA OIL PROJECT LIMITED: PRELIMINARY BORROW SOURCE STUDY MACKENZIE VALLEY CORRIDOR VOLUMES I TO IV	TM140
TEM71MV	DATA REPORT ON PRELIMINARY SOILS AND TERRAIN INVESTIGATION PROGRAM MILE 100 TO MILE 520 OF PROPOSED PIPELINE ROUTE (SIX VOLUMES)	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
UMA73BR	SUBSOIL CONDITIONS FOR PROPOSED BLACKWATER RIVER BRIDGE, MILE 492.0 MACKENZIE HIGHWAY	
UMA73BS	SUBSURFACE SOIL CONDITIONS FOR PROPOSED BIG SMITH CREEK BRIDGE, MILE 544.0 MACKENZIE HIGHWAY	
UMA73LS	SUBSURFACE SOIL CONDITIONS FOR PROPOSED LITTLE SMITH CREEK BRIDGE, MILE 533.0	
UMA73MVTG	SUBSURFACE CONDITIONS FOR PROPOSED BRIDGE, MILE 498.5 MACKENZIE HIGHWAY	
UMA73OR	SUBSURFACE SOIL CONDITIONS FOR PROPOSED OCHRE RIVER BRIDGE, MILE 454.5 MACKENZIE HIGHWAY	
UMA73ORBS	REPORT ON GEOTECHNICAL INVESTIGATION FOR THE PROPOSED MACKENZIE HWY, M450-545 DEC 23,1973,(4 VOLS)	2106-032-45
UMA73RC	SUBSOIL CONDITIONS FOR PROPOSED RAINBOW CREEK BRIDGE, MILE 471.6 MACKENZIE HIGHWAY	
UMA73SC	SUBSURFACE SOIL CONDITIONS FOR PROPOSED-STEEP CREEK BRIDGE, MILE 511.8 MACKENZIE HIGHWAY	
UMA73SR	SUBSOIL CONDITIONS FOR PROPOSED SALINE RIVER BRIDGE, MILE 521 MACKENZIE HIGHWAY	
UMA73WC	SUBSURFACE SOIL CONDITIONS FOR PROPOSED WHITESAND CREEK BRIDGE, MILE 459.6 MACKENZIE HIGHWAY	

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
ACR73HC	FOUNDATION REPORT FOR CROSSING AT HODGSON CREEK MILE 436 MACKENZIE HIGHWAY NWT	
ACR73MXMG	DEPARTMENT OF PUBLIC WORKS, MACKENZIE HIGHWAY, MILE 346-450, GEOTECHNICAL INVESTIGATION	
ACR73RM	FOUNDATION REPORT FOR CROSSING AT RIVER BETWEEN TWO MOUNTAINS, MILE 411 MACKENZIE HIGHWAY NWT	
ACR73ST	FOUNDATION REPORT FOR CROSSING AT SMITH CREEK, MILE 429 MACKENZIE HIGHWAY, NWT	
ACR73WL	FOUNDATION REPORT FOR CROSSING AT WILLOWLAKE RIVER, MILE 394 MACKENZIE HIGHWAY, NWT	
ACR75AX	NORTHERN STAGING AREAS, AXE POINT, GEOTECHNICAL REPORT (FEBRUARY, 1976)	
ACR75EN	NORTHERN STAGING AREAS, ENTERPRISE, GEOTECHNICAL REPORT	
ACR75FS	NORTHERN STAGING AREAS FORT SIMPSON - BOUVIER RIVER GEOTECHNICAL REPORT	
CAG73MV	GEOLOGY OF THE PIPELINE ROUTES IN CANADA NORTH OF 60 DEGREES, 1973 JULY 20	
CNE73BR	BLACKWATER RIVER BRIDGE, MILE 492 MACKENZIE HIGHWAY NWT	

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EBA73SM	MACKENZIE HIGHWAY GEOTECHNICAL EVALUATION,VOLUME 1,CENTERLINE SUBGRADE CONDITIONS & BORROW RESOURCES,MILE 632 TO MILE 725 (V.1 TO 23)	E-517
EBA74FGAR	GRANULAR MATERIALS INVENTORY,STAGE III V.1,GENERAL REPORT,1975 APRIL(SPECIFIC SITE EVALUATION AND DATA IN VOLUMES II,III,IV)	E-666
EBA74NM	ARCTIC RAILWAY STUDY, EVALUATION OF ALTERNATE ROUTES INCLUDING THE SOUTH RAMPARTS ALTRNATE, RAMPARTS ALTRNATE, EAST ALTRNATE, RICHARD'S ISLAND EXTENSION, RICHARD'S ISLAND TERMINAL	E-667
EBA75PL	PRELIMINARY GEOTECHNICAL EVALUATION PARSONS LAKE GAS PLANT DEVELOPMENT	1-1140
EBA75RI	PRELIMINARY GEOTECHNICAL EVALUATION OF THE TAGLU GAS PLANT SITE, RICHARD'S ISLAND, NWT	1-1247
EBA75RI1	PRELIMINARY GEOTECHNICAL EVALUATION BEAUFORT GAS DEVELOPMENT RICHARD'S ISLAND NWT	E-965.1
EBA75RI2	YA-YA GRANULAR RESOURCES STUDY	1-965.3
EBA76IN	EVALUATION OF POTENTIAL ROCK QUARRIES, ROCKY HILL-CAMPBELL LAKE AREA, NWT	1-1537
EBA76MD	GEOTECHNICAL EVALUATION OF GRANULAR MATERIAL MACKENZIE DELTA AREA MARCH 1976	1-1318

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EBA77MD	EVALUATION AND DEVELOPMENT OF GRANULAR CONSTRUCTION MATERIALS IN THE MACKENZIE DELTA REGION	
EBA78FS	GEOTECHNICAL EVALUATION, FORT SIMPSON, WATER TREATMENT PLANT, MAY 1978	16-2110
EBA78NW1	GEOTECHNICAL INVESTIGATION FOR DRILLING ISLANDS, NORMAN WELLS, NWT, SEPTEMBER 1978	11-2113
EBA78NW2	GEOTECHNICAL INVESTIGATION FOR SEWAGE TREATMENT PLANT AND OUTFALL LINE, NORMAN WELLS, NWT	11-2137
EBA80KL	GEOTECHNICAL EVALUATION, PROPOSED MICROWAVE TOWERS, HEART LAKE AND KAKISA LAKE, NWT AND TROPOSCATTER STATION PINE POINT, NWT, SEPT 1980	106-2958
EBA80MV	GEOTECHNICAL ENGINEERING OVERVIEW OF MACKENZIE VALLEY ROUTE DATA JAN 1980	101-2591
EBA86RI	GRANULAR RESOURCE EVALUATION, RICHARD'S ISLANDS, NWT	0101-4480
EBA87MR	AN EVALUATION OF THE FEASIBILITY OF DEVELOPING GRANULAR BORROW FROM THE BED OF THE MACKENZIE RIVER, 1987 APRIL	0301-34288
EWB71MV	TERRAIN STUDY PROPOSED NORTHERN GAS PIPELINE: VOL1) SANS SAULT TO ALASKA BRDR VOL2) SANS SAULT TO PEEL R. VOL3) PEEL R. TO ALASKA BACK INLAND RTE VOL4) PEEL R. TO AB BNDRY VOL5) LAB TST R	E-301

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EWB71PM	PIPELING BUOYANCY STUDY AT AMOCO GAS PLANT IN POINTED MOUNTAIN, NWT	E-379
EWB72FS	GEOTECHNICAL REPORT, TERRAIN INVESTIGATION FORT SIMPSON AREA	E-507
EWB72INPL	SUBSURFACE DATA NCPC ROUTE INUVIK TO PARSONS LAKE NWT AND APPENDIX D TERRAIN DATA	
EWB72NW	GEOTECHNICAL EVALUATION NORMAN WELLS LAGOON, NORMAN WELLS, NWT	E-545
EWB72RI1	DOCKING FACILITY BAR C (TUNUNUK) NWT	E-471
EWB72RI2	GEOTECHNICAL EVALUATION, DRILLING AT TAGLU G-33	E-520
EWB72RISS	GEOTECHNICAL REPORT TERRAIN INVESTIGATION-PROPOSED ARCTIC GAS PIPELINE ROUTES RICHARD'S ISLAND LATERAL AND LOWER MACKENZIE ALTERNATES (VOLUMES I-V)	E-476
EWB73FS	GEOTECHNICAL EVALUATION, APARTMENT COMPLEX, FORT SIMPSON, NWT, MARCH 1973	E-571
EWB73FS2	SITE INVESTIGATION, OFFICE BUILDING, FORT SIMPSON, NWT, MARCH 1973	E-570
EWB73RI	DOCKING FACILITY - BAR C	E-471
EWB73RITK	GEOTECHNICAL EVALUATION OF PROPOSED TANK FARM SITES AT BAR C AND TUKTOYAKTUK NWT	E-559

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
EWB73TK	EVALUATION OF OFFSHORE BORROW RESOURCES AND INVESTIGATION OF A PROPOSED AIRSTRIP SITE	E-604
GAS72MV	AIR PHOTO INTERPRETATION PROGRAM REPORT (2 PARTS)	
GSC62AR	GSC PAPER 69-36 SURFICIAL GEOLOGY OF NORTHERN YK AND NW DISTRICT OF MACKENZIE,NWT	PAPER 64-36
GSC68GB	GSC,DEPT OF ENERGY MINES AND RESOURCES PAPER 69-1 PART A,REPORT OF ACTIVITIES,PART A:APRIL TO OCTOBER 1968,QUATERNARY GEOLOGY,NW DISTRICT OF MACKENZIE	680032
GSC69NM	QUATERNARY RECONNAISSANCE,NW DISTRICT OF MACKENZIE (86C,D,E,96A- H,106A,G,H)	690046
GSC70CM	SURFICIAL GEOLOGY,DISTRICT OF MACKENZIE,MAPS & LEGEND	OF 00026
GSC70NMCM	SURFICIAL DEPOSITS AND LAND FORM MAPS,DISTRICT OF MACKENZIE	00021
GSC71MVTC	MACKENZIE HIGHWAY SOILS SURVEY, MILE 891.8 TO MILE 931.5 (TWO VOLUMES)	
GSC72AK	SURFICIAL GEOLOGY AND LAND FORMS,AKLAVIK	OF 00119
GSC72CM	TERRAIN CLASSIFICATION AND SENSITIVITY SERIES, UPPER RAMPARTS RIVER, SANS SAULT RAPIDS, CAPRCAJOU CANYON	OF00132

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STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
GSC72MD1	SURFICIAL GEOLOGY AND LAND FORMS, MALLOCH HILL, MACKENZIE DELTA, STANTON, CAPE DALHOUSIE, MAPS AND LEGEND	OF 00096
GSC72MD2	TERRAIN CLASSIFICATION SERIES AND SENSITIVITY SERIES, CAPE DALHOUSIE, MACKENZIE DELTA, MALLOCH HILL, STANTON	OF 00117
GSC72MV	SURFICIAL GEOLOGY, ONTARIO RIVER, MARTINHOUSE, TRAVAILLANT LAKE, DISTRICT OF MACKENZIE	OPEN FILE #00108
GSC72MVMD	GRANULAR RESOURCE INVENTORY- MACKENZIE VALLEY	720085
GSC72MVTC	SURFICIAL GEOLOGY & LAND CLASSIFICATION MACKENZIE VALLEY TRANSPORTATION CORRIDOR	710020
GSC72NM	SURFICIAL GEOLOGY, FORT GOOD HOPE, ARCTIC RED RIVER, FORT MCPHERSON, MAPS AND LEGEND	OF 00097
GSC72SM1	GRANULAR MATERIALS INVENTORY- SOUTHERN MACKENZIE VALLEY	720086
GSC72SM2	GRANULAR RESOURCE INVENTORY - SOUTHERN MACKENZIE VALLEY FORT LIARD (95B) 1:125 000	
GSC73CM	SURFICIAL GEOLOGY AND GEOMORPHOLOGY, FORT NORMAN, CARCAJOU CANYON, NORMAN WELLS, SANS SAULT RAPIDS	OF 00155
GSC73MV1	MACKENZIE VALLEY GEOTECHNICAL DATA BANK, NORMAN WELLS, FORT NORMAN	OF 421-425

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
GSC73MV2	SURFICIAL GEOLOGY, MACKENZIE VALLEY TRANSPORTATION CORRIDOR, DISTRICT OF MACKENZIE	OF 00189
GSC73MV3	TERRAIN CLASSIFICATION AND SENSITIVITY MAP SERIES, MACKENZIE VALLEY	720100
GSC73MV4	SURFICIAL GEOLOGY & LAND CLASS, MACKENZIE VALLEY TRANSPORTATION CORRIDOR (85D, E, 95A, B, G, H, I, J, K, N, O)	710047
GSC73MV5	PROPOSED CENTRELINE AND SOIL HOLE INFORMATION ON ABANDONED LINE MILES 892-931	
GSC73SM1	SURFICIAL GEOLOGY, BULMER LAKE, MILLS, SIBBESTON, TROUT, KAKISA, RO OT, DAHADINNI, CAMSELL BEND, WRIGLEY	OF 00158
GSC73SM2	TERRAIN CLASSIFICATION AND SENSITIVITY SERIES, CAMSELL BEND, FORT LIARD, FORT SIMPSON, MILLS LAKE, TROUT LAKE	OF 00157
GSC73SM3	TERRAIN CLASSIFICATION AND SENSITIVITY SERIES, KAKISA R, SIBBESTON LK, ROOT R, WRIGLEY, DAHADINNI, BULMER LAKE	OF 00131
GSC73SM4	TERRAIN SENSITIVITY EVALUATION AND MAPPING, MACKENZIE VALLEY TRANSPORTATION CORRIDOR	710077

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
GSC74AK	SURFICIAL GEOLOGY, AKLAVIK, DEMARCATION PT, HERSCHEL ISLAND, DISTRICT OF MACKENZIE MAPS & LEGEND	OF 00191
GSC75NM	SOIL MOISTURE RELATIONSHIPS, SELECTED MAP AREAS, MACKENZIE VALLEY NWT	730026
GSC75NW	SURFICIAL GEOLOGY AND GEOMORPHOLOGY, NORMAN WELLS, MAHONY LAKE, CANOT LAKE, DISTRICT OF MACKENZIE	OPEN FILE 00294
GSC79MDTP	SEDIMENT SAMPLING OF BEACHES ALONG THE MACKENZIE DELTA AND TUKTOYAKTUK PENINSULA, BEAUFORT SEA 1984	720101
GSC80SM	SURFICIAL GEOLOGY AND GEOMORPHOLOGY, DISTRICT OF MACKENZIE	MAPS 1978, 1979
GSC81SL	SURFICIAL GEOLOGY AND GEOMORPHOLOGY SIBBESTON LAKE, DISTRICT OF MACKENZIE	MAP 10-1979
GSC84SM	NORMAN WELLS TO ZAMA OIL PIPELINE PERMAFROST AND TERRAIN RESEARCH AND MONITORING PROGRAM SITE ESTABLISHMENT REPORT, 1989	OFR 2044
GSC85NM	LATE WISCONSIN LAURENTIDE GLACIAL LIMITS OF NW CANADA: THE TUTSIETA LAKE AND KELLY LAKE PHASES	PAPER 85-25
GSC88GB	ENGINEERING GEOLOGY OF THE GREAT BEAR RIVER AREA, NWT, 1989	PAPER 88-23
GSC91MV	TERRAIN EVALUATION OF THE MACKENZIE VALLEY TRANSPORTATION CORRIDOR	710020

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
HAL81NW1	NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 180- 352 & KMP 5.27 TO 750	CG-14011
HAL81NW2	NORMAN WELLS PIPELINE PROJECT GRANULAR BORROW INVENTORY KMP 0 TO 180 & KMP 350 TO 527 VOLUME I	CG-14011
HAL81NW3	NORMAN WELLS PIPELINE PROJECT GRANULAR RESOURCES INVENTORY KMP 0 TO 180 & KMP 350 TO 527 VOLUME II	CG-14011
HAL82NW	NORMAN WELLS PIPELINE ENVIRONMENTAL ASSESSMENT OF BORROW PITS SCHEDULED FOR DEVELOPMENT IN WINTER 1983	
HAL86NM	GRANULAR RESOURCE POTENTIAL LOWER MACKENZIE VALLEY, MARCH 1986	CG10219
IPL80SM	NORMAN WELLS PIPELINE PROJECT, ENVIRONMENTAL IMPACT STATEMENT, VOL 3A AND 3C OF 4 MARCH 1980	
KLC69FS	MACKENZIE RIVER CROSSING, FORT SIMPSON NWT	ED1006
KLC75SC	INVESTIGATION AND ASSESSMENT OF SLOPE APPROACHES, STEEP CREEK	
KLC75SR	INVESTIGATION AND ASSESSMENT OF SLOPE APPROACHES SALINE RIVER, NWT	AL0597
LNGNAMV	ENVIRONMENTAL AND VEGETATION MAPS	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
MOL71FMSS	SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG NORTHWEST PROJECT STUDY GROUP PROPOSED PIPELINE ROUTE, FORT MCPHERSON TO SANS SAULT RAPIDS, NWT	
MOL71MV	CONSTRUCTION MATERIALS SURVEY ALONG MVPLRL PIPE LINE ROUTE	
MOL71PBFM	SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG MACKENZIE VALLEY PIPE LINE RESEARCH LTD. ROUTE-PRUDHOE BAY TO FORT MCPHERSON NWT VIA THE ARCTIC COASTAL ROUTE	
MOL71SSAN	SUMMARY OF CONSTRUCTION-MATERIAL SOURCES ALONG NORTHWEST PROJECT STUDY GROUP PROPOSED PIPELINE ROUTE, SANS SAULT RAPIDS TO NWT-ALTA BOUNDARY, WEST SIDE OF MACKENZIE RIVER VALLY	
MOL72NM	GRAVEL AND BEDROCK BORROW PROSPECTS PHYSIOGRAPHIC DIVISION XVI (ELLIOT CREEK TO RICHARD'S ISLAND AND TRAVAILLANT LAKE TO THE NWT/YUKON BORDER)	
MOL72RI	GRAVEL INVENTORY SURVEY RICHARD'S ISLAND AND ADJACENT AREAS	17-4
MOL74LI	AIRPHOTO GRAVEL SEARCH, LIARD RIVER TO CHINCHAGA RIVER ALONG PROPOSED CAGSL PIPELINE LOCATION FINAL REPORT	
MOL74PBMR	REPORT ON 1974 DRILLING PROGRAM MACKENZIE VALLEY GAS PIPELINE STUDY	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
MVPL71IN	INUVIK SOIL TESTS SUMMARY - INUVIK TEST FACILITY	
MVPL71MV	MVPL FEASIBILITY STUDY-1971, BACKUP DATA BOOKS, VOLUMES 1 TO 20, BOOKS 1 TO 3, APPENDICES	
MVPL72CPHR	PRELIMINARY SURVEY, PROPOSED BORROW SOURCES CAMPBELL LAKE TO HANNA RIVER NWT	
MVPL72MD	REPORT 17-1,BORING LOGS AND LAB TEST RESULTS,MACKENZIE DELTA SECTION,NOV.1 1972	REPORT 17-1
MVPL72NM	ROUTE SELECTION AND EVALUATION	
MVPL72SS	INVESTIGATION OF MACKENZIE RIVER CROSSING NEAR SANS SAULT RAPIDS	
NES74MD	CROSS DELTA ROUTE ALTERNATIVE REPORT (JUNE 12, 1974)	
NES74MV1	PIPELINE RELATED BORROW STUDIES,1974	
NES74MV2	PIPELINE RELATED BORROW STUDIES	
NES74YATR	GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE CROSS DELTA ALTERNATIVE ROUTE SUPPLEMENTARY GROUND TRUTH DRILLING PROGRAM YUKON NORTH SLOPE TO THUNDER RIVER, NWT	1.6.3
NES75GB	GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE GREAT BEAR RIVER CROSSING, 1975 SAMPLING AND INSTRUMENTATION PROGRAM	1.8.33

PROJECT MACKENZIE VALLEY GRANULAR RESOURCE

- BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
NES75GBAg	EOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE - GREAT BEAR RIVER ALTERNATIVE CROSSING DRILLING AND SAMPLING PROGRAM, 1975	
NES75MB	STABILITY OF EXCAVATED SUBMARINE SLOPES IN MACKENZIE RIVER DELTA SEDIMENTS	
NES75MD	SYNOPSIS OF DATA FROM SOILS INVESTIGATIONS TO AUGUST 1975, CROSS DELTA ROUTE OF THE PROPOSED ARCTIC GAS PIPELINE (2 VOLUMES, 5 SECTIONS)	
NES75MDFS	PIPELINE RELATED BORROW STUDIES, CROSS DELTA ALTERNATIVE ROUTE AND EAST OF FORT SIMPSON REALIGNMENT	
NES75PBFS	1975 FIELD INVESTITGATION WHARF REPORT (VOLUMES 1 TO 3)	
NES75SB	GEOTECHNICAL DATA REPORT PORPOSED ARCTIC GAS PIPELINE SHALLOW BAY DRILLING AND SAMPLING PROGRAM 1975	
NES75YAMV	GEOTECHNICAL DATA REPORT, PROPOSED ARCTIC GAS PIPELINE PHYSICAL PROPERTIES OF TILL DEPOSITS, ALASKA/YUKON BORDER TO THE 60TH PARALLEL	12074
NES76FS	GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE FORT SIMPSON AREA 1975 DRILLING AND SAMPLING PROGRAM	1.8.34

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
NES76NM	PIPELINE RELATED BORROW INVESTIGATIONS, RICHARDS ISLAND TO FORT GOOD HOPE, NWT, VOLUME III, 1976, 1975	
NES76WLZL	TEST HOLE DATA WILLOWLAKE RIVER TO ZAMA LAKE PURSUANT TO NATIONAL ENERGY BOARD	
NES76YAMV	1975 PIPELINE BORROW INVESTIGATION- YUKON COASTAL PLAIN TO LATITUDE 60 DEGREES NORTH (THREE VOLUMES)	
PAAG74MV	MACKENZIE VALLEY PIPELINE ASSESSMENT, ENVIRONMENTAL AND SOCIO- ECONOMIC EFFECTS OF THE PROPOSED CANADIAN ARCTIC GAS PIPELINE ON THE NORTHWEST AND YUKON TERRITORIES	
PEM71MVTC	GAS ARCTIC TRANSPORTATION CORRIDOR STUDY, GEOLOGICAL PHOTOINTERPRETATION AND ROUTE LOCATION PRELIMINARY INVENTORY OF MATERIALS	
PEM73FG	GRANULAR MATERIAL INVENTORY, FORT GOOD HOPE NWT	
PEM73FN	GRANULAR MATERIAL INVENTORY, FORT NORMAN, NWT COMMUNITY STUDY AREA	
PEM73FNNW	GRANULAR MATERIALS INVENTORY FORT NORMAN TO NORMAN WELLS INTERCOMMUNITY STUDY AREA	P72-502
PEM73FS	GRANULAR MATERIALS INVENTORY FORT SIMPSON NWT, COMMUNITY STUDY AREA	P72-502

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
PEM73FSFG	GRANULAR MATERIALS INVENTORY, FORT SIMPSON TO FORT GOOD HOPE NWT	
PEM73FSWR	GRANULAR MATERIALS INVENTORY FORT SIMPSON TO WRIGLEY INTERCOMMUNITY STUDY AREA	P72-502
PEM73NW	GRANULAR MATERIALS INVENTORY, NORMAN WELLS, NWT COMMUNITY STUDY AREA	
PEM73NWFG	GRANULAR MATERIALS INVENTORY NORMAN WELLS TO FORT GOOD HOPE INTERCOMMUNITY STUDY AREA	P72-502
PEM73WR	GRANULAR MATERIALS INVENTORY WRIGLEY NWT, COMMUNITY STUDY AREA	P72-502
PEM73WRFN	GRANULAR MATERIALS INVENTORY WRIGLEY TO FORT NORMAN INTERCOMMUNITY STUDY AREA	P72-502
PGP85MV	GEOTECHNICAL ASSESSMENT VOL. 5	
PW73CBBR	REPORT ON HELICOPTER DRILLING PROGRAM MILE 351.5 TO MILE 492.8, MACKENZIE HWY, JAN 1974	
PWC73FS	REPORT ON GEOTECHNICAL INVESTIGATION, FT. LIARD HIGHWAY, MILE 29.0 TO MILE 66.7	
PWC74BRBS	GEOTECHNICAL INVESTIGATION PROPOSED REVISIONS, MILE 505 TO MILE 547, MACKENZIE HWY, NWT, JULY 23, 1974 (2 VOLS)	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
PWC74FGDH	REPORT OF GEOTECHNICAL INVESTIGATION MILE 725 TO MILE 936, MACKENZIE HIGHWAY, VOL. I: REPORT, VOL. II-VIII: HWY & BORROW BHS, VOL. IX-XIII-STREAM CROSSINGS	
PWC74FSLI	LIARD HIGHWAY NWT - MILE 0 TO MILE 156.8 ALIGNMENT REPORT	
PWC74MVTC	MACKENZIE HIGHWAY NWT MILE 497.9 TO MILE 506.2 ALIGNMENT AND GEOTECHNICAL REPORT	9305-52-300
PWC75CBFG	GEOTECHNICAL INVESTIGATION MILE 347 TO MILE 690 MACKENZIE HIGHWAY, WINTER 1975(5 VOLS)	
PWC76CC	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED CANYON CREEK BRIDGE, MILE 620.4 MACKENZIE HIGHWAY	
PWC76MT	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED MARTIN RIVER, BRIDGE MILE 306.7 MACKENZIE HIGHWAY	
PWC76SRLS	SUPPLEMENTARY REPORT, GEOTECHNICAL INVESTIGATION, SALINE RIVER BRIDGE MILE 521.0 AND LITTLE CREEK BRIDGE MILE 533.0 MACKENZIE HIGHWAY	
PWC76WC	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED WHITESAND CREEK BRIDGE, MILE 459.6 MACKENZIE HIGHWAY	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
PWC76WL	SUPPLEMENTARY REPORT GEOTECHNICAL INVESTIGATION PROPOSED WILLOWLAKE RIVER BRIDGE, MILE 394.8 MACKENZIE HIGHWAY	
RKL69MV	EVALUATION OF SUB-SURFACE CONDITIONS, MACKENZIE VALLEY PIPELINE PRUDHOE BAY TO AB BORDER DEC. 1969 (3 VOLS)	ED1005-1008
RKL70MV	PRESENTATION OF TEST HOLE LOG DATA, PRUDHOE BAY, AK TO AB/NWT BOUNDARY, 1970	CA1032
RKL70SSNW	PRELIMINARY GEOTECHNICAL INVESTIGATION FOR UNDERGROUND TEST LOOP IN DISCONTINUOUS PERMAFROST REGION (NOVEMBER 14, 1970)	ED1034
RKL73AR	COMMUNITY GRANULAR MATERIALS INVENTORY ARCTIC RED RIVER NWT	
RKL73CH	GRANULAR MATERIALS INVENTORY, ZONE III (STAGE 2)	
RKL73FM	COMMUNITY GRANULAR MATERIALS INVENTORY, FORT MCPHERSON NWT (STAGE 2)	
RKL73IN	COMMUNITY GRANULAR MATERIAL INVENTORY INUVIK, NWT (STAGE 2)	
RKL73MV	GRANULAR MATERIALS INVENTORY, ZONE IV, V, VI (STAGE 2)	
RKL73RI	GRANULAR MATERIALS INVENTORY, ZONE II (STAGE 2)	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
RKL73TK	COMMUNITY GRANULAR RESOURCES INVENTORY TUKTOYAKTUK,NWT (STAGE 2)	
RKL73TR	GRANULAR MATERIALS INVENTORY,ZONE I (STAGE #2)	
RKL74PL	GRANULAR MATERIALS INVENTORY,PARSONS LAKE,NWT,OCT 1974	AL0447
RMH71MVTC	CANOL ROAD STUDY REPORT VOLUMES 1 AND 2	
RMH72MV	CANADIAN ARCTIC GAS STUDY TEST HOLE LOGS (PRELIMINARY)	E-2495
RMH73BSBC	GEOTECHNICAL INVESTIGATION,MACKENZIE HWY,MILE 544 TO MILE 635,APRIL 20,1973 (7 VOLS)	E-2510
RMH73CR	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE CRISTINE CREEK MILE 615.8 MACKENZIE HIGHWAY (OCT. 15, 1973)	
RMH73CY	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE CANYON CREEK, MILE 620.4 MACKENZIE HIGHWAY	E-2510
RMH73FC	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, FRANCIS CREEK, MILE 617.9	
RMH73HV	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, HELAVA CREEK, MILE 616.4 MACKENZIE HIGHWAY	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
RMH73JR	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, JUNGLE RIDGE CREEK, MILE 602.1 MACKENZIE HIGHWAY	E-2510
RMH73PC	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE, PROHIBITION CREEK, MILE 612.4 MACKENZIE HIGHWAY	
RMH73VC	GEOTECHNICAL INVESTIGATION PROPOSED BRIDGE SITE VERMILION CREEK, MILE 605.6 MACKENZIE HIGHWAY	
RMH74FSIN	PROPOSED ARCTIC GAS PIPELINE ROUTE 1974 WINTER DRILLING PROGRAM - INVESTIGATION OF MAJOR RIVER CROSSINGS IN THE NWT	E-2575.60
RMH74MD1	GEOTECHNICAL REPORT - PROPOSED ARCTIC GAS PIPELINE ROUTE 1974 WINTER DRILLING PROGRAM	E-2575.60
RMH74MD1	GEOTECHNICAL DATA REPORT PROPOSED ARCTIC GAS PIPELINE CROSS DELTA ALTERNATIVE ROUTE, GROUND TRUTH DRILLING PROGRAM, MACKENZIE DELTA REGION	E-2575-60
RMH74TLFS	GEOTECHNICAL REPORT PROPOSED ARCTIC GAS PIPELINE ROUTE TRAVAILLANT LAKE SECTION AND SITE FOR COMPRESSOR STATION EM-16 NEAR FORT SIMPSON, NWT	E-2575.30
RMH76YC	GRANULAR MATERIALS INVENTORY-YUKON COASTAL PLAIN AND ADJACENT AREAS	
RMH77TK1	GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK NWT	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
RMH77TK2	GEOPHYSICAL EVALUATION OF GRANULAR MATERIAL RESOURCES, TUKTOYAKTUK HARBOUR NWT	
SCH73NM	ENVIRONMENTAL EVALUATION OF BORROW SITES, CULVERTS AND DEVELOPMENT SITES ON THE DEMPSTER HIGHWAY - MILES 290 TO 344	CG170.3.11
TAM75INTP	BEDROCK SOURCES OF HIGHWAY MATERIALS, INUVIK TO TUKTOYAKTUK	
TAMS75MD	BEDROCK SOURCES OF HIGHWAY MATERIALS, INUVIK TO TUKTOYAKTUK HIGHWAY OCT 1975	
TCL80NW	NORMAN WELLS LAND ASSEMBLY, GEOTECHNICAL INVESTIGATION	15-22-17
TEC76MV	BEAUFORT-DELTA OIL PROJECT LIMITED: PRELIMINARY BORROW SOURCE STUDY MACKENZIE VALLEY CORRIDOR VOLUMES I TO IV	TM140
TEM71MV	DATA REPORT ON PRELIMINARY SOILS AND TERRAIN INVESTIGATION PROGRAM MILE 100 TO MILE 520 OF PROPOSED PIPELINE ROUTE (SIX VOLUMES)	
UMA73BR	SUBSOIL CONDITIONS FOR PROPOSED BLACKWATER RIVER BRIDGE, MILE 492.0 MACKENZIE HIGHWAY	
UMA73BS	SUBSURFACE SOIL CONDITIONS FOR PROPOSED BIG SMITH CREEK BRIDGE, MILE 544.0 MACKENZIE HIGHWAY	

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - BIBLIOGRAPHY

STUDY NUMBER	REPORT TITLE	CONSULTANT JOB NO.
UMA73LS	SUBSURFACE SOIL CONDITIONS FOR PROPOSED LITTLE SMITH CREEK BRIDGE, MILE 533.0	
UMA73MVTC	SUBSURFACE CONDITIONS FOR PROPOSED BRIDGE, MILE 498.5 MACKENZIE HIGHWAY	
UMA73OR	SUBSURFACE SOIL CONDITIONS FOR PROPOSED OCHRE RIVER BRIDGE, MILE 454.5 MACKENZIE HIGHWAY	
UMA73ORBS	REPORT ON GEOTECHNICAL INVESTIGATION FOR THE PROPOSED MACKENZIE HWY, M450-545 DEC 23,1973,(4 VOLS)	2106-032-45
UMA73RC	SUBSOIL CONDITIONS FOR PROPOSED RAINBOW CREEK BRIDGE, MILE 471.6 MACKENZIE HIGHWAY	
UMA73SC	SUBSURFACE SOIL CONDITIONS FOR PROPOSED-STEEP CREEK BRIDGE, MILE 511.8 MACKENZIE HIGHWAY	
UMA73SR	SUBSOIL CONDITIONS FOR PROPOSED SALINE RIVER BRIDGE, MILE 521 MACKENZIE HIGHWAY	
UMA73SRGB	PRELIMINARY EVALUATION OF ALTERNATE ROUTES - SALINE RIVER TO GREAT BEAR RIVER, MILE 521 - 590	06-032-45-01
UMA73WC	SUBSURFACE SOIL CONDITIONS FOR PROPOSED WHITESAND CREEK BRIDGE, MILE 459.6 MACKENZIE HIGHWAY	

APPENDIX E
LIST OF REPORTS NOT CATALOGUED TO DATE

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
GSC70__	SURFICIAL GEOLOGY, 97C,97D (PRELIMINARY)	GSC	OF 48	GSC	GSC
RKL70PBMV	MACKENZIE VALLEY PIPELINE ROUTE (PRUDHOE BAY TO ALBERTA BORDER)	RKL		CAGSL	KLC?
TEM70NWFS	PERMAFROST REGRESSION, NORMAN WELLS, FORT SIMPSON, NWT	TEMPLETON		AGTL (NOVA)	NOVA?
EWB71MV	SOIL AND FOUNDATION CONDITIONS BOREHOLE LOGS, SANS SAULT TO FORT GOOD HOPE PARALLEL TO MACKENZIE HWY MILES 650-725	E.W.BROOKER	E-476.1	GAS ARCTIC	EBA
CAG__MV	PIPELINE ALIGNMENTS	CAGSL		CAGSL	ESSO?
DAM72IN	SOILS INVESTIGATION INUVIK TEST FACILITY, INUVIK, NWT	DAMES&MOORE	8873-002		GSC
EWB72FS	SOIL AND FOUNDATION CONDITIONS PROPOSED FORT SIMPSON SUBDIVISION DEVELOPMENT	E.W.BROOKER	E-498		EBA
EWB72IN	SUBSURFACE INVESTIGATION BULK PLANT FACILITIES, INUVIK, NWT	E.W.BROOKER		J.R.PAINE ASSOCIATES	EBA



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
EWB72INP2	GEOTECHNICAL REPORT V.II - APP.D TERRAIN DATA INUVIK TO PARSONS LAKE, NWT (TO ACCOMPANY SUBSURFACE DATA NCPC ROUTE REPORT)	E.W.BROOKER		GAS ARCTIC	EBA
GSC72__	TERRAIN CLASSIFICATION AND SENSITIVITY (PRELIMINARY) 106I,106J,106K,106M,106N,106O	GSC	OF 121	GSC	GSC
GSC72__	TERRAIN CLASSIFICATION AND SENSITIVITY (PRELIMINARY) 96B,96E,96F,96G	GSC	OF 125	GSC	GSC
MVPL72HRTK	HANNA RIVER TO TUKTOYAKTUK REGIONAL RECONNAISSANCE LEVEL SUBSURFACE INFORMATION FOR A WARM OIL PIPELINE FEASIBILITY STUDY	MVPL (BLACKWELL & WATSON		MVPL	ESSO?
PWC72DH	DEMPSTER HIGHWAY, MILE 330 TO 365	PWC		PWC	PWC?
PWC72FSMC	FORT SIMPSON TO MACKENZIE CROSSING (MILES 295 TO 343.6) 1972-1973	PWC		PWC	PWC?



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
PWC72MH	MACKENZIE HIGHWAY, MILE 931 TO 964	PWC		PWC	PWC?
RMH72CO	PERMAFROST REGRESSION STUDY AT R.M.HARDY CANOL ROAD, NORMAN WELLS 1971,1972			NWPSG	ESSO
EWB73SM	TERRAIN EVALUATION MACKENZIE TRANSPORTATION CORRIDOR, S. PART LATITUDE 60-64°N (ENVIRONMENTAL SOCIAL PROGRAM NORTHERN PIPELINES?)	EBA?	101-2591?	POLAR GAS	EBA?
FTHL MV	PIPELINE ALIGNMENTS	FOOTHILLS PIPELINES			GSC
GSC73__	TUKTOYAKTUK, 13 PG REPORT, 4 MAPS, STRATIGRAPHY, ICE, GEOPHYSICS	GSC	OF 128	GSC	GSC
GSC73__	TERRAIN CLASSIFICATION AND SENSITIVITY (PRELIMINARY) 96C	GSC	OF 144	GSC	GSC
GSC73__	TERRAIN CLASSIFICATION AND SENSITIVITY 96D (REVISION TO: OF 132)	GSC	OF 145	GSC	GSC



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
GSC73FG	GEOMORPHOLOGY AND QUATERNARY GSC HISTORY OF THE MACKENZIE RIVER VALLEY NEAR FORT GOOD HOPE, NWT, CAN. J. OF EARTH SCIENCES 10,26			GSC	GSC
GSC73MVTC	TERRAIN EVALUATION WITH RESPECT TO PIPELINE CONSTRUCTION, MACKENZIE VALLEY TRANSPORTATION CORRIDOR, CENTRAL PART, LAT.64 TO 68. (FOR ENVIRONMENTAL-SOCIAL COMMITTEE, NORTHERN PIPELINES, TASK FORCE ON NORTHERN OIL DEVELOPMENT)		GSC (O. HUGHES)	RPT.73-37	GSC
GSC__MH	MACKENZIE HWY, MILE 399 TO 410.9 GSC? TESTHOLE LOGS, CENTRELINE AND BORROW PIT			GSC?	GSC
GSC__MV	MACKENZIE VALLEY GEOPHYSICAL TRACKPLOTS AND GEOPHYSICAL RESULTS RECORDED ON FILE CARDS	VARIOUS		VARIOUS	GSC
GSC__NW	ENVIRONMENTAL ASSESSMENTS FOR NORMAN WELLS AREA	VARIOUS		VARIOUS	GSC
GSC73NW	NORMAN WELLS AREA	GSC		GSC	GSC



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
GSC73SM1	GRANULAR RESOURCE INVENTORY, S.MACKENZIE VALLEY: 95J,96E,96B, 96C,96F,96D, GRAIN ANALYSES FROM 95N,O,K,J,G,H,I,B,A,85D,E	GSC		GSC	GSC
GSC73SM2	GRANULAR RESOURCE INVENTORY, S.MACKENZIE VALLEY:95H,A,N,I, K,O,95G,85E,D	GSC		GSC	GSC
PWC73MH	MACKENZIE HIGHWAY, MILE 346 TO 450, GEOTECHNICAL INVESTIGATION	PWC		PWC	GSC
PWC73FSRM	IN-HOUSE GRAVEL SEARCH: FORT SIMPSON TO CAMSELL BEND TO RIVER-BETWEEN-TWO-MOUNTAINS	PWC		PWC	GSC
	MACKENZIE HIGHWAY, NWT, MILE 399 TO MILE 410.9, SOILS TESTHOLE LOGS (105 LOGS BUT NEED REPORT)				GSC (LOGS)
RMH73NC	GEOTECHNICAL INVESTIGATION: PROPOSED BRIDGE SITE: NOTA CREEK, MILE 604.4, MACKENZIE HIGHWAY	RM HARDY		PWC	PWC



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
GSC74MVTC	SURFICIAL GEOLOGY AND LAND CLASSIFICATION MACKENZIE VALLEY TRANSPORTATION CORRIDOR:85D,E, 95A,B,F,G,I,K,N,O	GSC		GSC	GSC
RKL74HR	COMMUNITY GRANULAR MATERIALS HAY RIVER, NWT	RKL			DIAND?
EBA75NW	GEOTECHNICAL EVALUATION FOR PROPOSED ADDITION TO NORTHERN CANADA POWER COMMISSION POWERHOUSE, NORMAN WELLS	EBA		NCPC	EBA
EBA75RI	PRELIMINARY BORROW EVALUATION BIG HORN POINT, RICHARDS ISLAND, NWT	EBA		IMPERIAL OIL	EBA
GSC75MV	GROUND ICE VARIABILITY, VARIOUS SITES	GSC (KURFURST & HEGINBOTTOM)		GSC	GSC
MHG75MH	GRANULAR MATERIALS INVENTORY: MACKENZIE RIVER VALLEY, N.W.T.	MACKENZIE HWY GRANULAR MATERIALS WORKING GROUP			DIAND?



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
NES75__	FROST EFFECTS	NESCL			ESSO?
NES75FS	FROST EFFECTS, FORT SIMPSON	NESCL			ESSO?
NES75MVTC	MAJOR RIVER CROSSINGS ALONG PIPELINE ROUTE	NESCL			ESSO?
PWC75FGDH	FORT GOOD HOPE TO DEMPSTER AND PWC MACKENZIE HIGHWAY JUNCTION (MILE 925 TO 936)			PWC	PWC
PWC75MH	MAJOR RIVER CROSSINGS, MACKENZIE HIGHWAY, MILE 725 TO 936	PWC		PWC	PWC
PWC75MH	MACKENZIE HIGHWAY, MILE 902 TO 936	PWC		PWC	PWC
EBA76MD	DETAILED GEOTECHNICAL EVALUATION OF POTENTIAL SOURCES OF GRANULAR MATERIAL AT DEVIL'S LAKE, LUCAS POINT, SWIMMING POINT, MACKENZIE DELTA AREA, NWT	EBA		DIAND	EBA



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
EBA76FS	GEOTECHNICAL EVALUATION PROPOSED WATER RESERVOIR NEW WATER TREATMENT PLANT, STORAGE TANKS, LINE AND ACCESS ROAD, FORT SIMPSON, NWT	EBA		STRONG, EBA LAMB AND NELSON	
EBA76IN	SITE INVESTIGATION AND FOUNDATION DESIGN FOR HEATED FUEL STORAGE TANK, INUVIK	EBA		NCPC	EBA
GEN76CL	FIELD SURVEY OF POTENTIAL RIPRAP QUARRY SITES IN THE CAMPBELL LAKE AREA	GENTILE,DJ, AND ZATURECKY, J.W.			DIAND?
MH76PL	1976 GEOTECHNICAL SURVEY PROPOSED GAS PLANT, PARSONS LAKE	R.M. HARDY		GULF	GULF
NES76MV	PIPELINE RELATED BORROW STUDIES, 1975-76	NESCL		CAGSL	ESSO?
PWC76TK	GEOTECHNICAL INVESTIGATION MILE 970 (INUVIK) TO MILE 1059 (TUKTOYAKTUK) MACKENZIE HWY	PWC			PWC



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
RMH76TG	1976 GEOTECHNICAL SURVEY: FIELD STUDIES FOR BEAUFORT GAS PROJECT, TAGLU, NWT	R.M. HARDY		ESSO	ESSO
TAM76YA	YA-YA LAKE ESKER COMPLEX SITE DEVELOPMENT AND RESTORATION PLAN	TERRAIN ANALYSIS AND MAPPING SERVICES LTD.		DIAND	DIAND
EBA77HR	BORROW PIT EVALUATION MILE 8 HAY RIVER, NWT	EBA		IMPERIAL OIL	EBA
EBA77NW	FOUNDATION DESIGN FOR A HEATED WATER STORAGE TANK, NORMAN WELLS, NWT	EBA		DPW-GNWT	
NES77MV	PIPELINE RELATED BORROW STUDIES, 1976-77, VOL. I,II,III	NESCL		CAGSL	ESSO?
RMH77NG	1977 GEOTECHNICAL FIELD PROGRAM NIGLINTGAK GAS DEVELOPMENT MACKENZIE RIVER DELTA, NWT	R.M. HARDY		SHELL	SHELL

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
RMH77TK2	1977 GRANULAR MATERIALS INVENTORY: TUKTOYAKTUK, PHASE II, GEOPHYSICAL DATA ACQUISITION	R.M. HARDY		DIAND	DIAND
EBA79NW	PRELIMINARY GEOTECHNICAL INVESTIGATION FOR A RIVER CROSSING, NORMAN WELLS, NWT	EBA		ESSO	EBA
EBA79TK	TUKTOYAKTUK HARBOUR APPROACH STUDY	EBA		DOMES	EBA
HAL79TK	1979 GRANULAR MATERIALS INVENTORY - PHASE III, TUKTOYAKTUK HARBOUR	HARDY ASSOCIATES		DIAND	DIAND
EBA80IN	GEOTECHNICAL EVALUATION AND REMEDIAL MEASURES, SUNNY MICROWAVE TOWER, 64KM S OF INUUVIK, NWT	EBA		NWTEL	EBA
EBA80LLMV	ROUTE ASSESSMENT OF "Y" LINE TO LONGGLAC VIA MACKENZIE VALLEY - GEOTECHNICAL OVERVIEW BY EBA ENGINEERING CONSULTANTS LTD (1979 NOV)	EBA		MOLLARD	EBA



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
EBA80MK	GEOTECHNICAL EVALUATION AT MCKINLEY BAY	EBA		CANMAR	EBA
EBA80TK	TUKTOYAKTUK HARBOUR APPROACH STUDY, PHASE II	EBA		CANMAR	EBA
HAL80TK	1980 GRANULAR MATERIALS INVENTORY - TUKTOYAKTUK, SOURCES 160 AND 161	HARDY ASSOCIATES		DIAND	DIAND
KOM80NW1	NORMAN WELLS EXPANSION PROJECT 1980 GEOTECHNICAL INVESTIGATIONS (INTERIM DATA REPORT)	KOMEX/ GEOCON		ESSO	ESSO
KOM80NW2	NORMAN WELLS EXPANSION PROJECT 1980 GEOTECHNICAL INVESTIGATIONS	KOMEX/ GEOCON		ESSO	ESSO
EBA81MD	GEOTECHNICAL EVALUATION FOR A PIPELINE FEASIBILITY STUDY MACKENZIE DELTA, MIDDLE CHANNEL, PHASE II	EBA	101-2746	ESSO	EBA



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
EBA81MK	GEOTECHNICAL EVALUATION OF PROPOSED CAMP FACILITIES AND MARINE WHARF AT NORTH PROTECTION ISLAND, MCKINLEY BAY	EBA		DOME	EBA
KOM81NW	NORMAN WELLS EXPANSION PROJ. 1981 SUBSURFACE INVESTIGATIONS	KOMEX		ESSO	ESSO
PWC81NM	GEOTECHNICAL INVESTIGATION, MILE PWC 970 TO MILE 1059, MACKENZIE HIGHWAY, (COMBINED DATA 1976-1980)			PWC	PWC
KOM82NW	NORMAN WELLS EXPANSION PROJ. 1982 GEOTECHNICAL INVESTIGATIONS	KOMEX	921-2	ESSO	ESSO
PWC81TK1 PWC81TK2 PWC81TK3	GEOTECHNICAL INVESTIGATION MILE 970 TO MILE 1059 (INUVIK TO TUKTOYAKTUK) VOL. I - MILE 970 TO 995 VOL. II - MILE 995 TO 1020 VOL. III - MILE 1020 TO 1059	PWC		PWC	PWC



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
PWC81MH	FINAL REPORT-CONTRACT 35-4-2026 MACKENZIE HWY CONSTRUCTION MILE 347.03 TO 394.60 CLEARING, GRADING, GRUBBING, DRAINAGE, STRUCTURE	PWC		PWC	PWC
EBA82TK	SITE INVESTIGATION FOR A CAMP FACILITY AT TUKTOYAKTUK, NWT	EBA		N. TRANS CO. LTD.	EBA
HAL82BCGB	ENGINEERING RECOMMENDATIONS FOR BOSWORTH CREEK AND GREAT BEAR CREEK CROSSINGS	HARDY		PWC	PWC
HAL82NW1	NORMAN WELLS PIPELINE PROJECT 1982 DRILLING PROGRAM DATA REPORT	HARDY		IPL?	IPL?
HAL82NW1	NORMAN WELLS PIPELINE PROJECT REPORT ON INVESTIGATIONS FOR EVALUATIONS OF SLOPES	HARDY		IPL?	IPL?
MAC82MV	ENVIRONMENTAL GUIDELINES, PITS AND QUARRIES	MACLAREN PLANSEARCH		DIAND	EBA



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
BBT83MD	GRANULAR MATERIALS EVALUATION: BBT AND GVM DEPOSITS 168 AND 211, TUKTOYAKTUK AREA, NWT			DIAND	DIAND
EBA83QB	EVALUATION OF POTENTIAL SOURCES OF QUARRY ROCK FOR MARINE STRUCTURES, BEAUFORT SEA	EBA		DIAND	EBA
EBA83TK	GRANULAR RESOURCES DEVELOPMT AND MANAGEMENT PLAN FOR TUKTOYAKTUK, NWT	EBA		DIAND	EBA
EBA84IN	SITE INVESTIGATION AND FOUNDATION DESIGN, PROPOSED POWERHOUSE FACILITY, INUVIK, NWT	EBA		A.V.CARL (NCPC)	EBA
EBA84NW	GEOTECHNICAL EVALUATION FOUNDATION DESIGN, PROPOSED AIR TERMINAL-BUILDING, NORMAN WELLS	EBA		TRANSP CANADA	EBA
GSC86MV	PHYSIOGRAPHIC MAP OF THE CANADIAN CORDILLERA:82,92,93,94, 102NE,103,104,114NE,95,105,115, 96,106,116	GSC		GSC	GSC



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED continued

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
HAL8__	COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, NWT, INTERIM REPORTS AND FINAL - PHASE I, 1986 - PHASE II - FIELD RECONNAISSANCE, 1986 - PHASE III - WINTER DRILLING PGM, DEPOSIT 155, 1987 - PHASE III - FINAL COMPARISON OF POTENTIAL SOURCES, 1987 - PHASE IV - SOURCE 155 NORTH - DRAFT, 1988 - SOURCE 155 NORTH DEVELOPMENT PLAN, 1989	HARDY ASSOCIATES		DIAND	DIAND
PWC86MH	AS-BUILT DRAWINGS, MACKENZIE HWY, M.P. 296-344,345-394,395-425, 426-450	PWC		PWC	PWC
TCL87__	GRANULAR RESOURCES MANAGEMENT STRATEGY SOUTH SLAVE REGION	THURBER		DIAND	DIAND



MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
DPWN88MH	COMMUNITY SUPPLY OF GRANULAR MATERIAL - NOT PUBLISHED, FROM SANDY MURRAY, PROJECT OFFICER, GNWT-DPW & HWYS TRANSPORTATION 1992 - FROM FRED COLLINS	DPWN		DPWN	DPWN
PWC MH	AS-BUILT MAPS, MILE 229.032 TO 297.865, MACKENZIE HIGHWAY	PWC		PWC	PWC
PWC MH	AS-BUILT MAPS, MILE 86 TO 117.4, MACKENZIE HIGHWAY	PWC		PWC	PWC
PWC MR	RIVER INVESTIGATION, PREPARED NAVIGATION CHANNEL IMPROVEMENTS TEST DRILLING PROGRAM	PWC		PWC	PWC
EBA87AK EBA87IN EBA87TK	INUVALUIT SETTLEMENT SAND AND GRAVEL INVENTORY AND RECOMMENDATIONS FOR DEVELOPMENT: - AKLAVIK, NWT - INUVIK, NWT - TUKTOYAKTUK, NWT	EBA		DIAND	EBA

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
GAL8__	BEAUFORT REGION QUARRY ROCK STUDY: 1987 - REPORT 1987 - SUPPLEMENTARY VOLUME OF SUPPORTING DOCUMENTS 1988 - PHOTO ALBUM, LAB PHOTOS 1988 - PHOTO ALBUM, FIELD RECONN 1988 - SUPPLEMENTARY REPORT	GOLDER ASSOCIATES		DIAND	DIAND
HBT88__	PLAN FOR THE RESERVATION AND AND DEVELOPMENT OF GRANULAR MATERIALS IN THE VICINITY OF - AKLAVIK, NWT - INUVIK, NWT - TUKTOYAKTUK, NWT	HARDY BBT (NESBITT, HOWELL)		DIAND	DIAND
IDC88ID	DIGITIZATION OF GRANULAR RESOURCE DATA; INUVIALUIT SETTLEMENT AREA	INUVIALUIT DEV. CORP.		DIAND	DIAND

MACKENZIE VALLEY GRANULAR RESOURCE PROJECTS - NOT CATALOGUED

STUDY NUMBER	REPORT TITLE	CONSULTANT	CONS. JOB NO.	SPONSOR	ARCHIVE
KLL88__	WESTERN BEAUFORT REGION CONCRETE AGGREGATE STUDY - ORIGINAL REPORT - PHASE 2: ELABORATION OF ORIGINAL STUDY - PART C: ELABORATION OF ORIGINAL STUDY	KLOHN LEONOFF		DIAND	DIAND
GSC89MV	CHARACTER AND DISTRIBUTION OF QUATERNARY DEPOSITS CH.1 - QUATERNARY GEOLOGY OF THE CANADIAN CORDERILLA, CH.2 - QUATERNARY GEOLOGY OF THE CANADIAN INTERIOR PLAINS)	GSC		GSC	EBA

APPENDIX F
ADDITIONAL REFERENCES

ADDITIONAL REFERENCES - MACKENZIE VALLEY PROJECTS

YEAR/MONTH	REPORT TITLE	CONSULTANT	CONSULTANT JOB NUMBER
1973/03	INTERIM REPORT NO. 3 TOWARDS AN ENVIRONMENTAL IMPACT ASSESSMENT OF THE PORTION OF THE MACKENZIE GAS PIPELINE FROM ALASKA TO ALBERTA - APP. IV AND VI, WINTER ROAD STUDY, GEOTECHNICAL AND HYDROLOGICAL STUDIES OF OFF RIGHT-OF-WAY EFFECTS.	TEMPLETON (FOR CAGSL)	
1975	GENERAL PHYSICAL AND CHEMICAL DATA FOR WATER AND AND SEDIMENT OF THE MACKENZIE AND PORCUPINE WATERSHEDS AND RATES OF TRANSPORT OF DISSOLVED AND SUSPENDED ELEMENTS AT SELECTED STATIONS IN THE MACKENZIE AND PORCUPINE WATERSHEDS 1971-1974	ENV. CANADA	T.R. 556
1977	MORPHOLOGY OF THE MACKENZIE DELTA CHANNELS. THIRD NATIONAL HYDROTECHNICAL CONFERENCE, CSCE, LAVAL, QUE	HOLLINGSHEAD, G.W.	
1979/11	CONSTRUCTION PLAN FOR ALTERNATIVE ROUTES, "Y" ROUTE TO LONGLAC VIA MACKENZIE VALLEY	IPL FOR CPSS*	
1980	HISTORICAL SEDIMENT DATA SUMMARY, CANADIAN RIVERS, 1978	INLAND WATERS DIR	
1980	SURVEY OF BENTHIC MICROINVERTEBRATE IN FISH POPULATIONS IN THE MACKENZIE RIVER AT NORMAN WELLS, NWT	ENVIROCON	
1981	SURVEY OF FISH REARING AREAS IN HYDROCARBON ANALYSIS OF WATER SAMPLES FROM THE MACKENZIE RIVER NEAR NORMAN WELLS, NWT	ENVIROCON	



ADDITIONAL REFERENCES - MACKENZIE VALLEY PROJECTS - continued

YEAR/MONTH	REPORT TITLE	CONSULTANT	CONSULTANT JOB NUMBER
1982(B)/04	NORMAN WELLS EXPANSION PROJECT, SETTLEMENT OF ARTIFICIAL ISLAND HYDRAULIC SAND FILL. (FOR ESSO RESOURCES CANADA LTD.)	KOMEX	944
1982	SEDIMENT DATA REFERENCE INDEX (ENVIRONMENT CANADA)	INLAND WATERS DIR	
1983	SEDIMENT DATA, CANADIAN RIVERS (ENVIRONMENT CANADA)	INLAND WATERS DIR	
1983-86	MACKENZIE RIVER NAVIGATIONAL CHARTS NO. 6404 TO 6426	CHS	
1984	BEAUFORT SEA, MACKENZIE DELTA, MACKENZIE VALLEY NORTHERN YUKON; BIBLIOGRAPHIC REVIEW	GOODWIN HOWARD	
1990/03	THE ARCTIC SCIENCE AND TECHNOLOGY INFORMATION SYSTEM (MAY BE MORE RECENT LISTINGS)	UNIV. OF CALGARY (AINA)	

APPENDIX G

REFERENCE LISTS FROM PREVIOUS DATABASE REPORTS

**EBA 1988
HBT 1986
BENNETT 1988**

LIST OF EBA 1988 CROSS-REFERENCES (from 0306-34395 report)

- 1 - Northern Engineering Services Company Ltd. (1975). Pipeline Borrow Investigations. Fort Good Hope, N.W.T. to Latitude 60°N, Vol. III.
- 2 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Intercommunity Study Area. Fort Simpson to Wrigley, N.W.T. For Department of Indian Affairs and Northern Development.
- 3 - Northern Engineering Services Company Ltd. (1973). Pipeline Related Borrow Studies. For Canadian Arctic Gas Study Ltd.
- 4 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Intercommunity Study Area. Wrigley to Fort Norman, N.W.T. Book I - Wrigley to Blackwater River, Book II - Blackwater River to Fort Norman. For Department of Indian Affairs and Northern Development.
- 5 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Community Study Area. Fort Simpson, N.W.T. For Department of Indian Affairs and Northern Development.
- 6 - Northern Engineering Services Company Ltd. (1975). Pipeline Related Borrow Studies - Cross Delta Alternative Route and East of Fort Simpson Realignment. For Canadian Arctic Gas Study Ltd.
- 7 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Intercommunity Study Area. Fort Norman to Norman Wells, N.W.T. For Department of Indian Affairs and Northern Development.
- 8 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Community Study Area. Fort Norman, N.W.T. For Department of Indian Affairs and Northern Development.
- 9 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Community Study Area. Wrigley, N.W.T. For Department of Indian Affairs and Northern Development.
- 10 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Community Study Area. Norman Wells, N.W.T. For Department of Indian Affairs and Northern Development.
- 10 - Pemcan Services (1972) Ltd. (1973). Granular Materials Inventory. Community Study Area. Fort Simpson, N.W.T. For Department of Indian Affairs and Northern Development.

LIST OF EBA, 1988 CROSS-REFERENCES continued

11 to

- 19 - Geological Survey of Canada (1973). Granular Resource Inventory. Southern Mackenzie Valley, N.W.T.
 - 11 - Fort Simpson 95-H
 - 12 - Trout Lake 95-A
 - 13 - Dahadinni River 95-H
 - 14 - Bulmer Lake 95-I
 - 15 - Fort Liard 95-K
 - 16 - Wrigley 95-O
 - 17 - Sibbeston Lake 95-G
 - 18 - Mills Lake 85-E
 - 19 - Kakisa River 85-D
- 20 - Environmental - Social Program Northern Pipelines (1973). Terrain Evaluation Mackenzie Transportation Corridor, Southern Part (Lat 60° - 64° N).
- 21 - EBA Engineering Consultants Ltd. (1980). Mackenzie Valley Pipeline Assessment. For Department of Indian Affairs and Northern Development.
- 22 - Pipeline Application Assessment Group (1974). Mackenzie Valley Pipeline Assessment. For Department of Indian Affairs and Northern Development.
- 23 - Interprovincial Pipeline (NW) Ltd. (1980). Norman Wells Pipeline Project. Environmental Impact Statement, Vol. 3A of 4.
- 24 - Public Works Canada, Western Region. Geotechnical Investigation (1975). Mile 347 to Mile 690, Mackenzie Highway, Vol. 1 - Report.
- 25 - Department of Public Works (1973). Mackenzie Highway, Mile 346 to Mile 450. Geotechnical Investigation, Vol. 9 - Photomosaics.
- 26 - Department of Public Works. In-house, Gravel Search:
 - a) Fort Simpson to Camsell Bend - Blue Shading (hand dug test holes, 1976 September), Green Shading (drilled test holes, 1986 February).
 - b) Red Shading - Camsell Bend to River-Between-Two_Mountains (hand dug test holes, 1982 September).
- 27 - Public Works Canada, January 1981. Final Report - Contract no. 35-4-2026. Mackenzie Highway Construction, N.W.T. - Mile 347.03 to Mile 394.60 - Clearing, Grading, Grubbing, Drainage and Structures - Project 085965.

LIST OF EBA, 1988 CROSS-REFERENCES continued

- 28 - Department of Public Works, November 1986. As-built drawings, Mackenzie Highway, N.W.T.
- M.P. 296-344
- M.P. 345-394
- M.P. 395-425
- M.P. 426-450
- 29 to
- 36 - Geological Survey of Canada (1973). Granular Resources Inventory, Southern Mackenzie Valley, N.W.T.
29 - Camsell Bend 95-J
30 - Norman Wells 96-E
31 - Norman Wells - Addendum 96-E
32 - Blackwater Lake 96-B
33 - Fort Norman 96-C
34 - Mahony Lake 96-F
35 - Carcajou Canyon 96-D
36 - Grain Size Analysis from (95-N,O,K,J,G,H,I,B,A, 85-D,E)
- 37 - Interprovincial Pipeline (NW) Ltd. (1980). Norman Wells Pipeline Projects. Environmental Impact Statement, Vol 3C of 4.
- 38 - E.W. Brooker and Associates Ltd. (1973). Mackenzie Highway Geotechnical Evaluation, Vol. XIV, Borrow Borehole Logs, Mosaics and Borrow Profiles, Borrow Area Summary Table. Section V, Mile 648 to Mile 632, Mackenzie Highway.
- 39 - Hardy Associates (1978) Ltd. (1986). Granular Resource Potential, Lower Mackenzie Valley (1986). For Indian and Northern Affairs Canada.
- 40 - Department of Public Works. Maps 1-5, Community Supply of Granular Material - not published, supplied by Sandy Murray, Project Officer, DPW and Highways Transportation, Engineering Division, Yellowknife, N.W.T.
- 41 - E.W. Brooker and Associates Ltd. (1973). Mackenzie Highway Geotechnical Evaluation, Vol. I. Centreline Subgrade Conditions and Borrow Resources, Mile 632 to Mile 725.
- 42 - E.W. Brooker and Associates Ltd. (1973). Mackenzie Highway Geotechnical Evaluation, Vol. III. Airphoto Mosaics, Borrow Borehole Profiles and Centreline Terrain Summary, Mile 674 to Mile 632.

LIST OF EBA, 1988 CROSS-REFERENCES continued

43 to

- 46 - Public Works Canada, Western Region. Geotechnical Investigation, Mile 347 to Mile 690, Mackenzie Highway Winter 1975.
 - 43 - Volume II - Soil Data Mile 347 to 440.
 - 44 - Volume III - Soil Data Mile 440 to 510.
 - 45 - Volume IV - Soil Data Mile 510 to 583.
 - 46 - Volume V - Soil Data Mile 583 to 690.

- 47 - Department of Public Works. As-built maps, Mile 229.032 to Mile 297.865, Mackenzie Highway, Project No. 82248

- 48 - Department of Public Works. As-built maps, Mackenzie Highway, Mile 86 to Mile 117.4, Project No. 02225

- 49 - R.M. Hardy and Associates Ltd. (1973 April 20). Geotechnical Investigations, Mackenzie Highway, Mile 544 to Mile 635, Vol.1.

- 50 - Environmental and Social-Economic Effects of the Proposed Canadian Arctic Gas Pipeline on the Northwest Territories and Yukon.

- 51 - EBA Engineering Consultants Ltd. (1987 April). An Evaluation of the Feasibility of Developing Granular Borrow from the Bed of the Mackenzie River. For Indian and Northern Affairs Canada.

- 52 - MacLaren Plansearch (1982). Environmental Guidelines, Pits and Quarries. For Indian and Northern Affairs Canada.

LIST OF HBT 1986 CROSS-REFERENCES (from CG10219 report)

- 1 - Pemcan Services "72". Stage 1, Granular Materials Inventory.
 - Intercommunity Study Area, Norman Wells to Fort Good Hope, N.W.T.
 - Community Study Area, Norman Wells, N.W.T.
 - Community Study Area, Fort Good Hope, N.W.T.
 - Summary, Fort Simpson to Fort Good Hope, N.W.T.:Department of Indian Affairs and Northern Development.
- 2 - Ripley, Klohn and Leonoff International Ltd. (1973). Stage II, Granular Materials Inventory: Zone I / Zone II / Zone III / Zone IV, V, VI. Department of Indian Affairs and Northern Development.
- 3 - Ripley, Klohn and Leonoff International Ltd. (1973). Stage II, Community Granular Materials Inventory:
 - Inuvik, N.W.T.
 - Arctic Red River, N.W.T.
 - Tuktoyaktuk, N.W.T.Department of Indian Affairs and Northern Development.
- 4 - EBA Engineering Consultants Ltd. (1973). Stage III, Granular Materials Inventory. Volume I, II, III, IV: Department of Indian Affairs and Northern Development.
- 5 - EBA Engineering Consultants Ltd. (1983). Mackenzie Highway Geotechnical Evaluation Miles 632 - 725. Public Works Canada.
- 6 - Public Works Canada (1975). Geotechnical Investigation Mile 725 to Mile 936, Mackenzie Highway - Volume I, Geotechnical Analysis.
- 7 - Northern Engineering Services Company Ltd. (1976-77). Pipeline Related Borrow Investigations. Volumes I to III. Canadian Arctic Gas Study Ltd.
- 8 - EBA Engineering Consultants Ltd. (1976). Granular Materials Evaluation, Mackenzie Delta Area. Department of Indian Affairs and Northern Development.
- 9 - Techman Ltd. (1976). Preliminary Borrow Source Study, Mackenzie Valley Corridor. Volumes I to IV. Beaufort Delta Oil Project Ltd.
- 10 - Public Works Canada. (1981). Geotechnical Investigation, Mile 970 to Mile 1059, Mackenzie Highway (Combined Data 1976-1980).
- 11 - Klohn-Leonoff Consultants Ltd. (1974). Granular Materials Inventory, Parsons Lake, N.W.T. Gulf Oil Ltd.

LIST OF BENNETT 1988 CROSS-REFERENCES (from LBCon 1988 report)

- A-0101-1 EBA Engineering Consultants Ltd. (1973). Stage III, Granular Materials Inventory: Volumes I, II, III, IV. Department of Indian Affairs and Northern Development.
- A-0102-1 Pemcan Services "72" Ltd. (1972) Community Study Area, Norman Wells, Granular Materials Inventory, Stage I, Department of Indian Affairs and Northern Development.
- A-0102-1 Pemcan Services "72" Ltd. (1972) Community Study Area, Fort Good Hope, Granular Materials Inventory, Stage I, Department of Indian Affairs and Northern Development.
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