

**COMPILATION OF
REPORT CATALOGUE AND BOREHOLE
DATABASES FOR TUKTOYAKTUK, N.W.T.**

JUNE, 1994



D001338

**COMPILATION OF
REPORT CATALOGUE AND BOREHOLE
DATABASES FOR TUKTOYAKTUK, N.W.T.**

JUNE, 1994

0701-11424

**COMPILATION OF
REPORT CATALOGUE AND BOREHOLE
DATABASES FOR TUKTOYAKTUK, N.W.T.**

SUBMITTED TO:

**Geological Survey of Canada
Ottawa, Ontario**

PREPARED BY:

**EBA Engineering Consultants Ltd.
Yellowknife, N.W.T.**

0701-11424

June, 1994

EBA Engineering Consultants Ltd.

June 15, 1994

Geological Survey of Canada
Terrain Sciences Division
601 Booth Street, Room 362
Ottawa, Ontario
K1A 0E8

EBA File: 0701-11424
GSC File: 10382312

Attention: Dr. Scott Dallimore

Dear Sir:

Subject: Report Catalogue and Borehole Databases
Tuktoyaktuk, Northwest Territories

As requested by the Geological Survey of Canada (GSC), EBA Engineering Consultants Ltd. (EBA) has completed compilation of databases for Tuktoyaktuk, Northwest Territories. This report summarizes the project activities and describes the databases compiled and data presentation.

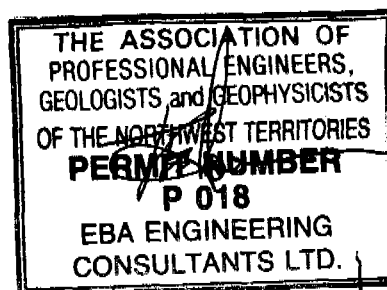
We have appreciated this opportunity to provide engineering services for GSC and we trust that this report and databases satisfy your present requirements. If you have questions, please contact the undersigned or Mr. Ed Hoeve, P.Eng.

Yours truly,
EBA Engineering Consultants Ltd.



Rita I. Olthof, P.Eng.
Project Engineer

RIO/rio/11424.rpt



JUNE 16, 1994

June, 1994

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
2.0 PROJECT ACTIVITIES	1
2.1 COLLECTION OF DATA	1
2.2 EXTRACTION/COMPILATION OF DATA FOR REPORT CATALOGUE	2
2.3 EXTRACTION/COMPILATION OF DATA FOR BOREHOLE DATABASES	3
3.0 DATABASE PRESENTATION	4
4.0 RECOMMENDATIONS FOR FUTURE WORK	4
BIBLIOGRAPHY OF RELATED DATABASE PROJECTS	6
TABLE 1 - CONTRACTOR NAMES AND ABBREVIATIONS	
TABLE 2 - AREA NAMES AND ABBREVIATIONS	
TABLE 3 - SAMPLE TYPES AND ABBREVIATIONS	
APPENDIX A - REPORT CATALOGUE SUMMARY LIST AND ENTRIES	
APPENDIX B - BOREHOLE DATABASE SAMPLE LOG AND USC DESCRIPTIONS	
APPENDIX C - DISKETTES AND INSTALLATION INSTRUCTIONS	

1.0 INTRODUCTION

As requested by the Geological Survey of Canada (GSC), EBA Engineering Consultants Ltd. (EBA) has completed compilation of databases for Tuktoyaktuk, Northwest Territories. This report summarizes the project activities and describes the databases compiled and data presentation. The work comprises the Phase 1 and 2 worksopes as described in our letter of March 2, 1994. As well, EBA has provided hard copies of specific reports of interest to GSC.

A report catalogue comprising 45 report entries was compiled for the project. Of these, 29 reports contain onshore boreholes within or near the community of Tuktoyaktuk, are related to access and borrow offshore in Tuktoyaktuk Harbour or Channel, or were prepared for offshore projects along the Tuktoyaktuk Peninsula. The remaining reports discuss onshore granular resources within a 60 km radius of Tuktoyaktuk. Some of the report entries were extracted from existing databases. The origins of these databases are summarized in this report.

Several borehole databases were compiled, mostly comprising boreholes extracted from previously existing databases. A 60 km radius from Tuktoyaktuk was used to extract the boreholes, except where GSC had indicated an interest in boreholes beyond that distance along the Tuktoyaktuk Peninsula. As well, boreholes at considerable distance offshore were omitted. The origins of the borehole databases are summarized in this report.

2.0 PROJECT ACTIVITIES

2.1 COLLECT DATA

EBA greatly appreciates the efforts of those who assisted in the collection of data. Data was obtained from several sources:

- EBA's Edmonton, Yellowknife and Whitehorse office files,
- Indian and Northern Affairs Canada, Hull, Quebec (Mr. R.J. Gowan, P.Geol.),
- Geological Survey of Canada, Ottawa, Ontario (Mr. J.A. Heginbottom),
- Government of the Northwest Territories, Department of Public Works and Services, Yellowknife, N.W.T. (Ms. C. Melton),
- Government of the Northwest Territories, Economic Development and Tourism, Inuvik, N.W.T., (Mr. J. Cournoyea),
- Northwest Territories Power Corporation (Mr. T. O'Neill), and
- Public Works Canada, Edmonton, Alberta (Messrs. E. Pohranychny and S. Sahmy).

2.2 EXTRACTION AND COMPILATION OF DATA FOR REPORT CATALOGUE

To create the report catalogue for Tuktoyaktuk, the structure of the report catalogue database was copied from the existing Mackenzie Valley report catalogue. Then, report entries with location coordinates within 60 km of Tuktoyaktuk were copied from the Mackenzie Valley report catalogue into the Tuktoyaktuk report catalogue. This resulted in two catalogue entries. Similarly, report catalogue entries were extracted from the existing Beaufort Sea report catalogue database, resulting in an additional nine entries. The remaining entries were entered manually from reports collected specifically for this project.

The Mackenzie Valley and Beaufort Sea report catalogues were originally prepared by EBA for Indian and Northern Affairs Canada (INAC) in 1988, with several followup projects to update and standardize the databases in subsequent years. The bibliography lists the reports which describe the most recent updates of these databases. EBA's report "Mackenzie Valley Transportation Corridor, Granular Resources Databases, Northwest Territories, Canada, 0101-11085, December, 1992" is the most recent update for the Mackenzie Valley report catalogue databases. EBA's report "Canadian Beaufort Sea, Geotechnical and Geophysical Databases, 0101-11085, February, 1993" is the most recent update for the Beaufort Sea report catalogue. Those reports should be referred to for details of the original databases and provide background information for the new Tuktoyaktuk report catalogue described here.

The final report catalogue comprises 45 report entries. Of these, 29 reports contain onshore boreholes within or near the community of Tuktoyaktuk, are related to access and borrow offshore in Tuktoyaktuk Harbour or Channel, or were prepared for offshore projects along the Tuktoyaktuk Peninsula. The remaining reports discuss onshore granular resources within a 60 km radius of Tuktoyaktuk.

Table 1 presents a summary of abbreviations used for contractor's names which appear in the report catalogue database. Table 2 lists abbreviations used for area names, and Table 3 shows abbreviations used for sample types. Appendix A presents a summary listing of the report catalogue entries and a printout of each entry. These can be printed using the program R&R XBase Version 2.0 for Windows, library "tukcat.rp5", reports "CATSUMMARY" AND "TUKTOYAKTUK", respectively.

2.3 EXTRACTION AND COMPILATION OF DATA FOR BOREHOLE DATABASES

Several borehole databases were compiled, mostly comprising boreholes extracted from previously existing databases. A 60 km radius from Tuktoyaktuk was used to extract the boreholes, except where GSC had indicated an interest in boreholes beyond that distance along the Tuktoyaktuk Peninsula. As well, boreholes at considerable distance offshore were omitted.

The borehole databases were extracted from a database for the Inuvialuit Lands Agreement area ("INAC" database), containing 224 boreholes, a database for the Mackenzie Valley ("MACKENZI" database), containing 244 boreholes, and a database for the Beaufort Sea ("BEAU93AL" database), containing 109 boreholes. As well, 10 new boreholes were compiled from two recent geotechnical evaluations in Tuktoyaktuk, one for a new Northwestel tower (EBA, 1992) and one for the Inuvialuit Interpretation Centre (Thurber, 1992).

The borehole databases have been maintained as separate databases due to the differences in format. In particular, the Beaufort Sea borehole databases are run by the "Standard" ESEBase program, while the onshore borehole databases are run by the "Mackenzie" ESEBase program. The new boreholes are also in the "Mackenzie" ESEBase format. The other primary difference is that the "MACKENZI" database was compiled using the Imperial measurement system, whereas the "INAC", Beaufort Sea and new databases were compiled using the Metric measurement system. To convert all of the boreholes to a consistent format was beyond the scope of the present assignment. However, some errors in the original conversion of the "INAC" database to Metric were observed, and the boreholes extracted for the Tuktoyaktuk databases were corrected. As well, duplicate borehole logs between boreholes extracted from the "INAC" and "MACKENZI" databases were deleted, preserving the logs obtained from "MACKENZI".

The "INAC" and Beaufort Sea databases were originally compiled by EBA for INAC in 1987 and 1988, respectively, with additions made to the Beaufort Sea databases for INAC in subsequent years and as recently as 1993. The Mackenzie Valley borehole database was initially compiled into ESEBase by EBA from GSC's Open File Report No. 350 in 1990, and modified by EBA in 1993. EBA's reports "Canadian Beaufort Sea, Geotechnical and Geophysical Databases, 0101-11085, February, 1993" and "Corrections and Additions to ESEBase Mackenzie Valley Geotechnical Databases, Phases I and II, 0101-11148, March, 1993", provide information on the most recent updates of the borehole databases. As well, EBA's report "Inuvialuit Settlement Sand and Gravel Inventory and Recommendations for Development, Tuktoyaktuk, April, 1987" provides background information for the "INAC" borehole database.

The boreholes extracted from the Beaufort Sea database and the new boreholes are linked by the study number to the report catalogue. The boreholes extracted from the "INAC" database are not yet linked by study number to the report catalogue, but UTM grid locations can be used as links between the databases. The boreholes extracted from "MACKENZI" have been given study numbers, but the reports from which they were derived were not available for the report catalogue.

Tables 1 through 3 provide information on abbreviations used in the borehole databases. Appendix B presents a sample borehole log and USC descriptions. ESEBase has built-in log printing facility.

3.0 DATABASE PRESENTATION

The Tuktoyaktuk report catalogue and borehole databases are presented on two 3.5" floppy diskettes, attached in Appendix C of this report. Instructions for installing the databases onto a computer hard drive are included with the diskettes.

The diskette copy includes the "TUK94IN" report catalogue database and R&R XBase library "tukcat.rp5". These will be restored to directory "tuktoyak". Also included are the borehole databases: "TUK94INC" (extracted from "INAC"), "TUK94MAC" (extracted from "MACKENZI"), "TUK94NEW" and "TUK94BFT" (extracted from "BEAU93AL"). The first three databases listed are in "Mackenzie" ESEBase format and will be restored under directory name "ESEBASE". Since the "TUK94BFT" boreholes are in "Standard" ESEBase format, it will be restored under directory name "ESEBEAU" with the standard ESEBase program, instead of in "ESEBASE". This will allow both versions of ESEBase to exist simultaneously on the same hard drive.

4.0 RECOMMENDATIONS FOR FURTHER WORK

Some recommendations for further work specific to the "MACKENZI" borehole database were provided in EBA's 1993 report to GSC. These recommendations also apply to the new Tuktoyaktuk borehole databases and the extracted Beaufort Sea borehole logs. As well, we have observed that the "INAC" database produced in 1987 referenced "SPONSOR", "CONTRACTOR", and "PROJECT NUMBER" to the database project, rather than the original projects. This should be corrected. As well, not all boreholes in the databases are named according to the convention established in earlier database projects. These could be changed in a future update of the databases.

June, 1994

In future, the "TUK94BFT" database could be converted to "Mackenzie" ESEBase format, and the "TUK94INC" database could be converted to the Metric measurement system. Then, all of the databases could be combined if desired. However, there are some advantages to keeping databases separate, for example, to separate onshore and offshore boreholes.

The "Mackenzi" database format may need some additional testing and/or debugging to ensure that when logs are copied to new databases using search scopes that all data copies to the new database.

BIBLIOGRAPHY OF RELATED DATABASE PROJECTS

Canadian Beaufort Sea, Geotechnical and Geophysical Databases, prepared by EBA for INAC, 0101-11085, February, 1993

Corrections and Additions to ESEBase Mackenzie Valley Geotechnical Databases, Phases I and II, prepared by EBA for GSC, 0101-11148, March, 1993

Inuvialuit Settlement Sand and Gravel Inventory and Recommendations for Development, Tuktoyaktuk, prepared by EBA for INAC, 0101-4575, April, 1987

Mackenzie Valley Transportation Corridor, Granular Resources Databases, Northwest Territories, Canada, prepared by EBA for INAC, 0101-11085, December, 1992

BIBLIOGRAPHY OF PROJECTS WITH BOREHOLES ADDED TO "TUK94NEW" DATABASE

Geotechnical Engineering Report, NorthwesTel's Multi-Departmental Mobile Radio and Digital Microwave Project, Phases I and III, Dempster Highway, Yukon/NWT, prepared for NorthwesTel Inc. by EBA, 0201-10705, January, 1992.

Proposed Inuvialuit Interpretation Centre, Tuktoyaktuk, NT, Geotechnical Investigation, prepared for Government of Northwest Territories, Department of Public Works by Thurber Engineering Ltd., 15-22-166, March, 1992.

TABLES

TABLE 1
CONTRACTOR NAMES AND ABBREVIATIONS

CONTRACTOR NAME	ABBREVIATION
BBT Geotechnical Consultants and GVM Geological Consultants Ltd.	BBT
EBA Engineering Consultants Ltd.	EBA
E.W. Brooker and Associates Ltd.	EWB
Geocon Inc.	GEO
Hardy Associates (1978) Ltd.	HAL
Hardy BBT Ltd.	HBT
Ripley, Klohn and Leonoff International Ltd.	RKL
R.M. Hardy & Associates Ltd.	RMH
Thurber Consultants Ltd.	TCL
Thurber Engineering Ltd.	TEL

TABLE 2
GEOGRAPHIC REGIONS OR LOCAL NAMES AND ABBREVIATIONS

GEOGRAPHIC OR LOCAL NAME	ABBREVIATION
McKinley Bay	MC
Mackenzie River	MR
Tuktoyaktuk Channel	TC
Tuktoyaktuk Harbour	TH
Tuktoyaktuk	TK
Tuktoyaktuk Peninsula	TP

TABLE 3
SAMPLE TYPES AND ABBREVIATIONS

SAMPLE TYPE	ABBREVIATION
Grab or Disturbed Sample (Cuttings)	Grab, G, GS, SH, DIST, (5)
Thin-Wall Tube	TWT, TT
Shelby Tube	T, TT, (2)
Heavy-Wall Tube	HWT, HT
Split-Spoon	SS, (1)
Sampled borehole	S
Core	C, (3)
Gravity Core	GC
Liner	L
Piston Sample/Core	PIST, PC
Vibrocore	VIB
Drop Core	DC
No Recovery	NR
(Unspecified)	(4)
(Hammer)	(6)

Note: Sample types and abbreviations shown are as used in the original report catalogues for Beaufort Sea and Mackenzie Valley work for INAC. Items in brackets are sample types and abbreviations as used for the previous Mackenzie Valley borehole database work for GSC.

APPENDIX A

REPORT CATALOGUE SUMMARY LIST AND ENTRIES

TUKTOYAKTUK REPORT CATALOGUE SUMMARY

STUDY_NO	YEAR	MONTH	SPONSOR	CO_JOB_NO	REPORT TITLE	STUDY SIZE
RKL72TK	1972	9	DIAND		COMMUNITY GRANULAR RESOURCES INVENTORY, TUKTOYAKTUK, NWT (STAGE 2), 1973	16 SOURCES, 15 TPS 24 BHS FROM OTHER DATA
RKL72TP	1972	9	DIAND		GRANULAR MATERIALS INVENTORY, ZONE 1, STAGE 2, 1973	8TP
EWB73TK1	1973	1	IMPERIAL OIL LTD.	101-0559 (E-559)	GEOTECHNICAL EVALUATION OF PROPOSED TANK FARM SITES AT BAR C AND TUKTOYAKTUK, N.W.T., FEBRUARY, 1973	7BH
EWB73TK2	1973	4	IMPERIAL OIL LTD.	E-604	EVALUATION OF OFFSHORE BORROW RESOURCES AND INVESTIGATION OF A PROPOSED AIRSTRIP SITE, JUNE, 1973	3 BORROW/55 BHs, 1 AIRSTRIP/24 BHs
EWB73TK3	1973	7	NORTHERN TRANSPORTATION COMPANY LTD.	101-0659 (E-659)	GEOTECHNICAL EVALUATION, TERN BAY WHARF, TUKTOYAKTUK, N.W.T., SEPTEMBER, 1973	18BH
PWC74TK	1974	9	PUBLIC WORKS CANADA - WESTERN REGION	085099	SHORE EROSION AND PROTECTION STUDY - STAGE 2, TUKTOYAKTUK, N.W.T., VOLUME II - FIELD INVESTIGATIONS (DID NOT SEE ENTIRE REPORT)	11BH
EBA76MR	1976	1	DIAND	1-1318	DETAILED GEOTECHNICAL EVALUATION OF POTENTIAL SOURCES OF GRANULAR MATERIAL, MACKENZIE DELTA AREA, MARCH, 1976	185BH
EBA76TH	1976	4	ESSO RESOURCES CANADA LTD. (IOL)	11-2169	DOCK FACILITY AT TUKTOYAKTUK HARBOUR, JULY, 1978	9BH (FROM 1976 BEAUFORT SEA DRILLING PGM)
EBA76TK	1976	7	CANADIAN BROADCASTING CORPORATION	101-1317	GEOTECHNICAL EVALUATION FOR CBC TOWER, TUKTOYAKTUK, NORTHWEST TERRITORIES, EBA JOB NO. 1-1317	3BH
RMH77TK1	1977	7	DIAND	K3912	GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK, NORTHWEST TERRITORIES, AUGUST 1977	61TP, 11EXP
RMH77TK2	1977	10	DIAND	K3997	PRELIMINARY REPORT, 1977 GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK, N.W.T., PHASE II - GEOPHYSICAL DATA ACQUISITION	18 LINES: 18.3 MILES PARALLEL, 9.9 TIEIN
RMH77TK3	1977	10	DIAND	CG14096	GEOPHYSICAL EVALUATION OF GRANULAR MATERIAL RESOURCES, TUKTOYAKTUK HARBOUR, NORTHWEST TERRITORIES, MARCH, 1978	18 LINES: 18.3 MILES PARALLEL, 9.9 TIEIN
HAL79TH	1979	2	DIAND	K4553	GRANULAR MATERIALS INVENTORY, PHASE III, TUKTOYAKTUK HARBOUR, NORTHWEST TERRITORIES	33BH
EBA79TH	1979	7	AMOCO CANADA PETROLEUM COMPANY LTD. (CANMAR)	0302-0610	GEOTECHNICAL DESIGN PARAMETERS FOR PROPOSED CANMAR BASE CAMP DOCK IN TUKTOYAKTUK HARBOUR, NWT	3 BHs
EBA79TC	1979	8	AMOCO CANADA PETROLEUM CO LTD. (DOME)	101-2622.3	TUKTOYAKTUK HARBOUR APPROACH STUDY, TUKTOYAKTUK CHANNEL	10 BHs
HAL80TK	1980	1	DIAND	B4821	GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK, NORTHWEST TERRITORIES, SOURCES 160 AND 161, MARCH 1980, PROJECT B4821	42BH

<u>STUDY_NO</u>	<u>YEAR</u>	<u>MONTH</u>	<u>SPONSOR</u>	<u>CO_JOB_NO</u>	<u>REPORT TITLE</u>	<u>STUDY SIZE</u>
EBA80MC	1980	4	AMOCO CANADA PETROLEUM CO LTD. (DOME,CANMAR)	101- 2806.1	GEOTECHNICAL EVALUATION FOR DREDGING PROGRAM AT MCKINLEY BAY, NWT	15 BHs
EBA80TH2	1980	4	CANADIAN MARINE DRILLING LTD.	101- 2806.2	TUKTOYAKTUK HARBOUR APPROACH STUDY - PHASE II, OCTOBER, 1980	6BH(1980) 8BH,1CH(1979)
EBA80TH1	1980	8	DOME PETROLEUM LTD.	101-2995	GEOTECHNICAL EVALUATION, NEW DOCK STRUCTURE, TUK BASE, TUKTOYAKTUK, NWT, JANUARY, 1981	5 NEW BH,27DYNAMIC CONE,(5 PREVIOUS BH)
EBA80TK	1980	9	DOME PETROLEUM LTD.	101-2996	GEOTECHNICAL EVALUATION, PROPOSED HANGAR BUILDING, TUKTOYAKTUK AIRPORT, TUKTOYAKTUK, N.W.T.	5BH
EBA81MC	1981	3	DOME PETROLEUM LTD.	101-3156	GEOTECHNICAL EVALUATION OF PROPOSED CAMP FACILITIES AND MARINE WHARF AT NORTH PROTECTION ISLAND, MCKINLEY BAY, NOVEMBER, 1981	10BH,2CH
TCL81TK	1981	3	EPEC CONSULTING WESTERN LTD. (FOR GNWT-DPW)	15-22-16	TUKTOYAKTUK WATER RESERVOIR, GEOTECHNICAL REPORT NO.1, BORROW SOURCE AND SITE INVESTIGATIONS	31BH, 14 SHALLOW PROBE HOLES,23 BH (HBT)
EBA81TH	1981	5	ESSO RESOURCES CANADA LTD.	101-3234	PRELIMINARY EVALUATION OF OFFSHORE BORROW RESOURCES, TUKTOYAKTUK HARBOUR, MAY 26, 1981	5CH(1981),7BH(1973), 1CH(1978)
EBA82TK	1982	1	NORTHERN TRANSPORTATION COMPANY LTD.	101-3532	SITE INVESTIGATION FOR A CAMP FACILITY AT TUKTOYAKTUK, JUNE, 1982	10BH
TCL82TK1	1982	2	GOVERNMENT OF NWT/EPEC CONSULTING WESTERN LTD.	15-22-24	TUKTOYAKTUK SOLID WASTE DISPOSAL, PRELIMINARY GEOTECHNICAL INVESTIGATION, MAY 12, 1982	9BH SAND, 8BH BORROW, 4BH FOUNDATION
TCL82TK2	1982	2	GOVERNMENT OF NWT/EPEC CONSULTING WESTERN LTD.	15-22-24	TUKTOYAKTUK WATER RESERVOIR, GEOTECHNICAL REPORT NO.2, TRUCK FILL STATION AND LINER COVER MATERIAL, APRIL 29, 1982	9BH SAND BORROW, 2BH FOUNDATION
TCL82TK3	1982	2	GOVERNMENT OF NWT/EPEC CONSULTING WESTERN LTD.	15-22-24	TUKTOYAKTUK SEWAGE LAGOON AND ACCESS ROAD, GEOTECHNICAL INVESTIGATION, MAY 3, 1982 (HAVE NOT SEEN FULL REPORT)	9BH SAND BORROW, 8BH ACCESS, 7BH FOUNDTN
BBT83TK	1983	3	DIAND	A83-613	GRANULAR MATERIALS EVALUATION, DEPOSITS 168 & 211, TUKTOYAKTUK AREA, N.W.T., MAY 1983	17BH
EBA83TK	1983	12	INDIAN AND NORTHERN AFFAIRS CANADA	0101-3760	GRANULAR RESOURCE DEVELOPMENT AND MANAGEMENT PLAN, TUKTOYAKTUK, DECEMBER, 1983	N/A
GE085TK	1985	2	GOV'T OF NWT - DPW&H, ARCHITECTURAL DIVISION	40826-2	GEOTECHNICAL INVESTIGATION, TUKTOYAKTUK ARENA, MARCH, 1985	5BH
HBT89TK	1985	9	GOVERNMENT OF NORTHWEST TERRITORIES - DPW	YX00112	SOURCE 155 NORTH - DEVELOPMENT PLAN, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., SEPTEMBER, 1989	N/A
GE085TK	1985	11	GOVERNMENT OF THE NORTHWEST TERRITORIES	A1520/409 87	REPORT ON PROPOSED RENEWABLE RESOURCES GARAGE, SOIL CONDITIONS AND FOUNDATION, TUKTOYAKTUK, N.W.T.	2BH
EBA86TP	1985	12	ESSO RESOURCES CANADA LTD.	0101B- 4446	GEOTECHNICAL EVALUATION OF DRILLING AND GEOPHYSICAL DATA, ESSO, PCI, HOME ET AL., TUKTOYAKTUK G-39 WELL, JULY 17, 1986	2 CH (ONLY G-39 WAS SUCCESSFULLY LOGGED)

<u>STUDY_NO</u>	<u>YEAR</u>	<u>MONTH</u>	<u>SPONSOR</u>	<u>CO_JOB_NO</u>	<u>REPORT TITLE</u>	<u>STUDY SIZE</u>
EBA86TK	1986	4	VOLKER STEVIN DREDGING, B.V.	101C-4504	GEOTECHNICAL INVESTIGATION, SHORELINE PROTECTION, TUKTOYAKTUK, APRIL, 1986	5BH
HAL86TK	1986	7	GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS	CG14096	INTERIM REPORT - PHASE I, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., PROJECT 86- 9128A, JULY, 1986	N/A
HBT86TK	1986	9	GOVERNMENT OF NORTHWEST TERRITORIES - DOT	CG14096	INTERIM REPORT - PHASE II, FIELD RECONNAISSANCE, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, NWT, PROJECT 89-9128A	38TP
HBT87TK1	1987	3	GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS	CG14096	INTERIM REPORT - PHASE III, WINTER DRILLING PROGRAM, DEPOSIT 155, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., JUNE, 1987	70BH (48 NORTH AND 22 SOUTH)
EBA87TK	1987	4	INDIAN AND NORTHERN AFFAIRS CANADA	0101-4575	INUVALUIT SETTLEMENT SAND AND GRAVEL INVENTORY AND RECOMMENDATIONS FOR DEVELOPMENT, TUKTOYAKTUK, APRIL, 1987	545BH
HBT87TK2	1987	5	GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS	CG14096	PHASE III, FINAL COMPARISON OF POTENTIAL SOURCES, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., MAY, 1987	N/A
TCL88TK	1988	3	GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS	15-22-91	PROPOSED NEW SCHOOL, TUKTOYAKTUK, N.W.T., GEOTECHNICAL INVESTIGATION, APRIL, 1988	4BH
HBT88TK	1988	6	GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS	CG14096	DRAFT REPORT - PHASE IV, SOURCE 155 NORTH - DEVELOPMENT PLAN, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., JUNE, 1988	48BH (DRILLED HBT87TK)
EBA88TK	1988	9	BEAUDRIL (1987) LTD., NALLUK BASE, TUKTOYAKTUK	0101-4919	PROPOSED TAXIWAY AND APRON, TUKTOYAKTUK, N.W.T., OCTOBER, 1988	11BH, 1TP
TCL89TK	1989	6	GOVERNMENT OF NORTHWEST TERRITORIES - DPW	15-22-91	INSPECTION OF PILE INSTALLATIONS, NEW SCHOOL BUILDING, TUKTOYAKTUK, N.W.T.	168 PILE HOLES
EBA91TK	1991	8	NORTHWESTEL INC.	0201- 10705	GEOTECHNICAL ENGINEERING REPORT, NORTHWESTEL'S MULTI-DEPARTMENTAL MOBILE RADIO AND DIGITAL MICROWAVE PROJECT, PHASES I AND III, DEMPSTER HIGHWAY, YUKON/NWT, JANUARY, 1992	4BH
TEL92TK	1992	2	GOVERNMENT OF NORTHWEST TERRITORIES - DPW	15-22-166	PROPOSED INUVALUIT INTERPRETATION CENTRE, TUKTOYAKTUK, NT, GEOTECHNICAL INVESTIGATION	6BH
EBA93MV	1993	3	GEOLOGICAL SURVEY OF CANADA	0101- 11148	CORRECTIONS AND ADDITIONS TO ESEBASE, MACKENZIE VALLEY GEOTECHNICAL DATABASES, PHASES I AND II, MARCH, 1993	11447 BH
TEL94TK	1994	3	PUBLIC WORKS CANADA	16-4-93	ADFEEZE PIPE PILE RECORDS FOR TUKTOYAKTUK RCMP DETACHMENT BUILDING AND GARAGE	11 PILE HOLES

Records printed: 47

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: RKL72TK

MONTH: 9

YEAR: 1972

SPONSOR : DIAND

JOB NO : TB714562

CONTRACTOR : KLOHN LEONOFF LTD. (RIPLEY, KLOHN & LEONOFF INTERNATIONAL LTD.)

JOB NO : CONTACT: BILL CHIN

REPORT TITLE: COMMUNITY GRANULAR RESOURCES INVENTORY, TUKTOYAKTUK, NWT (STAGE 2), 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	580000	586250	592500
NORTHING:	7699000	7709750	7720500
OR: LATITUDE:	69.38997	69.48436	69.57859
LONGITUDE:	132.96335	132.79452	132.62420

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: MAP 1.T-113.T-114 MAP
SCALE : 1:125000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

SOURCE MAPS

N/A
1:N/A
N/A
N/A
N/A

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

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: 16 SITES

LEVEL: COMPILE EXISTING DATA:GSC.PIPELINE ROUTE STUDIES.OTHER RKL.FIELD RECON.SURFACE

SAMPLES.HAND-DUG TPS

SIZE : 16 SOURCES.15 TPS;24 BHS FROM OTHER DATA

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: FALL (SEPTEMBER 1972?)

EQUIPMENT : HAND TOOLS

PENETRATION: 1.3M AVG TPS.4.5-8.4-9.1M BHS(T-115)

RESOLUTION : GOOD

PROGRAM LENGTH: 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 : SOIL STRATIGRAPHY & PROPERTIES.GRAIN SIZE.QUALITY/QUANTITY OF BORROW

REPORT : FORMAL BORROW.SUMMARY TABLES

DISTRIB: SPONSOR/CONTRACTOR

OTHER : EBA73TK2.RKL72TP

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 91/03/19

COMPILATION PROJECT NO.: 0306-34693

UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: RKL72TP

MONTH: 9

YEAR: 1972

SPONSOR : DIAND

JOB NO : TB714562

CONTRACTOR : KLOHN LEONOFF LTD. (RIPLEY, KLOHN & LEONOFF INTERNATIONAL LTD.)

JOB NO : CONTACT: BILL CHIN

REPORT TITLE: GRANULAR MATERIALS INVENTORY, ZONE 1, STAGE 2, 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	9	9
EASTING:	550000	403700	490000
NORTHING:	7690000	7745000	7800000
OR: LATITUDE:	69.31655	69.79896	70.30738
LONGITUDE:	133.73154	131.49872	129.26589

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK PENINSULA (ZONE 1)
NUMBER: 1
SCALE : 1:
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK PENINSULA - UPPER AND LOWER
2.3
1:250000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): 150,151,152,153,154,155
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL
SCOPE: 6 SITES
LEVEL: RECONNAISSANCE
SIZE : 8TP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL (SEPTEMBER 1972?)
EQUIPMENT : HAND TOOLS
PENETRATION: 0.6-0.9-2.4M
RESOLUTION : GOOD

PROGRAM LENGTH: N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1 PER TP
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 8 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, DEVELOPMENT
REPORT : FORMAL BORROW REPORT (PRELIMINARY)
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA73TK2.RKL72TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR
DATA : CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/25 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EWB73TK1

MONTH: 1

YEAR: 1973

SPONSOR : IMPERIAL OIL LTD.

JOB NO :

CONTACT: JEFF WEAVER (ESSO)

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD. (E.W. BROOKER & ASSOCIATES LTD.)

JOB NO : 101-0559 (E-559)

CONTACT: D.W. HAYLEY

REPORT TITLE: GEOTECHNICAL EVALUATION OF PROPOSED TANK FARM SITES AT BAR C AND TUKTOYAKTUK, N.W.T., FEBRUARY, 19

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	579820	579885	579950
NORTHING:	7703200	7703310	7703420
OR: LATITUDE:	69.42766	69.42863	69.42960
LONGITUDE:	132.96438	132.96263	132.96088

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: A-8
SCALE : 1:1000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK IMPERIAL OIL TANK FARM
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: STRATIGRAPHY, SOIL PROPERTIES
SIZE : 7BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : TEXOMA 600 AUGER DRILL (?)
PENETRATION: 1.4-3.1-5.5M
RESOLUTION : GOOD

PROGRAM LENGTH: 2 DAYS (JAN 15-16)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.3-1.4M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 48 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, SOIL PROPERTIES
REPORT : FORMAL GEOTECHNICAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)
DATA : CONTRACTOR (EBA - EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 92/03/16
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27

COMPILATION PROJECT NO.: 0101-10902
UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EWB73TK2

MONTH: 4

YEAR: 1973

SPONSOR : IMPERIAL OIL LTD.

JOB NO : 13597179

CONTACT: J.J.A.DEJONG

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD. (E.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 SITE, JUNE, 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577250	580375	583500
NORTHING:	7701000	7703375	7705750
OR: LATITUDE:	69.40870	69.42907	69.44939
LONGITUDE:	133.03167	132.95009	132.86834

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK

NUMBER: A-1

SCALE : 1:24000

FORMAT: PAPER

ARCHIV: IN REPORT

DIG NO: N/A

AIRSTRIP "C"

A-2

1:5000

PAPER

IN REPORT

N/A

SOURCE NUMBER(S): I, II, III

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

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

EQUIPMENT : MAYHEW 1000 ROTARY

PENETRATION: 28M, 18M

RESOLUTION : GOOD

PROGRAM LENGTH: 12 DAYS (APR 13 TO 24, 1973)

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 : RKL72TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 92/03/14

COMPILATION PROJECT NO.: 0101-10902

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EWB73TK3

MONTH: 7

YEAR: 1973

SPONSOR : NORTHERN TRANSPORTATION COMPANY LTD.

JOB NO : CONTACT:

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD. (E.W. BROOKER & ASSOCIATES LTD.)

JOB NO : 101-0659 (E-659) CONTACT: D.W. HAYLEY

REPORT TITLE: GEOTECHNICAL EVALUATION, TERN BAY WHARF, TUKTOYAKTUK, N.W.T., SEPTEMBER, 1973

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577950	578150	578350
NORTHING:	7702300	7702400	7702500
OR: LATITUDE:	69.42015	69.42099	69.42182
LONGITUDE:	133.01278	133.00760	133.00242

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: A-1
SCALE : 1:2400
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK - TERN BAY WHARF
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 2 AREAS
LEVEL: STRATIGRAPHY, SOIL PROPERTIES
SIZE : 18BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER
EQUIPMENT : TEXOMA AUGER DRILL (?)
PENETRATION: 1.1-4.4-8.2M
RESOLUTION : GOOD

PROGRAM LENGTH: 4 DAYS (JULY 24-27)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.3 TO 0.6M TO SELECTED AT DEPTH
QUALITY: GOOD
TYPE : DISTURBED?
SIZE : 92 DIST?

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)
DATA : CONTRACTOR (EBA - EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 93/02/06 COMPILATION PROJECT NO.: 0101-11085
UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: PWC74TK

MONTH: 9

YEAR: 1974

SPONSOR : PUBLIC WORKS CANADA - WESTERN REGION

JOB NO : 085099

CONTACT: ED POHRANYCHNY

CONTRACTOR : PUBLIC WORKS CANADA - WESTERN REGION

JOB NO : 085099

CONTACT: ED POHRANYCHNY

REPORT TITLE: SHORE EROSION AND PROTECTION STUDY - STAGE 2, TUKTOYAKTUK, N.W.T., VOLUME II - FIELD INVESTIGATIONS REPORT)

COORDINATES :

UTM: ZONE:	MINIMUM	CENTRE	MAXIMUM
EASTING:	8	8	8
NORTHING:	575000	577500	580000
OR: LATITUDE:	7702500	7705000	7707500
LONGITUDE:	69.42278	69.44448	69.46615
	133.08777	133.02202	132.95613

LOCATION:

GENERAL LOCATION

NAME :
NUMBER: TUKTOYAKTUK
SCALE : FIGURE 3
FORMAT:
ARCHIV: PAPER
DIG NO: IN REPORT
N/A

SITE PLAN

TUKTOYAKTUK
FIGURE 11, 12
1:
PAPER
IN REPORT
N/A

SOURCE NUMBER(S):
NEW SOURCE NUMBER(S)/A

N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: LARGE AREA
LEVEL: STRATIGRAPHY
SIZE : 11BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL
EQUIPMENT : HELIPORTABLE DRILL
PENETRATION: 5.3-6.9-9.1M
RESOLUTION : GOOD

PROGRAM LENGTH:

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6-1.2M TO SELECTED
QUALITY: UNKNOWN
TYPE : UNKNOWN
SIZE : 41

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY
REPORT : FIELD INVESTIGATION REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA86TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (PUBLIC WORKS CANADA), POSSIBLY EBA EDMONTON?
DATA : CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD
DATE : 94/05/31
UPDATED BY :
DATE :
COMPILATION PROJECT NO.: 0701-11424
UPDATE PROJECT NO.:

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA76MR

MONTH: 1

YEAR: 1976

SPONSOR : DIAND

JOB NO : OSU50237

CONTACT: R.J. GOWAN

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 1-1318

CONTACT: D.W. HAYLEY

REPORT TITLE: DETAILED GEOTECHNICAL EVALUATION OF POTENTIAL SOURCES OF GRANULAR MATERIAL, MACKENZIE DELTA AREA.

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	515000	522500	530000
NORTHING:	7629000	7648000	7667000
OR: LATITUDE:	68.77375	68.94363	69.11329
LONGITUDE:	134.62877	134.43887	134.24603

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : EAST CHANNEL MACKENZIE RIVER
NUMBER: FIGURE 1
SCALE : 1:1000000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

SWIMMING POINT, LUCAS POINT, DEVIL'S LK
1318-B-1, 1318-B-2, 1318-B-3, 1318-B4
1:125000 FOR B-1, 1:41670 FOR B-2/B-3/B-4
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): 222,303,326
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: THREE SITES
LEVEL: STRATIGRAPHY, SOIL PROPERTIES, SURVEY DATA
SIZE : 185BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : MAYHEW 200 HELI-DRILL WITH COMPRESSED AIR AND DRILLING MUD CAPABILITY, NODWELL FN-60,VTM-3 CORE BARR
PENETRATION: 0.9-9.6-17.4M
RESOLUTION : GOOD

PROGRAM LENGTH: 19 DAYS (JAN 19 - FEB 6)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.75-3.5M.SOME CONTINUOUS CORE
QUALITY: GOOD FOR CORE, FAIR TO POOR FOR DISTURBED WALMAC SAMPLES
TYPE : CORE, DISTURBED
SIZE : 96 CORE, 482 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : MATERIAL TYPES AND VOLUMES, DEVELOPMENT, SUITABILITY FOR CONCRETE AND FILL
REPORT : FORMAL BORROW EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON, BOX 81)
DATA : CONTRACTOR (EBA-EDMONTON, BOX 81)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/13 COMPILATION PROJECT NO.: 0306-34693
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: EBA76TH

MONTH: 4

YEAR: 1976

SPONSOR : ESSO RESOURCES CANADA LTD. (IOL)

JOB NO : N/A

CONTACT: JEFF WEAVER, PHD

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 11-2169

CONTACT: NEIL MACLEOD

REPORT TITLE: DOCK FACILITY AT TUKTOYAKTUK HARBOUR, JULY, 1978

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	580080	580129	580177
NORTHING:	7702708	7702747	7702785
OR: LATITUDE:	69.42318	69.42351	69.42384
LONGITUDE:	132.95817	132.95689	132.95563

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK HARBOUR

NUMBER: SEE EBA81TH FIG 1

SCALE : 1:7700

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO: N/A

TUKTOYAKTUK IOL BASE CAMP DOCK

DWG NO 3

1:363

PAPER COPY

IN REPORT

N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ONE SITE

LEVEL: DELINEATION, STRATIGRAPHY

SIZE : 9BH (FROM 1976 BEAUFORT SEA DRILLING PGM)

SURVEY PATTERN: GRID

SURVEY SPACING: 16M

SEASON: WINTER

EQUIPMENT : IOL BECKER HAMMER DRILL

PENETRATION: 10.1-12.5M

RESOLUTION : POOR

PROGRAM LENGTH: 3 DAYS

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 2.4M

QUALITY: POOR

TYPE : GRAB

SIZE : 22 GRAB

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY

REPORT : FORMAL GEOTECHNICAL REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : EBA81TH (FOR SITE LOCATION)

ARCHIVING OF INFORMATION:

REPORT : CONTRACTOR EBA EDMONTON 14535 - 118 AVENUE

DATA : CONTRACTOR EBA EDMONTON (14535 - 118 AVENUE)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 93/02/06

COMPILATION PROJECT NO.: 0101-11085

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA76TK

MONTH: 7

YEAR: 1976

SPONSOR : CANADIAN BROADCASTING CORPORATION

JOB NO : CONTACT: A. ELSHAFEI

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-1317 CONTACT: D.W. HAYLEY

REPORT TITLE: GEOTECHNICAL EVALUATION FOR CBC TOWER, TUKTOYAKTUK, NORTHWEST TERRITORIES, EBA JOB NO. 1-1317

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	573250	573350	573450
NORTHING:	7704650	7704735	7704820
OR: LATITUDE:	69.44254	69.44327	69.44401
LONGITUDE:	133.13068	133.12807	133.12545

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: 1317-A-1
SCALE : 1:1500
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK NEW TOWER LOCATION
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: STRATIGRAPHY, SOIL PROPERTIES
SIZE : 3BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR - 42-56M
SEASON: SUMMER
EQUIPMENT : TEXOMA AUGER DRILL
PENETRATION: 4.6-6.1-9.1M
RESOLUTION : GOOD

PROGRAM LENGTH: 1 DAY (JULY 13)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.0-1.8M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 20 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY
REPORT : DATA REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA ENGINEERING CONSULTANTS LTD. - EDMONTON)
DATA : CONTRACTOR (EBA - EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/04/24 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: RMH77TK1

MONTH: 7

YEAR: 1977

SPONSOR : DIAND

JOB NO : SSC OSU77-00133

CONTACT: R.J. GOWAN

CONTRACTOR : HBT AGRA LTD. (R.M. HARDY & ASSOCIATES LTD.)

JOB NO : K3912

CONTACT: ALAN HANNA

REPORT TITLE: GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK, NORTHWEST TERRITORIES, AUGUST 1977

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	557000	584500	612000
NORTHING:	7658000	7693000	7728000
OR: LATITUDE:	69.02829	69.33482	69.63825
LONGITUDE:	133.57291	132.85424	132.11499

LOCATION: GENERAL LOCATION

SITE PLAN

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

VARIOUS
ACCORDING TO DEPOSIT NUMBER
1:57600 USUALLY
PAPER AIRPHOTO MOSAIC
IN REPORT
N/A

SOURCE NUMBER(S): 156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL, BORROW

SCOPE: 22 DEPOSITS

LEVEL: DELINEATION, STRATIGRAPHY

SIZE : 61TP, 11EXP

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: SUMMER

EQUIPMENT : HAND TOOLS IN UNFROZEN SOILS, WATERJETTING IN FROZEN SOILS

PENETRATION: 0.15-4.37-4.88M

RESOLUTION : GOOD

PROGRAM LENGTH: 6 DAYS (JULY 19-24)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : VARIOUS, SELECTED TPs

QUALITY: GOOD

TYPE : DISTURBED

SIZE : 50 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, MATERIAL PROPERTIES

REPORT : FORMAL BORROW STUDY

DISTRIB: SPONSOR/CONTRACTOR/GNWT-DPW (YELLOWKNIFE)

OTHER : RMH77TK2, RMH77TK3

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (HBT AGRA - CALGARY, GNWT-DPW LIBRARY - YELLOWKNIFE - BOX 530)

DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/04/24

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: RMH77TK2

MONTH: 10

YEAR: 1977

SPONSOR : DIAND

JOB NO : OSU77-00240

CONTACT: R.J. GOWAN

CONTRACTOR : HBT AGRA LTD. (R.M. HARDY & ASSOCIATES LTD.)

JOB NO : K3997

CONTACT: ALAN HANNA

REPORT TITLE: PRELIMINARY REPORT, 1977 GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK, N.W.T., PHASE II - GEOPHYSICAL I

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577000	582500	588000
NORTHING:	7702900	7704600	7706300
OR: LATITUDE:	69.42580	69.43940	69.45288
LONGITUDE:	133.03649	132.89486	132.75306

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: N/A
SCALE : 1:
FORMAT: N/A
ARCHIV: N/A
DIG NO: N/A

TUKTOYAKTUK HARBOUR
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: 1.2.3.5.7.9.11.12.13.14.15.17.19.21.23.25. 2 TIE-IN LINES INCLUDING AVELTKOK INLET

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOPHYSICAL
SCOPE: ENTIRE TUKTOYAKTUK HARBOUR
LEVEL: RECONNAISSANCE, MAPPING OF SUBBOTTOM FEATURES
SIZE : 18 LINES:18.3 MILES PARALLEL, 9.9 TIEIN
SURVEY PATTERN: LINES
SURVEY SPACING: NOT SHOWN
SEASON: FALL
EQUIPMENT : RATHEON RTT-1000A PROFILING SYSTEM, KELVIN HUGHES MS26B PROFILER, FURUNO FATHOMETER, MINI-RANGER III
PENETRATION: 7M MAXIMUM
RESOLUTION : NOT DISCUSSED

PROGRAM LENGTH: 5 DAYS (SEPT 29 - OCT 3)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 7KHZ,30KHZ,200KHZ,5400-5600MHZ
QUALITY: NO ANALYSIS DONE IN REPORT
TYPE : SOIL LAYER REFLECTION DATA, BATHYMETRIC DATA
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : NOT INTERPRETED IN THIS REPORT. MAP ONLY BY KENTING EXPLORATION SERVICES CO. LTD. (NOT IN REPORT)
REPORT : FIELD WORK REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : RMH77TK1.RMH77TK3

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY - BOX 529
DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/25 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: RMH77TK3

MONTH: 10

YEAR: 1977

SPONSOR : DIAND

JOB NO : OSU77-00240

CONTACT: R.J. GOWAN

CONTRACTOR : HBT AGRA LTD. (R.M. HARDY & ASSOCIATES LTD.)

JOB NO : CG14096

CONTACT: ALAN HANNA

REPORT TITLE: GEOPHYSICAL EVALUATION OF GRANULAR MATERIAL RESOURCES, TUKTOYAKTUK HARBOUR, NORTHWEST TERRITORY

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577000	582500	588000
NORTHING:	7702900	7704600	7706300
OR: LATITUDE:	69.42580	69.43940	69.45288
LONGITUDE:	133.03649	132.89486	132.75306

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK
NUMBER: MAP 1
SCALE : 1:10000
FORMAT: BLUELINE
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUKTOYAKTUK HARBOUR
MAP 2, MAP 3
1:10000
BLUELINE
IN REPORT
N/A

SOURCE NUMBER(S): 1,2,3,4,5,6

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: 1,2,3,4,7,9,11,12,13,14,15,17,19,21,23,25, 2 TIE-IN LINES INCLUDING AVELTKOK INLET

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOPHYSICAL
SCOPE: ENTIRE TUKTOYAKTUK HARBOUR
LEVEL: RECONNAISSANCE, MAPPING OF SUBBOTTOM FEATURES, INTERPRETATION
SIZE : 18 LINES:18.3 MILES PARALLEL, 9.9 TIEIN
SURVEY PATTERN: LINES
SURVEY SPACING: LINES 100-200M APART, SHOT POINTS ABOUT 90M APART
SEASON: FALL
EQUIPMENT : RATHEON RTT-1000A PROFILING SYSTEM, KELVIN HUGHES MS26B PROFILER, FURUNO FATHOMETER, MINI-RANGER III
PENETRATION: 7M MAXIMUM
RESOLUTION : GOOD
PROGRAM LENGTH: 5 DAYS (SEPT 29 - OCT 3)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 7KHZ,30KHZ,200KHZ,5400-5600MHZ
QUALITY: GOOD
TYPE : SOIL LAYER REFLECTION DATA, BATHYMETRIC DATA
SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : AREAS LIKELY TO FIND BORROW, TO BE CONFIRMED BY DRILLING
REPORT : FORMAL GEOPHYSICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : RMH77TK1,RMH77TK2

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY - BOX 529
DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/25
UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27
COMPILATION PROJECT NO.: 0701-11424
UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: HAL79TH

MONTH: 2

YEAR: 1979

SPONSOR : DIAND

JOB NO : 01SUC71118-0583

CONTRACTOR : HBT AGRA LTD. (HARDY ASSOCIATES (1978) LTD.)

JOB NO : K4553

CONTACT: ALAN HANNA

REPORT TITLE: GRANULAR MATERIALS INVENTORY, PHASE III, TUKTOYAKTUK HARBOUR, NORTHWEST TERRITORIES

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577200	578950	580700
NORTHING:	7703700	7705850	7708000
OR: LATITUDE:	69.43291	69.45167	69.47042
LONGITUDE:	133.03073	132.98432	132.93783

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK HARBOUR
NUMBER: 1
SCALE : 1:10000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK HARBOUR
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): A,B,C,D (IN HARBOUR)

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL, BORROW
SCOPE: 4 BORROW SOURCES
LEVEL: DELINEATION
SIZE : 33BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : MAYHEW 500 HELI-DRILL WITH MUD PUMP, 966C LOADER, SPT, SHELBY, PISTON SAMPLER
PENETRATION: 1.2-6.0-12.9M
RESOLUTION : GOOD

PROGRAM LENGTH: 6 DAYS (FEB 12-17)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 2-4M
QUALITY: GOOD
TYPE : DIST, SPT, SHELBY
SIZE : 5 CORE, 31 SPT, 10 SHELBY, 2 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CORRELATION TO EXISTING GEOPHYSICAL DATA, STRATIGRAPHY, SOIL PROPERTIES, VOLUMES, ENVIRONMENTAL IMPACTS
REPORT : FORMAL BORROW REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL80TK, TCL81TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW - YELLOWKNIFE - BOX 530
DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/04/24 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA79TH

MONTH: 7

YEAR: 1979

SPONSOR : AMOCO CANADA PETROLEUM COMPANY LTD. (CANMAR)

JOB NO : N/A

CONTACT: KEVIN HEWITT

CONTRACTOR : EBA (FOR ALBERTA, PULLERITS, DICKSON AND ASSOC. LTD.)

JOB NO : 0302-0610

CONTACT: NEIL MACLEOD

REPORT TITLE: GEOTECHNICAL DESIGN PARAMETERS FOR PROPOSED CANMAR BASE CAMP DOCK IN TUKTOYAKTUK HARBOUR, NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	578900	579050	579200
NORTHING:	7703200	7703350	7703500
OR: LATITUDE:	69.42794	69.42924	69.43054
LONGITUDE:	132.98782	132.98387	132.97992

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK HARBOUR
NUMBER: N/A
SCALE : 1:0
FORMAT: N/A
ARCHIV: N/A
DIG NO: N/A

TUKTOYAKTUK HARBOUR
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: PRELIMINARY EXPLORATION
SIZE : 3 BHs
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER
EQUIPMENT : N/A
PENETRATION: 5.2-35.1-55.22M (SAND, CLAY, SILT)
RESOLUTION : GOOD

PROGRAM LENGTH: 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 : SOIL STRATIGRAPHY
REPORT : N/A
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA 30-1469, 0301-34227, EBA80TH1, 101-2843.2, 101-2968 (10BHs)

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)
DATA : CONTRACTOR (EBA EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 91/03/19
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27

COMPILATION PROJECT NO.: 0306-34693
UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA79TC

MONTH: 8

YEAR: 1979

SPONSOR : AMOCO CANADA PETROLEUM CO LTD. (DOME)

JOB NO : N/A

CONTACT: KEVIN HEWITT

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-2622.3

CONTACT: KEVIN JONES

REPORT TITLE: TUKTOYAKTUK HARBOUR APPROACH STUDY, TUKTOYAKTUK CHANNEL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	569300	573800	578300
NORTHING:	7705790	7718170	7730550
OR: LATITUDE:	69.45381	69.56356	69.67322
LONGITUDE:	133.23058	133.10598	132.98008

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK CHANNEL
NUMBER: 1. DRAWING 2
SCALE : 1:150000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK CHANNEL
1. DRAWING 2
1:150000.15000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL DREDGING

SCOPE: 1 SITE

LEVEL: INTERPRETATION

SIZE : 10 BHs

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: SUMMER

EQUIPMENT : ALPINE VIBRA-CORE, FAILING 1500 ROTARY DRILL

PENETRATION: 2.9-5.8-22.6M

RESOLUTION : FAIR TO GOOD

PROGRAM LENGTH: N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.9-1.5M INTERVALS INTERMITTENT

QUALITY: DISTURBED - STRATIGRAPHY INTACT

TYPE : 90MM LINER, GRAB, THIN-WALLED TUBES

SIZE : 15 CORES, 60 GRAB, 22 TUBES

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION

REPORT : GEOTECHNICAL INTERPRETATION REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : EBA80TH2

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)

DATA : CONTRACTOR (EBA EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 88/03

COMPILATION PROJECT NO.: 0306-34413

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: HAL80TK

MONTH: 1

YEAR: 1980

SPONSOR : DIAND

JOB NO : 01SUC71119-0332

CONTACT: R.J. GOWAN

CONTRACTOR : HBT AGRA LTD. (HARDY ASSOCIATES (1978) LTD.)

JOB NO : B4821

CONTACT: ALAN HANNA

REPORT TITLE: GRANULAR MATERIALS INVENTORY, TUKTOYAKTUK, NORTHWEST TERRITORIES, SOURCES 160 AND 161, MARCH 1980

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	578625	582088	585550
NORTHING:	7700000	7703000	7706000
OR: LATITUDE:	69.39934	69.42519	69.45098
LONGITUDE:	132.99750	132.90676	132.81583

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK

SOURCES 160 AND 161

NUMBER: MAP 1

N/A

SCALE : 1:10000

1:N/A

FORMAT: PAPER (AIRPHOTO MOSAIC)

N/A

ARCHIV: IN REPORT

N/A

DIG NO: N/A

N/A

SOURCE NUMBER(S): 160,161

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL, BORROW

SCOPE: TWO AREAS

LEVEL: DELINEATION, STRATIGRAPHY

SIZE : 42BH

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: WINTER

PROGRAM LENGTH: 7 DAYS (JAN 21-27)

EQUIPMENT : TEXOMA 600 AUGER ON A NODWELL FN210, 966C LOADER/BOMBADIER, 356/406MM DIAMETER AUGERS

PENETRATION: 1.8-9.5M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5-2.0M

QUALITY: FAIR TO GOOD

TYPE : DISTURBED

SIZE : 181 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, BORROW QUANTITIES

REPORT : FORMAL BORROW REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : TCL81TK.HAL79TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY - BOX 525

DATA : SPONSOR/CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/04/24

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA80MC

MONTH: 4

YEAR: 1980

SPONSOR : AMOCO CANADA PETROLEUM CO LTD. (DOME.CANMAR)

JOB NO : N/A

CONTACT: KEVIN HEWITT

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-2806.1

CONTACT: KEVIN JONES

REPORT TITLE: GEOTECHNICAL EVALUATION FOR DREDGING PROGRAM AT MCKINLEY BAY, NWT

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	9	9	9
EASTING:	410000	413250	416500
NORTHING:	7758750	7761025	7763300
OR: LATITUDE:	69.92216	69.94364	69.96509
LONGITUDE:	131.34944	131.26689	131.18417

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : MCKINLEY BAY

MCKINLEY BAY

NUMBER: 1.2

1.2

SCALE : 1:1111

1:1111.83333

FORMAT: PAPER

PAPER

ARCHIV: IN REPORT

IN REPORT

DIG NO: N/A

N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: 1 SITE

LEVEL: STRATIGRAPHY, FOUNDATION

SIZE : 15 BHs

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: SPRING

EQUIPMENT : SONIC DRILL

PENETRATION: 8.5-11.9-14.2M

RESOLUTION : FAIR TO GOOD

PROGRAM LENGTH: N/A

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS, 1.5M INTERVALS

QUALITY: DISTURBED - STRATIGRAPHY INTACT, SOME SAMPLE LOSS

TYPE : GRAB, SPT

SIZE : 112 GRAB, 12 SPTs

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL CLASSIFICATION

REPORT : FORMAL GEOTECHNICAL EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER : EBA81MC

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)

DATA : CONTRACTOR (EBA EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 88/03

COMPILATION PROJECT NO.: 0306-34413

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA80TH2

MONTH: 4

YEAR: 1980

SPONSOR : CANADIAN MARINE DRILLING LTD.

JOB NO : N/A

CONTACT: KEVIN HEWITT

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-2806.2

CONTACT: NEIL MACLEOD

REPORT TITLE: TUKTOYAKTUK HARBOUR APPROACH STUDY - PHASE II, OCTOBER, 1980

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	573135	576088	579029
NORTHING:	7705014	7709755	7714500
OR: LATITUDE:	69.44583	69.48750	69.52916
LONGITUDE:	133.13333	133.05400	132.97500

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: DWG NO. 1
SCALE : 1:12000
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK HARBOUR APPROACH CHANNEL
DWG NO. 2 (LITHOLOGIC SECTION)
1:31000
PAPER COPY
IN REPORT
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: SITE SPECIFIC
LEVEL: DELINEATION
SIZE : 6BH(1980);8BH.1CH(1979)
SURVEY PATTERN: LINE
SURVEY SPACING: 800M
SEASON: WINTER
EQUIPMENT : SLEIGH-MOUNTED SONIC DRILL WITH 100MM OD CASING.20-9000HZ.60RPM
PENETRATION: 11.4-11.9-12.8M
RESOLUTION : GOOD

PROGRAM LENGTH: 2 DAYS(1980)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M
QUALITY: GOOD WHEN RECOVERED
TYPE : GRAB.TWT.SPT
SIZE : 64GRAB.8TWT.6SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING
REPORT : FORMAL GEOTECHNICAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA79TC

ARCHIVING OF INFORMATION:

REPORT : CONTRACTOR EBA EDMONTON 14535 - 118 AVENUE
DATA : CONTRACTOR EBA EDMONTON (14535 - 118 AVENUE)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 93/02/06 COMPILATION PROJECT NO.: 0101-11085
UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA80TH1

MONTH: 8

YEAR: 1980

SPONSOR : DOME PETROLEUM LTD.

JOB NO : N/A

CONTACT: KEVIN HEWITT

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-2995

CONTACT: NEIL MACLEOD

REPORT TITLE: GEOTECHNICAL EVALUATION, NEW DOCK STRUCTURE, TUK BASE, TUKTOYAKTUK, NWT, JANUARY, 1981

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	578900	579050	579200
NORTHING:	7703200	7703350	7703500
OR: LATITUDE:	69.42794	69.42924	69.43054
LONGITUDE:	132.98782	132.98387	132.97992

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK HARBOUR

NUMBER: N/A

SCALE : 1:

FORMAT: N/A

ARCHIV: N/A

DIG NO: N/A

TUKTOYAKTUK - NEW DOME SERVICE DOCK
FIG 2 & 3
1:1333
PAPER COPY
IN REPORT
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: SITE SPECIFIC

LEVEL: DETAILED DELINEATION

SIZE : 5 NEW BH, 27 DYNAMIC CONE, (5 PREVIOUS BH)

SURVEY PATTERN: LINE AND GRID

SURVEY SPACING: 5-10M FOR DC, 20-40M FOR BH

SEASON: SUMMER/WINTER (APRIL)

EQUIPMENT : RANGER WITH SOLID AUGERS, SONIC VIBRATORY DRILL

PENETRATION: 4.5-10.1-14.9M, 18.3M, 12.1-16.3-21.5M

RESOLUTION : GOOD

PROGRAM LENGTH: 2 DAYS/1 DAY/3 DAYS

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6-1.5M

QUALITY: GOOD

TYPE : GRAB, SPT, CORE

SIZE : 185 GRAB, 9 SPT, 2 CORE

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING, DETAILED GEOTECHNICAL INTERPRETATION

REPORT : FORMAL GEOTECHNICAL REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : 101-2843.2, 101-2968 (EBA80??)

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR EBA EDMONTON 14535 - 118 AVENUE

DATA : CONTRACTOR EBA EDMONTON - 14535 - 118 AVENUE

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 93/02/05

COMPILATION PROJECT NO.: 0101-11085

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA80TK

MONTH: 9

YEAR: 1980

SPONSOR : DOME PETROLEUM LTD.

JOB NO :

CONTACT: KEVIN HEWITT (AMOCO)

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-2996

CONTACT: D.W. HAYLEY

REPORT TITLE: GEOTECHNICAL EVALUATION, PROPOSED HANGAR BUILDING, TUKTOYAKTUK AIRPORT, TUKTOYAKTUK, N.W.T.

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577550	577580	577610
NORTHING:	7704240	7704285	7704330
OR: LATITUDE:	69.43765	69.43805	69.43844
LONGITUDE:	133.02137	133.02057	133.01976

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: 2996-A-1
SCALE : 1:500
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK - DOME HANGAR BUILDING
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: 1 SITE
LEVEL: STRATIGRAPHY, SOIL PROPERTIES
SIZE : 5BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: SUMMER
EQUIPMENT : TEXOMA 600 AUGER DRILL
PENETRATION: 3.7-6.4-9.1M
RESOLUTION : GOOD

PROGRAM LENGTH: 3 DAYS (AUG 20, SEPT 3-4)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.6-1.5M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 40 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, FOUNDATION
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)
DATA : SPONSOR/CONTRACTOR (EBA-EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/25 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA81MC

MONTH: 3

YEAR: 1981

SPONSOR : DOME PETROLEUM LTD.

JOB NO : N/A

CONTACT: KEVIN HEWITT

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-3156

CONTACT: NEIL MACLEOD

REPORT TITLE: GEOTECHNICAL EVALUATION OF PROPOSED CAMP FACILITIES AND MARINE WHARF AT NORTH PROTECTION ISLAND, 1981

COORDINATES :

UTM: ZONE:	MINIMUM	CENTRE	MAXIMUM
EASTING:	9	9	9
NORTHING:	413920	414610	415300
OR: LATITUDE:	7761630	7761875	7762120
LONGITUDE:	69.94928	69.95171	69.95413
	131.25000	131.23219	131.21441

LOCATION:

GENERAL LOCATION

NAME :
NUMBER: NORTH PROTECTION ISLAND - MCKINLEY BAY
SCALE : FIGURE 1
FORMAT: 1128700
ARCHIV: PAPER COPY
DIG NO: IN REPORT
N/A
SOURCE NUMBER(S):
NEW SOURCE NUMBER(S) N/A

SITE PLAN

NORTH PROTECTION ISLAND (ARTIFICIAL IS)
FIG A-1
1:4000
PAPER COPY
IN REPORT
N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: DELINEATION, SUBSURFACE CONDITIONS
SIZE : 10BH,2CH
SURVEY PATTERN: IRREGULAR GRID
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : TRUCK MOUNTED CME-750 DRILL WITH CRREL (100MM ID) BARREL, WET ROTARY, 54-76MM SPLIT SPOON, DUTCH CPT A
PENETRATION: 8.8-12.6-17.7M
RESOLUTION : GOOD
PROGRAM LENGTH: 14 DAYS (MAR 20 - APR 2)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M
QUALITY: GOOD
TYPE : GRAB, CORE, 54SPT, 76SPT
SIZE : 26 GRAB, 5 CORE, 42 54SPT, 16 76SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING, STRATIGRAPHY
REPORT : FORMAL GEOTECHNICAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : EBA80MC

ARCHIVING OF INFORMATION:

REPORT : EBA EDMONTON (14535 - 118 AVENUE)
DATA : EBA EDMONTON (14535 - 118 AVENUE)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 93/02/06
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27
COMPILATION PROJECT NO.: 0101-11085
UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: TCL81TK MONTH: 3 YEAR: 1981

SPONSOR : EPEC CONSULTING WESTERN LTD. (FOR GNWT-DPW)
JOB NO : CONTACT: N.A. JACOBSEN
CONTRACTOR : THURBER ENGINEERING LTD. (THURBER CONSULTANTS LTD.)
JOB NO : 15-22-16 CONTACT: L.B. SMITH
REPORT TITLE: TUKTOYAKUK WATER RESERVOIR, GEOTECHNICAL REPORT NO.1, BORROW SOURCE AND SITE INVESTIGATIONS

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577300	578650	580000
NORTHING:	7703400	7704600	7705800
OR: LATITUDE:	69.43020	69.44056	69.45091
LONGITUDE:	133.02843	132.99302	132.95758

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK
NUMBER: 15-22-16-4
SCALE : 1:5000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUK HARBOUR, HARBOUR FLATS, TAREOKNITOK
15-22-16-2, 15-22-16-4
1:5000 HORIZONTAL, 100 VERTICAL
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL, BORROW
SCOPE: 3 SITES
LEVEL: STRATIGRAPHY, DELINEATION
SIZE : 31BH, 14 SHALLOW PROBE HOLES, 23 BH (HBT)
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL, WINTER
EQUIPMENT : TEXOMA AUGER DRILL
PENETRATION: CME 750 AUGER DRILL WITH SPT
RESOLUTION : 4.7-10.9-32.0M (BH), 0.1M (PROBE)
GOOD

PROGRAM LENGTH: 2 - 1980; 12 DAYS 02/25-03/08

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.5M
QUALITY: GOOD
TYPE : DISTURBED, SPT
SIZE : 241 DIST/SPT, 36 VARIOUS HBT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, BORROW VOLUMES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL80TK, HAL79TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY - BOX 521
DATA : CONTRACTOR (THURBER ENGINEERING LTD. - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/04/24 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA81TH

MONTH: 5

YEAR: 1981

SPONSOR : ESSO RESOURCES CANADA LTD.

JOB NO : N/A

CONTACT: JEFF WEAVER.PHD

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101-3234

CONTACT: NEIL MACLEOD

REPORT TITLE: PRELIMINARY EVALUATION OF OFFSHORE BORROW RESOURCES, TUKTOYAKTUK HARBOUR, MAY 26, 1981

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	579650	579890	580130
NORTHING:	7701690	7702345	7703000
OR: LATITUDE:	69.41418	69.41998	69.40578
LONGITUDE:	132.96999	132.96332	132.95665

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK HARBOUR

NUMBER: FIG 1

SCALE : 1:7700

FORMAT: PAPER COPY

ARCHIV: IN REPORT

DIG NO: N/A

TUKTOYAKTUK HARBOUR

N/A

1:N/A

N/A

N/A

N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL BORROW STUDY

SCOPE: SITE SPECIFIC

LEVEL: DELINEATION

SIZE : 5CH(1981).7BH(1973).1CH(1978)

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: 30-115-600M

SEASON: SUMMER(1981,78).WINTER/73

EQUIPMENT : SONIC DRILL (1981,1978).BECKER DRILL(1973)

PENETRATION: 14.9-18.2-24.4M (1981,1978)

RESOLUTION : GOOD

PROGRAM LENGTH: 3 DAYS(1981).1 DAY(1973)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS(1981,1978).1.5M(1973)

QUALITY: GOOD(1981,1978).POOR(1973)

TYPE : CORE(1981,1973).GRAB(1973)

SIZE : 6CORE.22GRAB

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING

REPORT : PRELIMINARY BORROW ASSESSMENT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : EBA76TH

ARCHIVING OF INFORMATION:

REPORT : CONTRACTOR EBA EDMONTON 14535 - 118 AVENUE

DATA : CONTRACTOR EBA EDMONTON (14535 - 118 AVENUE)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 93/02/06

COMPILATION PROJECT NO.: 0101-11085

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: EBA82TK MONTH: 1 YEAR: 1982

SPONSOR : NORTHERN TRANSPORTATION COMPANY LTD.
JOB NO : CONTACT: MR. M. STOUT
CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 101-3532 CONTACT: NEIL MACLEOD
REPORT TITLE: SITE INVESTIGATION FOR A CAMP FACILITY AT TUKTOYAKTUK, JUNE, 1982

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	578400	578650	578900
NORTHING:	7703500	7703950	7704400
OR: LATITUDE:	69.43077	69.43473	69.43869
LONGITUDE:	133.00031	132.99357	132.98682

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK
NUMBER: FIG 1
SCALE : 1:
FORMAT: PAPER COPY
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUKTOYAKTUK NTCL FACILITY (LOT 1000)
FIG 2
1:5000
PAPER COPY
IN REPORT
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: FIVE SITES (ONSHORE)
LEVEL: DELINEATION
SIZE : 10BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : TEXOMA 400 AUGER ON NODWELL TRACK WITH 76MM AUGER CORE BARREL
PENETRATION: 6.2-6.3-6.7M
RESOLUTION : GOOD

PROGRAM LENGTH: 4 DAYS (JAN 22-25)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS WITH 1M BREAKS IN CORE
QUALITY: GOOD
TYPE : CORE
SIZE : 70 CORE

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING
REPORT : SITE INVESTIGATION REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : CONTRACTOR EBA EDMONTON 14535 - 118 AVENUE
DATA : CONSTRCTOR EBA EDMONTON (14535 - 118 AVENUE)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 93/02/06 COMPILATION PROJECT NO.: 0101-11085
UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: TCL82TK1 MONTH: 2 YEAR: 1982

SPONSOR : GOVERNMENT OF NWT/EPEC CONSULTING WESTERN LTD.
JOB NO : CONTACT: BRIAN LEMAX
CONTRACTOR : THURBER ENGINEERING LTD. (THURBER CONSULTANTS LTD.)
JOB NO : 15-22-24 CONTACT: L.B. SMITH
REPORT TITLE: TUKTOYAKTUK SOLID WASTE DISPOSAL, PRELIMINARY GEOTECHNICAL INVESTIGATION, MAY 12, 1982

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577300	577850	578400
NORTHING:	7702000	7703375	7704750
OR: LATITUDE:	69.41765	69.42981	69.44197
LONGITUDE:	133.02958	133.01443	132.99927

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK
NUMBER: 15-22-24-1
SCALE : 1:10000
FORMAT: PAPER (AIRPHOTO MOSAIC)
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUKTOYAKTUK SOLID WASTE DISPOSAL AREA
15-22-24-2
1:5000
PAPER (AIRPHOTO MOSAIC)
IN REPORT
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: TWO MAIN SITES (BORROW AND SOLID DISPOSAL AREA)
LEVEL: STRATIGRAPHY, DELINEATION
SIZE : 9BH SAND, 8BH BORROW, 4BH FOUNDATION
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : TEXOMA 600 AUGER DRILL
PENETRATION: 1.4-2.7-4.3M.3.7-5.1-6.4M.4.6-5.7-7.3M
RESOLUTION : GOOD

PROGRAM LENGTH: 8 DAYS (FEB 18-25)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.5M OR SELECTED (NONE WHERE CONTAMINATED BY SEWAGE)
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 26 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, TERRAIN ANALYSIS, BORROW SOURCES
REPORT : PRELIMINARY GEOTECHNICAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TCL82TK2, TCL82TK3

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY YELLOWKNIFE - BOX 519
DATA : CONTRACTOR (THURBER - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: TCL82TK2 MONTH: 2 YEAR: 1982

SPONSOR : GOVERNMENT OF NWT/EPEC CONSULTING WESTERN LTD.
JOB NO : CONTACT: BRIAN LEMAX
CONTRACTOR : THURBER ENGINEERING LTD. (THURBER CONSULTANTS LTD.)
JOB NO : 15-22-24 CONTACT: L.B. SMITH
REPORT TITLE: TUKTOYAKTUK WATER RESERVOIR, GEOTECHNICAL REPORT NO.2, TRUCK FILL STATION AND LINER COVER MATERIAL

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577800	578100	578400
NORTHING:	7704100	7704425	7704750
OR: LATITUDE:	69.43632	69.43915	69.44197
LONGITUDE:	133.01512	133.00719	132.99927

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK WATER RESERVOIR & TRUCK FILL
NUMBER: 15-22-24-1
SCALE : 1:10000
FORMAT: PAPER (AIRPHOTO MOSAIC)
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUKTOYAKTUK WATER RESERVOIR & TRUCK FILL
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: TWO MAIN SITES (DREDGE SAND BORROW AND TRUCK FILL STATION)
LEVEL: STRATIGRAPHY, DELINEATION
SIZE : 9BH SAND BORROW, 2BH FOUNDATION
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : TEXOMA 600 AUGER DRILL
PENETRATION: 1.4-2.7-4.3M, 8.8-8.8-8.8M
RESOLUTION : GOOD

PROGRAM LENGTH: 8 DAYS (FEB 18-25)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.5M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 23 DIST (TRUCK FILL STATION BOREHOLES)

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, LINER COVER, FOUNDATIONS
REPORT : FORMAL GEOTECHNICAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TCL82TK1, TCL82TK3

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY YELLOWKNIFE - BOX 520
DATA : CONTRACTOR (THURBER - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: TCL82TK3

MONTH: 2

YEAR: 1982

SPONSOR : GOVERNMENT OF NWT/EPEC CONSULTING WESTERN LTD.

JOB NO : CONTACT: BRIAN LEMAX

CONTRACTOR : THURBER ENGINEERING LTD. (THURBER CONSULTANTS LTD.)

JOB NO : 15-22-24 CONTACT: L.B. SMITH

REPORT TITLE: TUKTOYAKTUK SEWAGE LAGOON AND ACCESS ROAD, GEOTECHNICAL INVESTIGATION, MAY 3, 1982 (HAVE NOT SEEN)

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577100	577750	578400
NORTHING:	7699700	7702225	7704750
OR: LATITUDE:	69.39709	69.41953	69.44197
LONGITUDE:	133.03656	133.01793	132.99927

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK SEWAGE LAGOON & ACCESS ROAD
NUMBER: 15-22-24-1
SCALE : 1:10000
FORMAT: PAPER (AIRPHOTO MOSAIC)
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUKTOYAKTUK SEWAGE LAGOON & ACCESS ROAD
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: THREE MAIN SITES (DREDGE SAND BORROW, SEWAGE LAGOON, ACCESS)
LEVEL: STRATIGRAPHY, DELINEATION
SIZE : 9BH SAND BORROW, 8BH ACCESS, 7BH FOUNDTN
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : TEXOMA 600 AUGER DRILL
PENETRATION: 1.4-2.7-4.3M.3.7-4.9-8.8M
RESOLUTION : GOOD

PROGRAM LENGTH: 8 DAYS (FEB 18-25)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.5M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 85 DIST (ACCESS ROAD AND LAGOON BOREHOLES)

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, ROAD, FOUNDATIONS
REPORT : FORMAL GEOTECHNICAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TCL82TK1, TCL82TK2

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT-DPW LIBRARY YELLOWKNIFE?
DATA : CONTRACTOR (THURBER - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: BBT83TK

MONTH: 3

YEAR: 1983

SPONSOR : DIAND

JOB NO :

CONTACT: R.J. GOWAN

CONTRACTOR : BBT GEOTECHNICAL CONSULTANTS LTD., GVM GEOLOGICAL CONSULTANTS LTD

JOB NO : A83-613

CONTACT: ALAN HANNA

REPORT TITLE: GRANULAR MATERIALS EVALUATION, DEPOSITS 168 & 211, TUKTOYAKTUK AREA, N.W.T., MAY 1983

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	530000	561000	592000
NORTHING:	7684500	7689250	7694000
OR: LATITUDE:	69.27010	69.30756	69.34132
LONGITUDE:	134.24058	133.45307	132.66301

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK AREA
NUMBER: A83-613-1
SCALE : 1:250000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

ESKIMO LAKES (168), CROOKED LAKE (211)
A83-613-2 (168), A83-613-3 (211), A83-613-A1
1:50000, 50000, 4000, 5000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): 168, 211
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL, BORROW
SCOPE: 2 AREAS, SEVERAL SUB-SITES
LEVEL: DELINEATION, STRATIGRAPHY
SIZE : 17BH
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : BECKER DIESEL HAMMER
PENETRATION: 5.4-8.1-12.1M
RESOLUTION : FAIR

PROGRAM LENGTH: 4 DAYS (MAR 19, 20, 23, 24)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1-2M
QUALITY: FAIR (BROKEN DOWN BY HAMMER ACTION)
TYPE : DISTURBED
SIZE : 95 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, VOLUME OF BORROW
REPORT : FORMAL BORROW STUDY
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (DIAND - YELLOWKNIFE, BELLANCA BUILDING)
DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/24 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA83TK

MONTH: 12

YEAR: 1983

SPONSOR : INDIAN AND NORTHERN AFFAIRS CANADA

JOB NO : CONTACT: R.J. GOWAN

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 0101-3760 CONTACT: D.W. HAYLEY

REPORT TITLE: GRANULAR RESOURCE DEVELOPMENT AND MANAGEMENT PLAN, TUKTOYAKTUK, DECEMBER, 1983

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	460000	536000	612000
NORTHING:	7545000	7637500	7730000
OR: LATITUDE:	68.01801	68.84804	69.65616
LONGITUDE:	135.95756	134.10605	132.11256

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK

NUMBER: N/A

SCALE : 1:0

FORMAT: N/A

ARCHIV: N/A

DIG NO: N/A

TUKTOYAKTUK

N/A

1:N/A

N/A

N/A

N/A

SOURCE NUMBER(S): 160/161,162,YAYA LAKE,168

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: NUMEROUS SITES

LEVEL: INVENTORY BASED ON EARLIER WORK

SIZE : N/A

SURVEY PATTERN: N/A

SURVEY SPACING: N/A

SEASON: N/A

EQUIPMENT : N/A

PENETRATION: N/A

RESOLUTION : N/A

PROGRAM LENGTH: 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 : MATERIAL CLASSES AND VOLUMES,SUPPLY AND DEMAND,DEVELOPMENT AND MANAGEMENT

REPORT : FORMAL BORROW EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER : HBT

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON, BOX 847)

DATA : CONTRACTOR (EBA-EDMONTON, BOX 847?)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/26

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: GEO85TK

MONTH: 2

YEAR: 1985

SPONSOR : GOV'T OF NWT - DPW&H, ARCHITECTURAL DIVISION

JOB NO : SC230397

CONTACT: BRENT RAUSCH

CONTRACTOR : GEOCON INC.

JOB NO : 40826-2

CONTACT: G. HOLLINGSHEAD (TEL)

REPORT TITLE: GEOTECHNICAL INVESTIGATION, TUKTOYAKTUK ARENA, MARCH, 1985

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577600	577675	577750
NORTHING:	7704875	7704910	7704950
OR: LATITUDE:	69.44333	69.44362	69.44396
LONGITUDE:	133.01957	133.01763	133.01568

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK

NUMBER: N/A

SCALE : 1:

FORMAT: N/A

ARCHIV: N/A

DIG NO: N/A

TUKTOYAKTUK ARENA

1

1:500

PAPER

IN REPORT

N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ONE SITE

LEVEL: STRATIGRAPHY

SIZE : 5BH

SURVEY PATTERN: GRID

SURVEY SPACING: 35-45M

SEASON: WINTER

EQUIPMENT : TEXOMA 600 AUGER DRILL

PENETRATION: 2.9-7.8-10.0M

RESOLUTION : GOOD

PROGRAM LENGTH: 4 DAYS (FEB 7-9,24)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M

QUALITY: GOOD

TYPE : DISTURBED, CORE

SIZE : 27 DIST, 2 CORE

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, SALINITY, THERMAL PROPERTIES

REPORT : FORMAL GEOTECHNICAL REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT - DPW LIBRARY - YELLOWKNIFE - BOX 519

DATA : CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/26

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: HBT89TK MONTH: 9 YEAR: 1985

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW
JOB NO : 86-9128A CONTACT: HOWARD MACKAY
CONTRACTOR : HBT AGRA LTD. (HARDY BBT LTD.)
JOB NO : YX00112 CONTACT: ALAN HANNA

REPORT TITLE: SOURCE 155 NORTH - DEVELOPMENT PLAN, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., SE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	553000	555500	558000
NORTHING:	7677000	7680000	7683000
OR: LATITUDE:	69.19943	69.22583	69.25220
LONGITUDE:	133.66265	133.59786	133.53291

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK (MACKENZIE DELTA)
NUMBER: FIGURE 1
SCALE : 1:250000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

SOURCE 155 NORTH
FIGURE 2
1:50000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): 155
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL
SCOPE: 2 MAIN AREAS, SEVERAL SUB-SITES
LEVEL: DEVELOPMENT PLAN BASED ON EARLIER WORK
SIZE : N/A
SURVEY PATTERN: N/A
SURVEY SPACING: N/A
SEASON: N/A
EQUIPMENT : N/A
PENETRATION: N/A
RESOLUTION : N/A

PROGRAM LENGTH: 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 : BORROW QUANTITIES, DEVELOPMENT PLAN, RESTORATION PLAN, COSTS
REPORT : FORMAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL86TK.HBT86TK.HBT87TK1.HBT87TK2.HBT88TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT- DPW LIBRARY - YELLOWKNIFE - BOX 524
DATA : CONTRACTOR (HBT - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: GEO85TK

MONTH: 11

YEAR: 1985

SPONSOR : GOVERNMENT OF THE NORTHWEST TERRITORIES

JOB NO : CONTACT:

CONTRACTOR : GEOCON INC.

JOB NO : A1520/40987 CONTACT:

REPORT TITLE: REPORT ON PROPOSED RENEWABLE RESOURCES GARAGE, SOIL CONDITIONS AND FOUNDATION, TUKTOYAKTUK, N.W.

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577050	577100	577150
NORTHING:	7704500	7704550	7704600
OR: LATITUDE:	69.44013	69.44056	69.44099
LONGITUDE:	133.03390	133.03259	133.03127

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: FIGURE 1
SCALE : 1:4000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

N/A
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: STRATIGRAPHY
SIZE : 2BH
SURVEY PATTERN: LINEAR
SURVEY SPACING: 100M
SEASON: WINTER
EQUIPMENT : C-65 DRILL
PENETRATION: 7.3-7.7-8.1M
RESOLUTION : GOOD

PROGRAM LENGTH: 2 DAYS (NOV 19-20)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.25M
QUALITY: GOOD
TYPE : UNKNOWN "A"
SIZE : 14

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : FOUNDATIONS
REPORT : FORMAL GEOTECHNICAL?
DISTRIB: SPONSOR/CONTRACTOR
OTHER :

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (GNWT-DPW LIBRARY - YELLOWKNIFE?)
DATA : CONTRACTOR

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/31 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY :
DATE : UPDATE PROJECT NO.:

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA86TP

MONTH: 12

YEAR: 1985

SPONSOR : ESSO RESOURCES CANADA LTD.

JOB NO :

CONTACT: A. STRILCHUK

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 0101B-4446

CONTACT: W.T. HORNE

REPORT TITLE: GEOTECHNICAL EVALUATION OF DRILLING AND GEOPHYSICAL DATA, ESSO, PCI, HOME ET AL., TUKTOYAKTUK G-39

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	573100	573139	573150
NORTHING:	7689400	7689419	7689450
OR: LATITUDE:	0.00000	69.30606	0.00000
LONGITUDE:	0.00000	133.14528	0.00000

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK PENINSULA

TUKTOYAKTUK G-39, (TUKTUK A-12)

NUMBER:

SCALE : 1:

1:

FORMAT:

ARCHIV:

DIG NO:

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOPHYSICAL

SCOPE: 2 SITES

LEVEL: LOGGING OF ONSHORE WELLS

SIZE : 2 CH (ONLY G-39 WAS SUCCESSFULLY LOGGED)

SURVEY PATTERN: IRREGULAR

SURVEY SPACING: IRREGULAR

SEASON: WINTER

PROGRAM LENGTH: 10 DAYS (NOV 30 - DEC 9, 1985)

EQUIPMENT : KELLY BUSHING SOAP-BASED FOAM DRILLING FLUID, SIDEWALL CORING APPARATUS, STRATIGRAPHIC DIPMETER, VARIC

PENETRATION: 410.6M

RESOLUTION : GOOD

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS, TESTING AT 3-10M INTERVALS

QUALITY: FAIR TO POOR DUE TO COLLECTION METHOD (VERY FEW FINES IN SUSPENSION COLLECTED)

TYPE : DISTURBED

SIZE : 45 DISTURBED

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, LITHOLOGY, SOIL PROPERTIES

REPORT : FORMAL GEOTECHNICAL REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON)

DATA : SPONSOR/CONTRACTOR (EBA - EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/31

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA86TK

MONTH: 4

YEAR: 1986

SPONSOR : VOLKER STEVIN DREDGING, B.V.

JOB NO :

CONTACT: H. BOENDER

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 101C-4504

CONTACT: D.W. HAYLEY

REPORT TITLE: GEOTECHNICAL INVESTIGATION, SHORELINE PROTECTION, TUKTOYAKTUK, APRIL, 1986

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	576580	576680	576780
NORTHING:	7705600	7706090	7706575
OR: LATITUDE:	69.45012	69.45448	69.45880
LONGITUDE:	133.04499	133.04204	133.03909

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: FIGURE 1
SCALE : 1:
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: STRATIGRAPHY, SOIL PROPERTIES
SIZE : 5BH
SURVEY PATTERN: LINEAR
SURVEY SPACING: 195-270M
SEASON: WINTER
EQUIPMENT : CME 750 ROTARY DRILL WITH 150 MM SOLID FLIGHT AUGER AND 100 MM DIAMETER CASING WITH DRAG BIT, 50/75 M.
PENETRATION: 10.1-11.5-15.2M
RESOLUTION : GOOD

PROGRAM LENGTH: 3 DAYS (APRIL 11-13)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1.5M
QUALITY: GOOD
TYPE : SPT
SIZE : 44SPT

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA EDMONTON)/GNWT-DPW LIBRARY - BOX 526
DATA : CONTRACTOR (EBA EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/24 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: HAL86TK MONTH: 7 YEAR: 1986

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS
JOB NO : 86-9128A CONTACT: HOWARD MACKAY
CONTRACTOR : HBT AGRA LTD. (HARDY ASSOCIATES (1978) LTD.)
JOB NO : CG14096 CONTACT: ALAN HANNA
REPORT TITLE: INTERIM REPORT - PHASE I, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK, N.W.T., PROJECT 86-912I

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	9
EASTING:	507000	567500	393000
NORTHING:	7658000	7690500	7723000
OR: LATITUDE:	69.03414	69.31658	69.59553
LONGITUDE:	134.82471	133.28766	131.75061

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK REGION
NUMBER: PLATE 1
SCALE : 1:250000
FORMAT: BLUELINE
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

TUKTOYAKTUK
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): 162,156,159,160,161,158,157,169,177,168,27,27A,27B,167,26,26A,26B,26C,28,166,165,170,155,163,304,164,171,172,2
NEW SOURCE NUMBER(S) 174,173,23,23A,213,211,208,215,175,151, YAYA LAKES

N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL
SCOPE: NUMEROUS SITES
LEVEL: RECONNAISSANCE (PAPER STUDY)
SIZE : N/A
SURVEY PATTERN: N/A
SURVEY SPACING: N/A
SEASON: N/A
EQUIPMENT : N/A
PENETRATION: N/A
RESOLUTION : N/A

PROGRAM LENGTH: 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 : SUMMARY OF EXISTING DATA
REPORT : INTERIM REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HBT86TK,HBT87TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (HBT AGRA - CALGARY)/GNWT-DPW LIBRARY - BOX 521
DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/25 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: HBT86TK MONTH: 9 YEAR: 1986

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DOT
JOB NO : 86-9128A CONTACT: FRED COLLINS
CONTRACTOR : HBT AGRA LTD. (HARDY BBT LTD.)
JOB NO : CG14096 CONTACT: ALAN HANNA
REPORT TITLE: INTERIM REPORT - PHASE II, FIELD RECONNAISSANCE, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK.

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	550300	568800	587300
NORTHING:	7677700	7689500	7701300
OR: LATITUDE:	69.20622	69.30793	69.40830
LONGITUDE:	133.73039	133.25519	132.77555

LOCATION: GENERAL LOCATION

NAME : TUKTOYAKTUK
NUMBER: FIGURE 1, FIGURE 3, FIGURE 5
SCALE : 1:50000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

SITE PLAN

SE OF TUKTOYAKTUK, SW OF TUKTOYAKTUK
FIGURE 1, FIGURE 3, FIGURE 5
1:50000, 50000, 50000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): 155, 163, 181, 183 (169), 184 (169)
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, BORROW STUDY
SCOPE: SEVERAL SITES
LEVEL: DELINEATION
SIZE : 38TP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: VARIES
SEASON: FALL
EQUIPMENT : HAND TOOLS
PENETRATION: 0.4-0.8-1.7M
RESOLUTION : GOOD

PROGRAM LENGTH: 9 DAYS (SEPT 4-12)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1 TO 2 SAMPLES PER M
QUALITY: FAIR
TYPE : BULK DISTURBED
SIZE : 54 BULK

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY AND LATERAL EXTENT
REPORT : FORMAL BORROW STUDY
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL86TK, HBT87TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR GNWT DPW LIBRARY YELLOWKNIFE, YK TOWER; EBA YELLOWKNIFE
DATA : CONTRACTOR (HBT AGRA - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/09 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: HBT87TK1

MONTH: 3

YEAR: 1987

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS
JOB NO : 86-9128A

CONTACT: HOWARD MACKAY

CONTRACTOR : HBT AGRA LTD. (HARDY BBT LTD.)

JOB NO : CG14096

CONTACT: ALAN HANNA

REPORT TITLE: INTERIM REPORT - PHASE III, WINTER DRILLING PROGRAM, DEPOSIT 155, COMMUNITY GRANULAR MANAGEMENT PL
N.W.T., JUNE, 1987

COORDINATES :

UTM: ZONE:	MINIMUM	CENTRE	MAXIMUM
EASTING:	8	8	8
NORTHING:	553000	555500	558000
OR: LATITUDE:	7677000	7680000	7683000
LONGITUDE:	69.19943	69.22583	69.25220
	133.66265	133.59786	133.53291

LOCATION:

GENERAL LOCATION

NAME :
NUMBER: TUKTOYAKTUK (MACKENZIE DELTA)
SCALE : FIGURE 1
FORMAT: 250000
ARCHIV: PAPER
DIG NO: IN REPORT
N/A

SITE PLAN

SOURCE 155 NORTH AND SOUTH
FIGURE 2
1:50000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S):
NEW SOURCE NUMBER(S) 155 NORTH, 155 SOUTH
N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL
SCOPE: 2 MAIN SITES WITH SEVERAL SUB-SITES
LEVEL: DELINEATION
SIZE : 70BH (48 NORTH AND 22 SOUTH)
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : CME 750 AUGER DRILL WITH 150 MM DIAMETER CRREL BARREL AND 150-200MM DIAMETER AUGERS
PENETRATION: 1.8-3.8-6.1M
RESOLUTION : GOOD

PROGRAM LENGTH: 13 DAYS (MARCH 14-26)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.0M AUGER DISTURBED SAMPLES TO CONTINUOUS CORE SAMPLES
QUALITY: GOOD
TYPE : DISTURBED, CORE
SIZE : 89 DIST.202 CORE

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, BORROW QUANTITIES
REPORT : FORMAL BORROW REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL86TK, HBT86TK, HBT87TK2, HBT88TK, HBT89TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT- DPW LIBRARY - YELLOWKNIFE - BOX 522
DATA : CONTRACTOR (HBT - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: EBA87TK

MONTH: 4

YEAR: 1987

SPONSOR : INDIAN AND NORTHERN AFFAIRS CANADA

JOB NO : 25STA71346-0014

CONTACT: R.J. GOWAN

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 0101-4575

CONTACT: D.W. HAYLEY

REPORT TITLE: INUVIALUIT SETTLEMENT SAND AND GRAVEL INVENTORY AND RECOMMENDATIONS FOR DEVELOPMENT, TUKTOYAKTU

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	460000	536000	612000
NORTHING:	7545000	7637500	7730000
OR: LATITUDE:	68.01801	68.84804	69.65616
LONGITUDE:	135.95756	134.10605	132.11256

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : INUVIALUIT LANDS LOCATION PLAN

NUMBER: 4575-001

SCALE : 1:5363300

FORMAT: PAPER

ARCHIV: IN REPORT

DIG NO: 4575-001

TUKTOYAKTUK

0101-4575-003,0101-4575-004

1:250000

BLUELINE

IN REPORT

0101-4575-003/004

SOURCE NUMBER(S): 2.24,2.34,2.36,2.37,2.38,2.40,23,23A,24A,27,27A,27B,151,152A,155,156,157,158,159,160/161,162,163,164,165,166,167

NEW SOURCE NUMBER(S) 170,171,172,173,174,175,176,177,181,183,184,200A,201A,202A,

(CONTD)203A,205A,206,207,208A,209,210A,211,211E,212,213,216,216S,217,217E,218,218N,219,304,305,306,307

SURVEY LINES / LOCATION DETAILS 13,314,325,327,328A,PL1,PL2,PL3,PL4,PL5,PL6,PL7,PL8,PL9

(CONTD)PL10,PL11

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: NUMEROUS SITES

LEVEL: INVENTORY BASED ON EARLIER WORK

SIZE : 545BH

SURVEY PATTERN: N/A

SURVEY SPACING: N/A

SEASON: N/A

EQUIPMENT : N/A

PENETRATION: N/A

RESOLUTION : N/A

PROGRAM LENGTH: 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 : DEVELOPMENT CONSTRAINTS, MATERIAL CLASSES AND VOLUMES

REPORT : FORMAL BORROW EVALUATION

DISTRIB: SPONSOR/CONTRACTOR

OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - EDMONTON, BOX 816)

DATA : CONTRACTOR (EBA-EDMONTON, BOX 816?)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/26

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

=====

STUDY NUMBER: HBT87TK2 MONTH: 5 YEAR: 1987

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS
JOB NO : 86-9128A CONTACT: HOWARD MACKAY
CONTRACTOR : HBT AGRA LTD. (HARDY BBT LTD.)
JOB NO : CG14096 CONTACT: ALAN HANNA
REPORT TITLE: PHASE III. FINAL COMPARISON OF POTENTIAL SOURCES, COMMUNITY GRANULAR MANAGEMENT PLAN, TUKTOYAKTUK

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	9
EASTING:	507000	567500	393000
NORTHING:	7658000	7690500	7723000
OR: LATITUDE:	69.03414	69.31658	69.59553
LONGITUDE:	134.82471	133.28766	131.75061

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK (MACKENZIE DELTA)
NUMBER: PLATE 1
SCALE : 1:250000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK
FIGURE 1
1:50000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): YAYA LAKES.211.155.177.167.168.182.158.184.183.181.161.160.162.163
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL
SCOPE: SEVERAL SITES
LEVEL: FINAL COMPARISON OF POTENTIAL SOURCES BASED ON EARLIER WORK
SIZE : N/A
SURVEY PATTERN: N/A
SURVEY SPACING: N/A
SEASON: N/A
EQUIPMENT : N/A
PENETRATION: N/A
RESOLUTION : N/A

PROGRAM LENGTH: 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 : BORROW QUANTITIES.AVERAGE HAUL COST
REPORT : FORMAL REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL86TK.HBT86TK.HBT87TK1.HBT88TK.HBT89TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT- DPW LIBRARY - YELLOWKNIFE - BOX 529
DATA : CONTRACTOR (HBT - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: TCL88TK

MONTH: 3

YEAR: 1988

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS

JOB NO : CONTACT: MANFRED GERSCHACK

CONTRACTOR : THURBER ENGINEERING LTD. (THURBER CONSULTANTS LTD.)

JOB NO : 15-22-91 CONTACT: L.B. SMITH

REPORT TITLE: PROPOSED NEW SCHOOL, TUKTOYAKTUK, N.W.T., GEOTECHNICAL INVESTIGATION, APRIL, 1988

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577410	577460	577510
NORTHING:	7704835	7704868	7704900
OR: LATITUDE:	69.44302	69.44331	69.44358
LONGITUDE:	133.02445	133.02314	133.02184

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: 1
SCALE : 1:7500
FORMAT: PAPER (COPY OF AIRPHOTO)
ARCHIV: IN REPORT
DIG NO: N/A

TUKTOYAKTUK LOT 6, BLOCK 20
2
1:1000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: STRATIGRAPHY, SOIL PROPERTIES
SIZE : 4BH
SURVEY PATTERN: IRREGULAR GRID
SURVEY SPACING: 25-40M
SEASON: WINTER
EQUIPMENT : CME 750 AUGER DRILL
PENETRATION: 3.8-6.2-7.6M
RESOLUTION : GOOD

PROGRAM LENGTH: 1 DAY (MARCH 24)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.75-1.5M
QUALITY: GOOD
TYPE : DISTURBED
SIZE : 33 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : TCL89TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (GNWT-DPW LIBRARY)
DATA : CONTRACTOR (THURBER - YELLOWKNIFE OR CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/25 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY : EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: HBT88TK

MONTH: 6

YEAR: 1988

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW&HIGHWAYS
JOB NO : 86-9128A

CONTACT: HOWARD MACKAY

CONTRACTOR : HBT AGRA LTD. (HARDY BBT LTD.)

JOB NO : CG14096

CONTACT: ALAN HANNA

REPORT TITLE: DRAFT REPORT - PHASE IV, SOURCE 155 NORTH - DEVELOPMENT PLAN, COMMUNITY GRANULAR MANAGEMENT PL
JUNE, 1988

COORDINATES:

UTM: ZONE:	MINIMUM	CENTRE	MAXIMUM
EASTING:	8	8	8
NORTHING:	553000	555500	558000
OR: LATITUDE:	7677000	7680000	7683000
LONGITUDE:	69.19943	69.22583	69.25220
	133.66265	133.59786	133.53291

LOCATION:

GENERAL LOCATION

NAME :
NUMBER: TUKTOYAKTUK (MACKENZIE DELTA)
SCALE : FIGURE 1
FORMAT: 250000
ARCHIV: PAPER
DIG NO: IN REPORT
N/A

SITE PLAN

SOURCE 155 NORTH
FIGURE 2
1:50000
PAPER
IN REPORT
N/A

SOURCE NUMBER(S):
NEW SOURCE NUMBER(S) 155 NORTH
N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL
SCOPE: 1 MAIN SITE WITH SEVERAL SUB-SITES
LEVEL: DEVELOPMENT PLAN BASED ON EARLIER WORK
SIZE : 48BH (DRILLED HBT87TK)
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: WINTER
EQUIPMENT : CME 750 AUGER DRILL WITH 150 MM DIAMETER CRREL BARREL AND 150-200MM DIAMETER AUGERS
PENETRATION: 1.8-3.8-6.1M
RESOLUTION : GOOD

PROGRAM LENGTH: 13 DAYS (MARCH 14-26)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.0M AUGER DISTURBED SAMPLES TO CONTINUOUS CORE SAMPLES
QUALITY: GOOD
TYPE : DISTURBED, CORE
SIZE : 89 DIST.202 CORE (NORTH AND SOUTH)

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, BORROW QUANTITIES
REPORT : FORMAL DEVELOPMENT PLAN REPORT
DISTRIB: SPONSOR/CONTRACTOR
OTHER : HAL86TK.HBT86TK.HBT87TK1.HBT87TK2.HBT89TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR/GNWT- DPW LIBRARY - YELLOWKNIFE - BOX 522
DATA : CONTRACTOR (HBT - CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/26 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA88TK

MONTH: 9

YEAR: 1988

SPONSOR : BEAUDRIL (1987) LTD., NALLUK BASE, TUKTOYAKTUK
JOB NO : F.W.O. BD00288 CONTACT: G. SEABROOK

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.
JOB NO : 0101-4919 CONTACT: D.W. HAYLEY

REPORT TITLE: PROPOSED TAXIWAY AND APRON, TUKTOYAKTUK, N.W.T., OCTOBER, 1988

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	578100	578230	578360
NORTHING:	7702800	7703150	7703500
OR: LATITUDE:	69.40459	69.42768	69.43078
LONGITUDE:	133.00854	133.00494	133.00133

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: 4919-A-1
SCALE : 1:2000
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

NALLUK BASE TAXIWAY AND APRON
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE
LEVEL: STRATIGRAPHY
SIZE : 11BH, 1TP
SURVEY PATTERN: IRREGULAR
SURVEY SPACING: IRREGULAR
SEASON: FALL
EQUIPMENT : FOUNDEX HP 2000 DRILL RIG WITH CRREL BARREL
PENETRATION: 0.4-6.2-9.9M BH, 0.45M TP
RESOLUTION : GOOD

PROGRAM LENGTH: 4 DAYS (SEPT 16-19)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 0.5-1.5M
QUALITY: GOOD
TYPE : CORE, DISTURBED
SIZE : 34 CORE, 33 DIST

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY, SOIL PROPERTIES, FOUNDATION DESIGN
REPORT : FORMAL GEOTECHNICAL EVALUATION
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA ENGINEERING CONSULTANTS LTD. - EDMONTON)
DATA : CONTRACTOR (EBA - EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/04/24 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: TCL89TK

MONTH: 6

YEAR: 1989

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW

JOB NO : SC247774

CONTACT: MANFRED GERSCHACK

CONTRACTOR : THURBER ENGINEERING LTD. (THURBER CONSULTANTS LTD.)

JOB NO : 15-22-91

CONTACT: L.B. SMITH

REPORT TITLE: INSPECTION OF PILE INSTALLATIONS, NEW SCHOOL BUILDING, TUKTOYAKTUK, N.W.T.

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577410	577460	577510
NORTHING:	7704835	7704868	7704900
OR: LATITUDE:	69.44302	69.44331	69.44358
LONGITUDE:	133.02445	133.02314	133.02184

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: N/A
SCALE : 1:
FORMAT: N/A
ARCHIV: N/A
DIG NO: N/A

TUKTOYAKTUK - PILE LAYOUT, NEW SCHOOL
1
1:200
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL PILE INSTALLATION MONITORING

SCOPE: ONE SITE

LEVEL: CONFIRMATION OF SUBSURFACE CONDITIONS

SIZE : 168 PILE HOLES

SURVEY PATTERN: GRID

SURVEY SPACING: 3.0-6.5M

SEASON: SUMMER

EQUIPMENT : TEXOMA 500 AUGER DRILL, AIRTRACK DRILL WITH 165 MM DIAMETER BIT

PENETRATION: 5.9-12.9M

RESOLUTION : FAIR

PROGRAM LENGTH: 26 DAYS (MAY 22 - JUNE 16)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : NOT SAMPLED, JUST OBSERVED

QUALITY: FAIR

TYPE : DISTURBED

SIZE : N/A

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : STRATIGRAPHY

REPORT : FORMAL PILE OBSERVATION REPORT

DISTRIB: SPONSOR/CONTRACTOR

OTHER : TCL88TK

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (GNWT-DPW LIBRARY)

DATA : CONTRACTOR (TEL - YELLOWKNIFE OR CALGARY)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/04/25

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA91TK

MONTH: 8

YEAR: 1991

SPONSOR : NORTHWESTEL INC.

JOB NO : 3000-91-005

CONTACT: LEN GOVEAS

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 0201-10705

CONTACT: RICHARD TRIMBLE

REPORT TITLE: GEOTECHNICAL ENGINEERING REPORT, NORTHWESTEL'S MULTI-DEPARTMENTAL MOBILE RADIO AND DIGITAL MICROV
AND III, DEMPSTER HIGHWAY, YUKON/NWT, JANUARY, 1992

COORDINATES :

UTM:	ZONE:	MINIMUM	CENTRE	MAXIMUM
	EASTING:	8	8	8
	NORTHING:	580140	580200	580260
OR: LATITUDE:		7700425	7700488	7700550
LONGITUDE:		69.40270	69.40325	69.40378
		132.95858	132.95700	132.95542

LOCATION:

GENERAL LOCATION

SITE PLAN

NAME :

NUMBER: TUKTOYAKTUK

SCALE : FIGURE 1

FORMAT: 50000

ARCHIV: PAPER

DIG NO: IN REPORT

N/A

SOURCE NUMBER(S):

NEW SOURCE NUMBER(S): N/A

N

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL

SCOPE: ONE SITE - SITE SPECIFIC

LEVEL: DELINEATION

SIZE : 4BH

SURVEY PATTERN: TOWER FOUNDATION AND ANCHOR LOCATIONS

SURVEY SPACING: 70 m

SEASON: SUMMER

EQUIPMENT : GEOTEC 100 DRILL WITH CRREL CORING APPARATUS

PENETRATION: 14.2-14.8-15.0M

RESOLUTION : GOOD

PROGRAM LENGTH: 2 DAYS (AUG 8-9)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS CORE

QUALITY: GOOD

TYPE : CORE

SIZE : TESTED 33 CORE SAMPLE SECTIONS

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CLASSIFICATION TESTING, SOIL STRATIGRAPHY, FOUNDATION DESIGN PARAMETERS

REPORT : FORMAL GEOTECHNICAL

DISTRIB: SPONSOR/CONTRACTOR

OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : CONTRACTOR EBA WHITEHORSE (3167 - 3 AVENUE, EBA EDMONTON (14535 - 118 AVENUE)

DATA : CONTRACTOR EBA WHITEHORSE (3167 - 3 AVENUE)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/09

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: TEL92TK

MONTH: 2

YEAR: 1992

SPONSOR : GOVERNMENT OF NORTHWEST TERRITORIES - DPW

JOB NO : CONTACT:

CONTRACTOR : THURBER ENGINEERING LTD.

JOB NO : 15-22-166 CONTACT: GARRY HOLLINGSHEAD

REPORT TITLE: PROPOSED INUVIALUIT INTERPRETATION CENTRE, TUKTOYAKTUK, NT, GEOTECHNICAL INVESTIGATION

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	577080	577115	577150
NORTHING:	7705720	7705745	7705770
OR: LATITUDE:	69.45105	69.45127	69.45148
LONGITUDE:	133.03214	133.03122	133.03031

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK
NUMBER: DRAWING NO.1
SCALE : 1:
FORMAT: PAPER
ARCHIV: IN REPORT
DIG NO: N/A

INUVIALUIT INTERPRETATION CENTRE
DRAWING NO. 2
1:NOT TO SCALE
PAPER
IN REPORT
N/A

SOURCE NUMBER(S): N/A
NEW SOURCE NUMBER(S): N/A
SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL
SCOPE: ONE SITE, SITE SPECIFIC
LEVEL: DELINEATION
SIZE : 6BH
SURVEY PATTERN: IRREGULAR GRID
SURVEY SPACING: 12 TO 14m
SEASON: WINTER
EQUIPMENT : TEXOMA DRILL WITH 450 mm DIAMETER AUGERS
PENETRATION: 8.1-8.7-9.1M
RESOLUTION : FAIR

PROGRAM LENGTH: ONE DAY (FEB 11)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : 1 TO 1.5M
QUALITY: FAIR
TYPE : BULK DISTURBED
SIZE : 37 BULK

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : SOIL STRATIGRAPHY, FOUNDATION PARAMETERS
REPORT : FORMAL GEOTECHNICAL
DISTRIB: SPONSOR/CONTRACTOR
OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (THURBER ENGINEERING LTD. YELLOWKNIFE, GNWT - ED & T INUVIK)
DATA : THURBER ENGINEERING LTD. YELLOWKNIFE

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/09 COMPILATION PROJECT NO.: 0701-11424
UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.
DATE : 94/05/27 UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: EBA93MV

MONTH: 3

YEAR: 1993

SPONSOR : GEOLOGICAL SURVEY OF CANADA

JOB NO : 32SS23397-21438

CONTACT: J.A. HEGINBOTTOM

CONTRACTOR : EBA ENGINEERING CONSULTANTS LTD.

JOB NO : 0101-11148

CONTACT: D.W. HAYLEY

REPORT TITLE: CORRECTIONS AND ADDITIONS TO ESEBASE, MACKENZIE VALLEY GEOTECHNICAL DATABASES, PHASES I AND II, MAR

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

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : MACKENZIE VALLEY, NORTHWEST TERRITORIES

NUMBER: N/A

SCALE : 1:

FORMAT: N/A

ARCHIV: N/A

DIG NO: N/A

N/A
N/A
1:N/A
N/A
N/A
N/A

SOURCE NUMBER(S): NUMEROUS

NEW SOURCE NUMBER(S): NUMEROUS

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL, GEOLOGICAL

SCOPE: NUMEROUS SITES

LEVEL: CORRECTIONS AND ADDITIONS TO EXISTING DATABASES

SIZE : 11447 BH

SURVEY PATTERN: N/A

SURVEY SPACING: N/A

SEASON: N/A

EQUIPMENT : N/A

PENETRATION: N/A

RESOLUTION : N/A

PROGRAM LENGTH: 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 : MODIFIED TO ESEBASE V.4.0, ADDED SEVERAL FIELDS, ENHANCED COMPATIBILITY WITH OTHER DATABASES

REPORT : FORMAL SUMMARY REPORT WITH DISK COPIES

DISTRIB: SPONSOR/CONTRACTOR,

OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR (EBA - CALGARY, EDMONTON, YELLOWKNIFE, WHITEHORSE)

DATA : SPONSOR/CONTRACTOR (EBA - EDMONTON)

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/30

UPDATE PROJECT NO.: 0701-11424

TUKTOYAKTUK, N.W.T.
GEOLOGICAL SURVEY OF CANADA
CATALOGUE OF GEOTECHNICAL DATA

STUDY NUMBER: TEL94TK

MONTH: 3

YEAR: 1994

SPONSOR : PUBLIC WORKS CANADA

JOB NO :

CONTACT: ED POHRANYCHNY

CONTRACTOR : THURBER ENGINEERING LTD.

JOB NO : 16-4-93

CONTACT: GARRY HOLLINGSHEAD

REPORT TITLE: ADFREEZE PIPE PILE RECORDS FOR TUKTOYAKTUK RCMP DETACHMENT BUILDING AND GARAGE

COORDINATES :	MINIMUM	CENTRE	MAXIMUM
UTM: ZONE:	8	8	8
EASTING:	576820	576860	576900
NORTHING:	7704960	7705000	7705040
OR: LATITUDE:	69.44431	69.44466	69.44501
LONGITUDE:	133.03939	133.03845	133.03729

LOCATION: GENERAL LOCATION

SITE PLAN

NAME : TUKTOYAKTUK

NUMBER: N/A

SCALE : 1:

FORMAT: N/A

ARCHIV: N/A

DIG NO: N/A

TUKTOYAKTUK, NEW RCMP BUILDINGS

N/A

1:N/A

N/A

N/A

N/A

SOURCE NUMBER(S): N/A

NEW SOURCE NUMBER(S): N/A

SURVEY LINES / LOCATION DETAILS: N/A

DESCRIPTION OF STUDY AND SURVEY DETAILS:

TYPE : GEOTECHNICAL FOUNDATION INSTALLATION

SCOPE: 2 BUILDINGS (DETACHMENT BUILDING AND GARAGE)

LEVEL: DELINEATION

SIZE : 11 PILE HOLES

SURVEY PATTERN: GRID

SURVEY SPACING: N/A

SEASON: WINTER

EQUIPMENT : TEXOMA 8-35 DRILL WITH 300 mm DIAMETER AUGERS

PENETRATION: 10.0-10.1-10.23M

RESOLUTION : POOR TO GOOD

PROGRAM LENGTH: 3 DAYS (MARCH 28-30)

INFORMATION ON SAMPLES OR SURVEY RECORDS:

RATE : CONTINUOUS MONITORING OF PILE HOLE CUTTINGS

QUALITY: FAIR

TYPE : BULK DISTURBED

SIZE : NO SAMPLES TAKEN FOR TESTING

LEVEL OF DETAIL: INTERPRETATION/ANALYSIS/REPORTING:

INTERP : CONFIRMATION OF SOIL TYPE AND DEPTH FOR PILE INSTALLATION

REPORT : PILE INSTALLATION LOGS (NOT KNOWN IF A FORMAL SUMMARY REPORT EXISTS YET)

DISTRIB: SPONSOR/CONTRACTOR

OTHER : N/A

ARCHIVING OF INFORMATION:

REPORT : SPONSOR/CONTRACTOR

DATA : THURBER ENGINEERING LTD. YELLOWKNIFE

DATA COMPILATION AND UPDATING:

COMPILED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/09

COMPILATION PROJECT NO.: 0701-11424

UPDATED BY: EBA ENGINEERING CONSULTANTS LTD.

DATE : 94/05/27

UPDATE PROJECT NO.: 0701-11424

APPENDIX B

BOREHOLE DATABASE SAMPLE LOG AND USC DESCRIPTIONS

SPONSOR: NORTHWESTEL INC.				NTS MAP NO: 107 C B W				BOREHOLE NO: 10705TK1			
CONTRACTOR: EBA ENGINEERING CONSULTANTS LTD.				UTM ZONE: 8 N7700493 E580215				Project No: 0201-10705			
GENETIC:				STUDY NO: EBA91TK				ELEVATION: 15.00 (m)			
SAMPLE TYPE				☒ Split Spoon ☒ Shelby Tube ☒ Core ☐ Unspecified ☐ Cuttings ☐ Hammer							

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SPT(N)	USC	SOIL SYMBOL	SOIL DESCRIPTION	PERCENT SAND			PERCENT GRAVEL			MAXIMUM DENSITY (kg/m ³)	OPTIMUM MOISTURE (%)	ICE CONTENT (%)	EXCESS ICE CONTENT (%)	Permafrost Description	DEPTH (m)
							20	40	60	80	20	40						
0.0					PT	PEAT—fine fibrous; moist; soft; brown —stratified and randomly oriented ice lenses 2 to 3 mm thick									10		Active Layer Not Frozen	0.0
1.0	X	1			ML-IC	SILT—some clay; grey —randomly oriented ice lenses to 10 mm thick; clear ice with some air bubbles throughout —ice decreases with depth —with organic fibres disseminated throughout									70		Permafrost Vs, Vr 10% Vr 70%, clear ice Vr 40 to 50%	1.0
2.0	X	2													10		Vr <10% Nbe, occasional Vx inclusions	2.0
3.0	X	3			ML	SILT—sandy to some silt; with coarse grained sand particles disseminated throughout; grey									40		Vr, Vx 40% >90% ice	3.0
4.0	X	4													90			4.0
5.0	X	5			ICE	ICE AND SILT—with thin vertical soil inclusions									90		>90% ice	5.0
6.0	X	6													95		>95% ice	6.0
7.0	X	7													95		>95% ice	7.0
8.0	X	8													90		>90% ice	8.0
9.0	X	9																9.0
10.0						END OF BOREHOLE 6.1 m												10.0

Mackenzie Valley Geotechnical Data Bank				LOGGED BY: CRH PROJECT ENGINEER: JRT Fig. No:				COMPLETION DEPTH: 6.1 m COMPLETE: 91/08/08 Page 1 of 1			
--	--	--	--	---	--	--	--	--	--	--	--

UNIFIED SOIL CLASSIFICATION†

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES	CLASSIFICATION CRITERIA				
COARSE-GRAINED SOILS More than 50% retained on No. 200 sieve*	GRAVELS 50% or more of coarse fraction retained on No. 4 sieve	CLEAN GRAVELS	GW	Well-graded gravels and gravel-sand mixtures, little or no fines	Classification on basis of percentage of fines GW, GP, SW, SP GM, GC, SM, SC Borderline classification requiring use of dual symbols	$C_u = D_{60}/D_{10}$ Greater than 4 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3			
			GP	Poorly-graded gravels and gravel-sand mixtures, little or no fines		Not meeting both criteria for GW			
		GRAVELS WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures		Atterberg limits plot below 'A' line or plasticity index less than 4	Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols		
			GC	Clayey gravels, gravel-sand clay mixtures		Atterberg limits plot above 'A' line and plasticity index greater than 7			
	SANDS More than 50% of coarse fraction passes No. 4 sieve	CLEAN SANDS	SW	Well-graded sands and gravelly sands, little or no fines		$C_u = D_{60}/D_{10}$ Greater than 6 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3			
			SP	Poorly-graded sands and gravelly sands, little or no fines		Not meeting both criteria for SW			
		SANDS WITH FINES	SM	Silty sands, sand-silt mixtures		Atterberg limits plot below 'A' line or plasticity index less than 4	Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols		
			SC	Clayey sands, sand-clay mixtures		Atterberg limits plot above 'A' line and plasticity index greater than 7			
		FINE-GRAINED SOILS 50% or more passes No. 200 sieve*	SILTS AND CLAYS Liquid limit 50% or less	ML		Inorganic silts, very fine sands, rock flour, silty or clayey fine sands	PLASTICITY CHART For classification of fine-grained soils and fine fraction of coarse-grained soils Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols Equation of 'A' line: $PI = 0.73(LL - 20)$		
				CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays			
OL	Organic silts and organic silty clays of low plasticity								
SILTS AND CLAYS Liquid limit greater than 50%	MH		Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts						
	CH		Inorganic clay of high plasticity, fat clays						
	OH		Organic clays of medium to high plasticity						
	HIGHLY ORGANIC SOILS		PT	Peat, muck and other highly organic soils	*Based on the material passing the 3 in. (75 mm) sieve †ASTM Designation D 2487, for identification procedure see D 2488				

GROUND ICE DESCRIPTION

ICE NOT VISIBLE

GROUP SYMBOLS	SYMBOLS	SUBGROUP DESCRIPTION	
N	Nf	Poorly-bonded or friable	
	Nbn	No excess ice, well-bonded	
	Nbe	Excess ice, well-bonded	

NOTE:

- Dual symbols are used to indicate borderline or mixed ice classifications
- Visual estimates of ice contents indicated on borehole logs $\pm 5\%$
- This system of ground ice description has been modified from NRC Technical Memo 79, Guide to the Field Description of Permafrost for Engineering Purposes

LEGEND

Soil Ice

VISIBLE ICE LESS THAN 50% BY VOLUME

GROUP SYMBOLS	SYMBOLS	SUBGROUP DESCRIPTION	
V	Vx	Individual ice crystals or inclusions	
	Vc	Ice coatings on particles	
	Vr	Random or irregularly oriented ice formations	
	Vs	Stratified or distinctly oriented ice formations	

VISIBLE ICE GREATER THAN 50% BY VOLUME

ICE	ICE + Soil Type	Ice with soil inclusions	
	ICE	Ice without soil inclusions (greater than 25 mm (1 in.) thick)	

TERMS USED ON BOREHOLE LOGS

TERMS DESCRIBING CONSISTENCY OR CONDITION

COARSE GRAINED SOILS (major portion retained on 0.075mm sieve): includes (1) clean gravels and sands, and (2) silty or clayey gravels and sands. Condition is rated according to relative density, as inferred from laboratory or in situ tests.

DESCRIPTIVE TERM	RELATIVE DENSITY	N (blows per 0.3m)
Very Loose	0 to 20%	0 to 4
Loose	20 to 40%	4 to 10
Compact	40 to 75%	10 to 30
Dense	75 to 90%	30 to 50
Very Dense	90 to 100%	greater than 50

The number of blows, N, on a 51mm O.D. split spoon sampler of a 63.5kg weight falling 0.76m, required to drive the sampler a distance of 0.3m from 0.15m to 0.45m.

FINE GRAINED SOILS (major portion passing 0.075mm sieve): Includes (1) inorganic and organic silts and clays, (2) gravelly, sandy, or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength, as estimated from laboratory or in situ tests.

DESCRIPTIVE TERM	UNCONFINED COMPRESSIVE STRENGTH (kPa)
Very Soft	Less Than 25
Soft	25 to 50
Firm	50 to 100
Stiff	100 to 200
Very Stiff	200 to 400
Hard	Greater Than 400

NOTE: Slickensided and fissured clays may have lower unconfined compressive strengths than shown above, because of planes of weakness or cracks in the soil.

GENERAL DESCRIPTIVE TERMS

Slickensided	- having inclined planes of weakness that are slick and glossy in appearance.
Fissured	- containing shrinkage cracks, frequently filled with fine sand or silt; usually more or less vertical.
Laminated	- composed of thin layers of varying colour and texture.
Interbedded	- composed of alternate layers of different soil types.
Calcareous	- containing appreciable quantities of calcium carbonate.
Well Graded	- having wide range in grain sizes and substantial amounts of intermediate particle sizes.
Poorly graded	- predominantly of one grain size, or having a range of sizes with some intermediate size missing.



ROCK DESCRIPTION TERMS USED ON BOREHOLE LOGS

ESTIMATED MECHANICAL STRENGTH

TERM	UNCONFINED COMPRESSIVE STRENGTH
Very Low Strength	1 to 4 MPa
Low Strength	4 to 15 MPa
Medium Strength	15 to 50 MPa
High Strength	50 to 200 MPa
Very High Strength	More than 200 MPa

GRAIN SIZE

NON-CARBONATE DETRITAL SEDIMENTARY ROCKS

Conglomerate or Breccia
Conglomerate or Breccia
Sandstone¹

FISSILE	NON-FISSILE
Silt Shale	Siltstone
Mud Shale	Mudstone
Clay Shale	Claystone

OTHER ROCKS

Very Coarse Grained
Coarse Grained
Medium Grained

GRAIN SIZE

More than 80 mm
4 to 80 mm
80 µm to 4 mm

Fine Grained
Fine Grained
Very Fine Grained

>2/3 silt-sized (2 to 80 µm)
silt and clay-sized (<80 µm)
>2/3 clay-sized (<2 µm)

¹ Sandstone further subdivided where appropriate into fine, medium, coarse

DISCONTINUITY SPACING

BEDDING

Very thickly Bedded
Thickly Bedded
Medium Bedded
Thinly Bedded
Very Thinly Bedded
Laminated
Thinly Laminated
Fissile

OTHER DISCONTINUITIES

Very Widely Spaced
Widely Spaced
Moderately Widely Spaced
Closely Spaced
Very Closely Spaced
Extremely Closely Spaced
Extremely Closely Spaced
Extremely Closely Spaced

SPACING

More than 2 m
600 mm to 2 m
200 to 600 mm
60 to 200 mm
20 to 60 mm
6 to 20 mm
2 to 6 mm
Less than 2 mm

WEATHERED STATE

TERM

Fresh
Slightly Weathered
Moderately Weathered
Highly Weathered
Completely Weathered
Residual Soil

DEGREE

No visible signs of weathering
Weathering only on open discontinuity surfaces
Rock mass weathered but not friable
Rock mass weathered and partly friable
Wholly decomposed but texture and structure preserved
Original rock texture and structure destroyed

CORE RECOVERY

TERM

Total Core Recovery
Solid Recovery
Rock Quality Designation (RQD)
Fracture Index (FI)

DESCRIPTION

Total recovery expressed as a percentage of run length
Solid recovery expressed as a percentage of run length
Sum of lengths of solid core more than 100 mm long
expressed as a percentage of run length
Number of breaks per metre of solid core (FI's in excess
of 30 denoted as 30+)

ROCK QUALITY

TERM	RQD
Very Poor Quality	0 to 25
Poor Quality	25 to 50
Fair Quality	50 to 75
Good Quality	75 to 90
Excellent Quality	90 to 100

SYSTEM INTERNATIONAL UNITS

QUANTITY	NAME	SYMBOL	EXPRESSED IN TERMS OF OTHER SI UNITS	EXPRESSED IN TERMS OF BASE AND SUPPLEMENTARY UNITS
SI UNITS				
length	metre	m		
mass	kilogram	kg		
time	second	s		
electric current	ampere	A		
thermodynamic temperature	kelvin	K		
amount of substance	mole	mol		
luminous intensity	candela	cd		
SI SUPPLEMENTARY UNITS				
plane angle	radian	rad		
solid angle	steradian	sr		
EXAMPLES OF SI DERIVED UNITS WITH SPECIAL NAMES				
frequency	hertz	Hz	1/s	s^{-1}
force	newton	N	$m \cdot kg/s^2$	$m \cdot kg \cdot s^{-2}$
pressure, stress	pascal	Pa	N/m^2	$m^{-1} \cdot kg \cdot s^{-2}$
energy, work, quantity of heat	joule	J	$N \cdot m$	$m^2 \cdot kg \cdot s^{-2}$
power, radiant flux	watt	W	J/s	$m^2 \cdot kg \cdot s^{-3}$
EXAMPLES OF SI DERIVED UNITS WITHOUT SPECIAL NAMES				
velocity - linear	metre per second			$m \cdot s^{-1}$
acceleration - linear	(radian per second) per second		m/s^2	$rad \cdot s^{-1}$
concentration (of amount of substance)	(metre per second) per second		m/s^2	$m \cdot s^{-2}$
dynamic viscosity	(radian per second) per second		rad/s^2	$rad \cdot s^{-2}$
moment of force	mole per cubic metre		mol/m^3	$mol \cdot m^{-3}$
surface tension	pascal second		$Pa \cdot s$	$m^{-1} \cdot kg \cdot s^{-1}$
heat flux density, irradiance	newton metre		$N \cdot m$	$m^2 \cdot kg \cdot s^{-2}$
heat capacity, entropy	newton per metre		N/m	$kg \cdot s^{-2}$
specific heat capacity, specific entropy	watt per square metre		W/m^2	$kg \cdot s^{-3}$
specific energy	joule per kelvin		J/K	$m^2 \cdot s^{-2} \cdot K^{-1}$
thermal conductivity	joule per kilogram kelvin		$J/(kg \cdot K)$	$m^2 \cdot s^{-2} \cdot K^{-1}$
	joule per kilogram		J/kg	$m^2 \cdot s^{-2}$
	watt per metre kelvin		$W/(m \cdot K)$	$m \cdot kg \cdot s^{-3} \cdot K^{-1}$

OTHER UNITS PERMITTED FOR USE WITH SI

QUANTITY	NAME	SYMBOL	DEFINITION
time	minute	min	1 min = 60 s
	hour	h	1 h = 3,600 s
	day	d	1 d = 86,400 s
	year	a	
plane angle	degree	°	1° = (°/180) rad
	minute	'	1' = (°/10,800) rad
area	hectare	ha	1 ha = 10,000 m ²
volume	litre	L	1,000 L = 1 m ³
temperature	degree Celsius	°C	0° C = 273.15° K
mass	tonne	t	temperature interval 1°C = 1 K 1 t = 1,000 kg = 1 Mg

MULTIPLYING FACTOR	PREFIX	SYMBOL	MULTIPLYING FACTOR	PREFIX	SYMBOL
1,000,000,000,000,000,000 = 10 ¹⁸	exa	E	0.1 = 10 ⁻¹	deci*	d
1,000,000,000,000,000 = 10 ¹⁵	peta	P	0.01 = 10 ⁻²	centi*	c
1,000,000,000,000 = 10 ¹²	tetra	T	0.001 = 10 ⁻³	milli	m
1,000,000,000 = 10 ⁹	giga	G	0.000,001 = 10 ⁻⁶	micro	μ
1,000,000 = 10 ⁶	mega	M	0.000,000,001 = 10 ⁻⁹	nano	n
1,000 = 10 ³	kilo	k	0.000,000,000,001 = 10 ⁻¹²	pico	p
100 = 10 ²	hecto*	h	0.000,000,000,000,001 = 10 ⁻¹⁵	femto	f
10 = 10 ¹	deca*	da	0.000,000,000,000,000,001 = 10 ⁻¹⁸	atto	a

* to be avoided where possible

SYSTEM INTERNATIONAL CONVERSIONS

AREA		
1 km ²	= 3.861 x 10 ⁻¹ mi ²	1 km ² = 100 hectares
1 km ²	= 2.471 x 10 ⁻² acre	
1 m ²	= 1.196 yd ²	
1 m ²	= 1.076 x 10 ⁻¹ ft ²	
1 mm ²	= 1.550 x 10 ⁻³ in ²	see note 1
DENSITY		
1 Mg/m ³	= 6.243 x 10 ⁻¹ lb _m /ft ³	see note 2
1 kg/m ³	= 6.243 x 10 ⁻² lb _m /ft ³	
FORCE		
1 N	= 2.248 x 10 ⁻¹ lb _f	
HEAT ENERGY (E)		
1 kJ	= 9.478 x 10 ⁻¹ BTU (IST)	1 BTU = 252 cal
1 J	= 2.388 x 10 ⁻¹ cal (IST)	
HEAT FLUX (Q)		
1 W/m ²	= 3.170 x 10 ⁻¹ BTU/(ft ² · hr)	
SPECIFIC HEAT CAPACITY (c)		
1 kJ/(kg · °C)	= 2.388 x 10 ⁻¹ BTU/(lb _m · °F)	
THERMAL CONDUCTIVITY (k)		
W/(m · °C)	= 5.778 x 10 ⁻¹ BTU/(ft · hr · °F)	
COEFFICIENT OF HEAT TRANSFER (c_h)		
1 W/(m ² · °C)	= 1.761 x 10 ⁻¹ BTU/(ft ² · hr · °F)	see note 3
LENGTH		
1 km	= 6.214 x 10 ⁻¹ mi (statute)	
1 m	= 1.094 yd	
1 m	= 3.281 ft	
1 mm	= 3.937 x 10 ⁻² in	
MASS		
1 Mg	= 1.102 T	1 T = 2000 lb _m
1 Mg	= 2.205 x 10 ³ lb _m	Mg is equivalent to tonne
1 kg	= 2.205 lb _m	
POWER		
1 W	= 1.341 x 10 ⁻³ HP	1 HP = 550 ft · lb _f /s

PRESSURE, STRESS or ELASTIC MODULI		
1 MPa	= 1.044 x 10 ⁻¹ T _f /ft ² [TSF]	see note 4
1 kPa	= 1.044 x 10 ⁻² T _f /ft ² [TSF]	
1 kPa	= 1.450 x 10 ⁻¹ lb _f /in ² [psi]	
1 kPa	= 3.346 x 10 ⁻¹ ft of water	hydrostatic pressure of water at 1 ft. depth
1 Pa	= 2.089 x 10 ⁻² lb _f /ft ² [psf]	
TEMPERATURE		
C	= (F - 32)/1.8	0 °C = 273.15 K
C	= 1.8 F	1 °C = 1 K
TIME		
1 Ms	= 3.171 x 10 ⁻² yr	for one year equal to 365 days
1 ks	= 1.157 x 10 ⁻² day	
1 s	= 3.171 x 10 ⁻⁴ yr	
VISCOSITY		
DYNAMIC (η)		
1 Pa · s	= 1.000 x 10 ⁻³ centipoise	
KINEMATIC (ν)		
1 mm ² /s	= 1.000 centistoke	
VOLUME		
1 m ³	= 8.107 x 10 ⁻⁴ acre · ft	
1 m ³	= 1.308 yd ³	
1 m ³	= 3.531 x 10 ⁻¹ ft ³	
1 m ³	= 2.200 x 10 ⁻² gal (Imperial)	1 m ³ = 1000 L
1 cm ³	= 3.520 x 10 ⁻² fl oz	see note 1
1 cm ³	= 6.102 x 10 ⁻² in ³	
VOLUME RATE OF FLOW		
1 m ³ /s	= 1.901 x 10 ⁻¹ mgpd (Imperial)	
1 m ³ /s	= 3.531 x 10 ⁻¹ ft ³ /s	
COEFFICIENTS		
VOLUME COMPRESSIBILITY OR SWELLING (m_v or m_s)		
1 m ² /MN	= 9.579 x 10 ⁻² ft ² /T _f	
CONSOLIDATION OR SWELLING (c_v or c_s)		
1 m ² /yr	= 1.076 x 10 ⁻¹ ft ² /yr	
1 m ² /yr	= 2.949 x 10 ⁻² ft ² /day	
1 m ² /yr	= 3.171 x 10 ⁻⁴ cm ² /s	
HYDRAULIC CONDUCTIVITY (k)		
1 m/s	= 2.835 x 10 ⁻⁵ ft/day	see note 5

NOTES

1 The use of cm² and cm³ for area and volume is permissible.

2 To convert mass density (ρ) to weight per unit volume use

$$F = m \cdot g$$

$$\text{i.e. } \rho \text{ Mg/m}^3 \times 9.807 \text{ m/s}^2 = 9.807 \frac{\text{Mg} \cdot \text{m}}{\text{s}^2 \cdot \text{m}^3} = 9.807 \frac{\text{kN}}{\text{m}^3}$$

kg_f/m³ is not a valid SI density unit.

3 The inverse of the 'coefficient of heat transfer' is 'thermal resistance' or the 'R' value

4 kg_f/m² is not a valid SI stress unit

5 Hydraulic conductivity is a proportionality coefficient defined in

$$\text{Darcy's Law } v = k \frac{dh}{ds} \text{ where } v = \text{velocity of flow}$$

$$\frac{dh}{ds} = \text{hydraulic gradient}$$

6 All conversion factors have been rounded to four significant figures

APPENDIX C

DISKETTES AND INSTALLATION INSTRUCTIONS

The report catalogue database and ESEBase files have been stored on 2 diskettes using a compressed format (using MWBACKUP, ZIP2EXE, and PKZIP). These files will need at least 4.45 MBytes after expansion, and an additional 0.64 MBytes for the index files which will be created by the program. To restore the files onto a hard drive (for example, C:\), follow these steps:

1. Start MicroSoft Backup for Windows.
2. Retrieve the catalog for the backup from the last disk of the backup set. The catalog file is called "CC40615A".
3. Restore the backup set. This restores the executable files created from the pkzip and zip2exe backup operation. The files restored are:

c:\tuktuk.bat	
c:\tuktoyak\reports.exe	(report catalog)
c:\esebase\tuk94inc\tuk94inc.exe	(borehole logs from "INAC" database)
c:\esebase\tuk94mac\tuk94mac.exe	(logs from "MACKENZI" database)
c:\esebase\tuk94new\tuk94new.exe	(new borehole logs)
c:\esebeau\esebeau.exe	(Beaufort Sea ESEBase program)
c:\esebeau\drivers\esedriv.exe	(drivers)
c:\esebeau\demo\esedemo.exe	(demo database)
c:\esebeau\newbase\esenew.exe	(newbase database)
c:\esebeau\tuk94bft\tuk94bft.exe	(Beaufort Sea borehole logs)

Exit from the backup program.

4. To expand the compressed files, use the Windows program manager to run file "c:\tuktuk.bat". This will run the executable files, expanding the program and database files, and deleting each executable file upon completion.
5. In Windows, the user should ensure that an icon is set up for both versions of ESEBase (Mackenzie and Beaufort Sea). After the files are expanded, ESEBase can be started. The borehole databases will be reindexed the first time they are used. DBase IV can be used to view and edit the report catalogue in directory "tuktoyak". The "TUK94IN" database is sorted in order of year, month, and study number. R&R XBase can be used to print entries or a summary.
6. The following page shows a directory listing of the program, database, and index files created. (The printout also shows the executable and batch files.)