

**DIGITIZATION OF GRANULAR RESOURCE DATA:
INUVIALUIT SETTLEMENT AREA**

Contract 87-0138

May 1988

**Inuvialuit Development Corporation
Inuvik, NWT**



Final Report

DIGITIZATION OF GRANULAR RESOURCE DATA:
INUVIALUIT SETTLEMENT AREA

Contract No. 87-0138

May 1988

Prepared For:

Government of Canada
Department of Indian Affairs and Northern Development

Prepared By:

Inuvialuit Development Corporation
Inuvik, NWT

Table of Contents

Introduction	1
Scope of the Work	1
Granular Resource and Deposit Information	2
Spatial Deposit Information	6
Appendix I	9
Appendix II	13

This report details the work accomplished on Contract 87-0138.

SCOPE OF THE WORK

The terms of reference are:

- 1) review, summarize and check all available granular resource information for Inuvialuit and adjacent lands
- 2) compile using dBase III software, a granular database, which summarizes the non-graphic, geological and geotechnical information pertaining to granular deposits for the subject areas, in a standardized format which can be linked to the spatial database
- 3) prepare a loaded computerized spatial database on the ILA/PAMAP GIS which is linked to the descriptive resource deposit database and transferrable to the Department's database system
- 4) provide a series of computer-generated maps displaying the location of all granular resource deposits in the database and a series of appropriate query routines
- 5) prepare a report describing the work undertaken and the results of this study.

GRANULAR RESOURCE AND DEPOSIT INFORMATION

The granular information is in dBase III+ format and it is assumed that the user is at least familiar with its use. A menu-driven, user friendly program will be developed by ILA as, on the whole, their personnel are not familiar with dBase or any other database system. This will allow them to access, modify and update the database without having to learn dBase III. Their intention is also to develop query routines based on a combination of total volume, class of material and distance from a community from values provided by the user.

The database for this study consists of three parts:

- 1) IGRANCAT.DBF- catalogue of granular resource related field activities (as per Contract 87-0138 Attachment A)
- 2) IGRANDEP.DBF- northern granular resource deposit database (as per Contract 87-0138 Attachment B)
- 3) the exported information on the digitized deposits from the ILA/PAMAP GIS- named by Mapname and levelnumber and contains STUDY_NO and SOURCE_NO.

All three portions of the database are related by STUDY_NO with the last two related as well by SOURCE_NO. Currently the parts of the database are not indexed, although, ILA will likely index first by STUDY_NO and then by SOURCE_NO.

During a visit to Bob Gowan in early March, he provided the structure for both Attachment A and Attachment B databases. Changes have been made to the original structures of both but only in the length of some of the

variables. There was not sufficient time to review and revise in detail the format of either database. The structures of IGRANCAT and IGRANDEP are listed in Appendix I.

A list of the reports entered into the database is given in Appendix II. This covers the Inuvialuit Settlement Region and includes the majority of reports listed in the reference section of EBA Engineering 1987 Inuvialuit Sand & Gravel Inventory.

A system was devised to provide unique numbers for each report. For example: I77H-MS

I: Inuvialuit Settlement Region

77: year of the report

H: contractors Initials (eg. H=Hardy)

MS: alphanumeric indicating area, zone, number of sites or source (eg. MS=Many Sites).

In this way it was easier and required less space to cross-reference the sources in IGRANDEP. The number is given after each reference in Appendix II.

Because there are very few numeric or standardized alphanumeric variables, it is difficult to develop query routines for this database without involved programming. a few simple routines have been developed. For IGRANDEP, the first, and most obvious one, is related to the total volume. DP_VOLUM selects those sources with a volume greater than or equal to 500,000 m³.

Another series is based on the class of the granular material and on whether or not there is any data in a

particular class variable. DPCLASS1 selects those sources containing class 1 materials, DPCLASS2 those containing class 2 materials, DPCLASS3 those containing class 3 materials and DPCLASS4 those containing class 4 and 5 materials.

Remember that the effects of query routines are cumulative until another "USE" command is issued.

Other possible routines could be based on the granular type or location (latitude/longitude, UTM) variables. Any queries based on distances must first convert alphanumeric variables to numbers. This is especially involved when working with latitudes and longitudes which consist of 3 numeric portions separated by "-" followed by a letter designator. Each numeric portion would have to be broken out and stored. A program to determine the deposits within a given radius of a community will be developed as soon as possible.

No queries have been developed for IGRANCAT.

Once you have used a query to select a portion of the database, you can use a report file to print a copy of selected variables. Because of time constraints, none of the query or report formats developed are complex. Also, ILA does not possess an external report generator for dBase III.

Report files for IGRANCAT:

STUDY: brief information from the study catalogue-
STUDY_NO, YEAR, CONTRACTOR, STUDY_SCOP,
REPORT_LEVEL

ST_DESCR: description of the study- STUDY_NO,
STUDY_TYPE, STUDY_SCOP, SURV_LEVEL,
STUDY_SIZE, SEASON, EQUIP_TYPE.

Report files for IGRANDEP:

DEPOSIT: brief information on the tenure and status of
the deposit- STUDY_NO, SOURCE_NO, LND_TENURE,
STATUS.

DP_LOC: location coordinates for the centre of the
deposit- STUDY_NO, SOURCE_NO, NTS_REF, LAT,
LONG, UTM_EAST, NORTHING, AREA, TOTAL_VOLU.

DP_SITE: description of surroundings- STUDY_NO,
SOURCE_NO, TOPOGRAPHY, SLOPE, VEGETATION,
GENERIC_OR, LANDFORM.

DP_STRAT: stratigraphy of the deposit- STUDY_NO,
SOURCE_NO, OVRBURD_TP, OVRBURD_TH, GRANULR_TP,
GRANULR_TH, UNDRBUR_TP.

DP_ACCES: description of access to the deposit-
STUDY_NO, SOURCE_NO, COR_NO_NAM, KILO_POST,
OFST_DS_DR, AREA, ACCESS, DISTANCE, CONDITION.

DP_REFER: reference list for the deposit- STUDY_NO,
SOURCE_NO, X_REF.

DP_CLASS: amounts of the various classes of materials-
STUDY_NO, SOURCE_NO, AREA, CLASS_1, CLASS_2,
CLASS_3, CLASS_4, CLASS_5, TOTAL_VOLU.

All but 2 of these formats (DEPOSIT and DP_LOC) require paper wider than 8 1/2" to print the selected portion of the record or the use of compressed pitch if it is available on the printer. A number of view files have been developed to look at (and print) certain combinations of variables. To keep things organized, view and report files which use the same variables have the same names.

Three copies of IGRANCAT.DBF and IGRANDEP.DBF and their related files on 1.2 Mb floppy disks are submitted. Also, fifteen printed copies of selected portions of the database.

SPATIAL DEPOSIT INFORMATION

Digitization of the spatial database has been completed for the mainland, Banks Island and Victoria Island. Because some of the mainland deposits are described in more than one report, there exist duplicate spatial records. The most recent deposit descriptions are on one level, level 5, with earlier descriptions on another, level 7. If necessary, a third description is on level 11. The ILA/PAMAP GIS is capable of handling them

individually or as a composite. The spatial database exists as 4 maps:

- 1) Delta mainland Map Name- GRANULAR
 SW Corner- 68°N 138°W
 NE corner- 70°N 132°W
- 2) Paulatuk Map Name- PAULGRAN
 SW Corner- 69°N 125°W
 NE corner- 69°45' N 123°W
- 3) Sachs Harbour Map Name- SCHSGRAN
 SW Corner- 71°N 126°W
 NE corner- 72°15' N 124°W
- 4) Holman Map Name- HLMNGRAN
 SW Corner- 70°15' N 119°W
 NE corner- 71°N 117°W

Each deposit has a unique PAMAP GIS 'polytag' identifier as well as a STUDY_NO/SOURCE_NO combination. This information can be exported from the GIS to dBASE III+, accessed by a filename consisting of map_name_level_number and related to IGRANCAT and IGRANDEP.

The spatial information is in PAMAP GIS format which can easily be converted to ARC/Info or INTERGRAPH format. A copy of the maps on 1.2 Mb floppy disk is submitted. If necessary, ILA will have PAMAP in Victoria convert them to a format usable by DIAND.

Unfortunately there has been insufficient time to discuss with Departmental representatives the specifics of the scales and contents of the maps they want provided. A series of maps showing the deposits of each area at 1:250,000 scale are submitted.

The deposit information has been merged with the base map of the area to verify the accuracy of the digitizing and its correspondence with the maps in EBA Engineering 1987. For ILA use, a map at scale 1:500,000 will be printed which includes most of the mainland deposits within the Inuvialuit Settlement Region. Again, the development of a menu-driven system by ILA will allow them to plot maps at user provided scales and contents. The ILA digitizer will be attending a course at PAMAP in mid-June and will determine how to plot the deposits directly onto 1:250,000 scale NTS mapsheets, and perhaps 1:50,000 NTS.

IDC / ILA

APPENDIX 1
DATABASE STRUCTURES

APPENDIX I

1) STRUCTURE OF IGRANCAT.DBF

<u>Field Name</u>	<u>Type</u>	<u>Width</u>
STUDY_NO*	Character	10
YEAR	Character	4
SPONSOR	Character	40
CONTACT	Character	20
CONTRACTOR	Character	40
LOCATION	Character	25
MIN_ZONE	Character	2
MIN_EAST	Character	6
MIN_NORTH	Character	7
MAX_ZONE	Character	2
MAX_EAST	Character	6
MAX_NORTH	Character	7
LOC_MAP_NO	Character	12
LOC_MAP_FM*	Character	30
LOC_MAP_SC	Character	7
MAP_DIG_NO	Character	5
MAP_ARCHIV	Character	40
SYT_PLN_NO	Character	77
SYT_PLN_FM	Character	101
SYT_PLN_SC	Character	47
PLN_DIG_NO	Character	35
PLN_ARCHIV	Character	40
STUDY_TYPE*	Character	30
STUDY_SCOP	Character	20
SURV_LEVEL*	Character	50
STUDY_SIZE	Character	28
SURV_PATT*	Character	16
SURV_SPAC	Character	24
PGM_LENGTH	Character	7
SEASON	Character	12
EQUIP_TYPE*	Character	75
PENETRAT	Character	20
RESOLUTION	Character	20
SAMPL_RATE	Character	20
SAMPL_QUAL	Character	50
SAMPL_TYPE*	Character	50
SAMPL_SIZE	Character	24

(continued...)

APPENDIX I (contd)

<u>Field Name</u>	<u>Type</u>	<u>Width</u>
INTERP_LEV*	Character	50
REPORT_LEV*	Character	50
REPORT_DST	Character	24
DAT_ARCHIV	Character	40
TOTAL		1174

* - variable length changed from the original structure

APPENDIX I (contd)

2) STRUCTURE OF IGRANDEP.DBF

<u>Field Name</u>	<u>Type</u>	<u>Width</u>	<u>Dec</u>
STUDY_NO*	Character	10	
SOURCE_NO	Character	8	
NTS_REF	Character	7	
SOURCE_REF	Character	30	
LOC_MAP_SC*	Character	7	
MAP_DIG_NO	Character	5	
LOCAL_NAME	Character	25	
X_REF	Character	75	
LOCATION	Character	25	
LATITUDE	Character	11	
LONGITUDE	Character	12	
UTM_EAST_*	Character	9	
NORTHING	Character	7	
COR_NO_NAM	Character	50	
KILO_POST	Numeric	6	1
OFST_DS_DR*	Character	13	
AREA	Character	4	
ACCESS	Character	60	
DISTANCE*	Character	5	
CONDITION	Character	40	
SYTPLN_SCL	Character	6	
PLN_DIGINO	Character	5	
LND_TENURE	Character	30	
STATUS*	Character	20	
PAST_USE	Character	75	
PERF_RATIN	Character	50	
INVEST_LEV*	Character	75	
LAST_DATE	Character	4	
GEPYS_DAT	Character	60	
BHOLE_NO	Numeric	3	
BHOLE_DEPT	Character	14	
TESTP_NO	Numeric	2	
TESTP_DEPT*	Character	12	
ESPOS_NO	Numeric	2	
EXPOS_DEPT	Character	14	
TOPOGRAPHY*	Character	45	
SLOPE	Character	25	
VEGETATION	Character	75	
DRAINAGE	Character	40	
PERMAF_FEAT	Character	60	
ACT_LAY	Character	11	(continued...)

APPENDIX I (contd)

<u>Field Name</u>	<u>Type</u>	<u>Width</u>	<u>Dec</u>
DESC_DAT	Date	8	
GENERIC_OR*	Character	25	
LANDFORM*	Character	40	
OVRBURD_TP	Character	30	
OVRBURD_TH	Character	11	
GRANULR_TP	Character	30	
GRANULR_TH	Character	14	
UNDRBUR_TP	Character	30	
DEV_CONSTR*	Character	75	
DEV_POTENT*	Character	20	
USC_NO	Numeric	3	
USC_CLASS	Character	30	
MC_NO	Numeric	3	
MC_RESULTS	Character	9	
OVERSIZE	Character	8	
SYZANAL_NO	Numeric	3	
GRAVEL*	Character	9	
SAND*	Character	9	
FINES	Character	8	
D-50*	Character	20	
PETRO_NO*	Numeric	5	
PETRO_RESU	Character	11	
OTHERTESTS	Character	152	
CLASS_1	Character	27	
CLASS_2	Character	27	
CLASS_3	Character	27	
CLASS_4	Character	27	
CLASS_5	Character	27	
TOTAL_VOLU	Numeric	9	
TOTAL_RECO	Numeric	9	
ANNUAL_REC	Numeric	8	
COMPILER	Character	75	
LASTUPDATE	Date	8	
TOTAL		1854	

IDC / ILA

APPENDIX II

LIST OF REPORTS
EXISTING IN THE DATABASE

APPENDIX II

REPORTS EXISTING IN THE DATABASE

- BBT Geotechnical Consultants Ltd., GVM Geological Consultants Ltd. and Terrain Analysis & Mapping Services Ltd. 1983. Granular Materials Evaluation, Deposits 168 and 211, Tuktoyaktuk, NWT. DIAND.
I83BBT-2S
- EBA Engineering Consultants. 1975. YaYa Granular Resources Study. Vols 1 & 2. APOA.
I75EBA-YA
- EBA Engineering Consultants 1976 Geotechnical Evaluation of Granular Material, Mackenzie Delta Area. DIAND.
I76EBA-MS
- EBA Engineering Consultants. 1983. Granular Resource Evaluation, Richards Island, NWT. DIAND.
I83EBA-RI
- EBA Engineering Consultants Ltd. 1987. Inuvialuit Settlement Sand and Gravel Inventory and Recommendations For Development. 6 Vols. DIAND.
I87EBA-P: Paulatuk
I87EBA-H: Holman
I87EBA-SH: Sachs Harbour
- Hardy & Associates (1978) Ltd. 1980. Granular Material Inventory, Tuktoyaktuk, NWT, Sources 160 & 161. DIAND.
I80H-GIMS
- Hardy & Associates (1978) Ltd. 1986. Interim Report- Phase I, Community Granular Management Plan, Tuktoyaktuk, NWT. DPWH.
I86H-SI1
- Hardy BBT Ltd. 1986. Interim Report- Phase II, Field Reconnaissance, Community Granular Management Plan, Tuktoyaktuk, NWT. DPWH.
I86H-MS2
- Hardy BBT Ltd. 1987. Interim Report- Phase III, Winter Drilling Program Deposit 155, Community Granular Management Plan. DPWH.
I87H-1553

APPENDIX II (contd)

Klohn Leonoff Consultants Ltd. 1974. Granular Materials Inventory, Parsons Lake, NWT. Gulf Oil.
I74KL-PL

Ripley, Klohn & Leonoff International Ltd. 1972. Community Granular Materials Inventory- Inuvik, NWT. DIAND.
I72RKL-IN

Ripley, Klohn & Leonoff International Ltd. 1972. Community Granular Materials Inventory- Tuktoyaktuk, NWT. DIAND.
I72RKL-MS2

Ripley, Klohn & Leonoff International Ltd. 1972. Granular Materials Inventory. 4 Vols:6 Zones. DIAND.
I72RKL-Z1: Zone 1
I72RKL-Z2: Zone 2
I72RKL-Z3: Zone 3
I72RKL-Z4: Zone 4
I72RKL-Z5: Zone 5
I72RKL-Z6: Zone 6

R.M. Hardy & Associates Ltd. 1977. Granular Materials Inventory, Tuktoyaktuk, NWT. DIAND.
I77H-MS

R.M. Hardy & Associates Ltd. and Terrain Analysis & Mapping Services Ltd. 1976. Granular Materials Inventory: Yukon Coastal Plain and adjacent areas. DIAND.
I76H-GYMS

IDC / ILA

Granular Resource Related
Field Activities

GRANULAR RESOURCE STUDIES

STUDY	YEAR	NAME OF CONTRACTOR	STUDY SCOPE	STUDY LEVEL
I72RKL-IN	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, SUMMARY, FORMAL GEOTECHNICAL EVALUATION
I72RKL-MS2	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, SUMMARY, FORMAL GEOTECHNICAL EVALUATION
I72RKL-Z1	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, SUMMARY, FORMAL GEOTECHNICAL EVALUATION
I72RKL-Z2	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	28 SITES	LIMITED GEOTECHNICAL EVALUATION
I72RKL-Z3	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, SUMMARY, FORMAL GEOTECHNICAL EVALUATION
I72RKL-Z4	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, FORMAL GEOTECHNICAL EVALUATION
I72RKL-Z5	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, SUMMARY, FORMAL GEOTECHNICAL EVALUATION
I72RKL-Z6	1972	RIPLEY, KLOHN & LEONOFF INTERNATIONAL	REGIONAL, MANY SITES	ANNOT LOGS, FORMAL GEOTECHNICAL EVALUATION
I74KL-PL	1974	KLOHN LEONOFF CONSULTANTS LTD.	MANY SITES	FORMAL GEOTECHNICAL, GEOLOGICAL EVALUATION
I75EBA-YA	1975	EBA ENGINEERING CONSULTANTS LTD	SITE SPECIFIC	ANNOT LOGS, FORMAL GEOTECHNICAL GEOLOGICAL REPORT
I76EBA-MS	1976	EBA ENGINEERING CONSULTANTS LTD	3 SITES	GEOTECHNICAL EVALUATION REPORT, VOLUME ESTIMATES
I76H-GYMS	1976	R.M. HARDY & ASSOCIATES LTD.	REGIONAL, MANY SITES	ANNOTATED LOGS, LAB REPORTS, GEOLOGICAL SUMMARIES
I77H-MS	1977	R.M. HARDY & ASSOCIATES LTD.	REGIONAL, MANY SITES	ANNOTATED LOGS, LAB RESULTS, SUMMARIES
I80H-GIMS	1980	HARDY & ASSOCIATES (1978) LTD.	LOCALIZED, MANY SITE	ANNOTATED LOGS, LAB REPORTS, GEOLOGICAL SUMMARY
I83BBT-2S	1983	BBT GEOTECHNICAL CONSULTANTS LTD.	2 DEPOSITS, 5 SITES	SUMMARY TABLES, FORMAL GEOTECHNICAL EVALUATION
I86EBA-RI	1986	EBA ENGINEERING CONSULTANTS LTD.	REGIONAL, MANY SITES	FORMAL GEOTECHNICAL EVALUATION REPORT
I86H-MS2	1986	HARDY BBT, CALGARY, ALTA.	REGIONAL, MANY SITES	INFORMAL GEOPHYSICAL INTERPRET/GEOTECHNICAL REPORT
I86H-SI1	1986	HARDY BBT, CALGARY, ALTA.	REGIONAL, MANY SITES	TABLES OF AREA DRILLED WITHIN 50 KM RADIUS OF TUK
I87EBA-H	1987	EBA ENGINEERING CONSULTANTS LTD	MANY SITES	SUMMARY/DATA COMPILATION REPORT, PIT DEVELOPMENT
I87EBA-P	1987	EBA ENGINEERING CONSULTANTS LTD.	MANY SITES	SUMMARY/DATA COMPILATION REPORT, PIT DEVELOPMENT
I87EBA-SH	1987	EBA ENGINEERING CONSULTANTS LTD.	MANY SITES	SUMMARY/DATA COMPILATION REPORT, PIT DEVELOPMENT
I87H-1553	1987	HARDY BBT, CALGARY, ALTA.	SPECIFIC- TWO SITES	FORMAL GEOTECHNICAL EVALUATION REPORT

GRANULAR RESOURCE STUDIES
STUDY DESCRIPTION

STUDY	TYPE OF DATA	STUDY SCOPE	STUDY LEVEL	NO. SITES TESTPITS/BOREHOLES	SEASON	EQUIPMENT USED
I72RKL-IN	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	7 SITES 35 TEST HOLES	AUTUMN	SHOVEL
I72RKL-MS2	GEOTECHNICAL-LOGICAL -PHYSICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, REVIEW EXISTING REPORTS	16 SITES	FALL	SHOVEL
I72RKL-Z1	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	6 SITES 8 TESTPITS/EXPOSURES	AUTUMN	SHOVEL
I72RKL-Z2	GEOTECHNICAL, GEOLOGICAL	28 SITES	DELINEATION, PRODUCTION	28 SITES 134 TESTPITS/EXPOS	AUTUMN	SHOVEL
I72RKL-Z3	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	29 SITES 126 TESTPITS/EXPOS	AUTUMN	SHOVEL
I72RKL-Z4	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	9 SITES 16 TESTPITS/EXPOSUR	AUTUMN	SHOVEL
I72RKL-Z5	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	6 SITES 18 TESTPITS/EXPOSUR	AUTUMN	SHOVEL
I72RKL-Z6	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	6 SITES 19 TESTPITS/EXPOSUR	AUTUMN	SHOVEL
I74KL-PL	GEOTECHNICAL, -LOGICAL, L, -MORPHOL	MANY SITES	AIRPHOTO RECONNAISSANCE REVIEW EXISTING REPORTS	11 SITES 282 BH's	AUTUMN	AUGER DRILL
I75EBA-YA	GEOTECHNICAL	SITE SPECIFIC	AIRPHOTO, RECONN, DELINEATN , PRODUCTN, REVIEW REPORTS	5 SITES 302 BH's	SPRING	BECKER HAMMER DRILL MAYHEW 1000 ROTARY RIG D7 DOZER
I76EBA-MS	GEOTECHNICAL	3 SITES	AIRPHOTO INTERPRETATION, DELINEATION, PRODUCTION	3 SITES 185 BH's	WINTER	D6 & D7 DOZER HELIDRILL NOOWELL
I76H-GYMS	GEOTECHNICAL-LOGICAL -MORPHOLOG	REGIONAL, MANY SITES	GEOTECHNICAL INVESTIGATION, REVIEW EXISTING REPORT	129 SITES 129 TESTPITS	AUTUMN	AIR HAMMER & COMPRESSOR STEEL HOSE SPADES BELL JET RANGER SUPPORT
I77H-MS	GEOTECHNICAL-LOGICAL -MORPHOLOG	REGIONAL, MANY SITES	AIRPHOTO, RECONN, EXPLORATION, DELINEATION	22 SITES 48 TESTPITS	SUMMER	WATER JET HAND EXCAVATED TESTPITS HELICOPTER SUPPORT
I80H-GIMS	GEOTECHNICAL, GEOMORPHOLOGICAL	LOCALIZED, MANY SITE	EXPLORATION, DELINEATION, PRODUCTION	6 SITES 42 BH's	WINTER	AUGER DRILL RIG ON NOOWELL 966C LOADER
I8388T-2S	GEOTECHNICAL	2 DEPOSITS, 5 SITES	DELINEATION, PRODUCTION, REVIEW EXISTING REPORTS	5 SITES 17 BH's	WINTER	DIESEL HAMMER-DRILL D6 CAT & 966 FRONT END LOADER
I86EBA-RI	GEOTECHNICAL-LOGICAL -PHYSICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, EXPLORATN, DELINEATN, REVIEW	9 SITES 39 BH's	SPRING	CME 750 DRILL RIG BARREL & SOLID STEM AUGER BULLDOZER NOOWELL
I86H-MS2	GEOTECHNICAL	REGIONAL, MANY SITES	AIRPHOTO, RECONN, EXPLORATN, DELINEATN, PRODUCTN	5 SITES 38 TEST PITS	FALL	HAND DRILL EXCAVATION
I86H-SI1	RESEARCH	REGIONAL, MANY SITES		36 SITES		
I87EBA-H	GEOTECHNICAL, SUPPLY/DEMAND	MANY SITES	AIRPHOTO, RECONNAISSANCE, REVIEW EXISTING STUDIES	13 SITES		

GRANULAR RESOURCE STUDIES
STUDY DESCRIPTION

STUDY	TYPE OF DATA	STUDY SCOPE	STUDY LEVEL	NO. SITES TESTPITS/BOREHOLES	SEASON	EQUIPMENT USED
I87EBA-P	GEOTECHNICAL, SUPPLY/DEMAND	MANY SITES	AIRPHOTO, RECONNAISSANCE, 22 SITES REVIEW EXISTING REPORTS			
I87EBA-SH	GEOTECHNICAL, SUPPLY/DEMAND	MANY SITES	AIRPHOTO, RECONNAISSANCE, 13 SITES REVIEW EXISTING REPORTS			
I87H-1553	GEOTECHNICAL	SPECIFIC- TWO SITES	DELINEATION, PRODUCTION	2 SITES, 70 BH's	WINTER	AUGER DRILL

IDC / ILA

Granular Resource
Deposit Database

GRANULAR RESOURCE DEPOSIT
TENURE & STATUS

STUDY	SOURCE#	LAND TENURE	STATUS
I72RKL-IN	I-400	CROWN	DEVELOPED
I72RKL-IN	I-401A	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I72RKL-IN	I-402	CROWN	DEVELOPED
I72RKL-IN	I-403	CROWN	DEVELOPED
I72RKL-IN	I-404	CROWN	DEVELOPED
I72RKL-IN	I-405A	CROWN	UNDEVELOPED
I72RKL-IN	I-406	CROWN	UNDEVELOPED
I72RKL-IN	I-407	INUVIALUIT 7(1)(A)- TUK	DEVELOPED
I72RKL-MS2	T-100	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-101	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-102A	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-103A	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-104A	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-105	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-106	INUVIALUIT 7(1)(A)- TUK	DEVELOPED
I72RKL-MS2	T-107	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-108A	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-109	INUVIALUIT 7(1)(A)- TUK	DEVELOPED
I72RKL-MS2	T-110A	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-111A	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-112	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-113	INUVIALUIT 7(1)(A)- TUK	MINOR DEVELOPMENT
I72RKL-MS2	T-114	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-MS2	T-115	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-Z1	150	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I72RKL-Z1	151	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z1	152A	CROWN	UNDEVELOPED
I72RKL-Z1	153	INUVIALUIT 7(1)(B)- TUK	ABANDONED
I72RKL-Z1	154	INUVIALUIT 7(1)(B)- TUK	ABANDONED
I72RKL-Z1	155	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I72RKL-Z2	200A	CROWN	UNDEVELOPED
I72RKL-Z2	201A	CROWN	UNDEVELOPED
I72RKL-Z2	202A	CROWN	UNDEVELOPED
I72RKL-Z2	203A	CROWN	UNDEVELOPED
I72RKL-Z2	204	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z2	205A	CROWN	UNDEVELOPED
I72RKL-Z2	206	CROWN	UNDEVELOPED
I72RKL-Z2	207	CROWN	UNDEVELOPED
I72RKL-Z2	208	CROWN	UNDEVELOPED
I72RKL-Z2	209	CROWN	UNDEVELOPED
I72RKL-Z2	210A	CROWN	UNDEVELOPED
I72RKL-Z2	211	CROWN	UNDEVELOPED
I72RKL-Z2	212	CROWN	UNDEVELOPED
I72RKL-Z2	213	CROWN	UNDEVELOPED
I72RKL-Z2	214	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I72RKL-Z2	215	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I72RKL-Z2	216	CROWN	UNDEVELOPED
I72RKL-Z2	217	CROWN	UNDEVELOPED

GRANULAR RESOURCE DEPOSIT
TENURE & STATUS

STUDY	SOURCE#	LAND TENURE	STATUS
I72RKL-Z2	218	CROWN	UNDEVELOPED
I72RKL-Z2	219	CROWN	UNDEVELOPED
I72RKL-Z2	220	CROWN & INUVIALUIT 7(1)(A)&(B)	UNDEVELOPED
I72RKL-Z2	221A	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I72RKL-Z2	222	INUVIALUIT 7(1)(A)- INUVIK	DEVELOPED
I72RKL-Z2	223	INUVIALUIT 7(1)(A)- INUVIK	DEVELOPED
I72RKL-Z2	224	INUVIALUIT 7(1)(A)- INUVIK	PARTIALLY DEVELOPED
I72RKL-Z2	225	CROWN	UNDEVELOPED
I72RKL-Z2	226	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z2	227	CROWN	UNDEVELOPED
I72RKL-Z3	300A	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	301	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	302	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	303	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	304	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	305	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	306	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	307	CROWN	UNDEVELOPED
I72RKL-Z3	308	CROWN	UNDEVELOPED
I72RKL-Z3	309	CROWN	ABANDONED
I72RKL-Z3	310A	CROWN & INUVIALUIT 7(1)(B)-INU	UNDEVELOPED
I72RKL-Z3	311	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	312	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	313	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	314	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	315	CROWN	UNDEVELOPED
I72RKL-Z3	316	INUVIALUIT 7(1)(A)- INUVIK	DEVELOPED
I72RKL-Z3	317	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	318	CROWN	UNDEVELOPED
I72RKL-Z3	319	CROWN	UNDEVELOPED
I72RKL-Z3	320	CROWN	UNDEVELOPED
I72RKL-Z3	321	CROWN	UNDEVELOPED
I72RKL-Z3	322	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	323A	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	324A	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	325	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	326	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I72RKL-Z3	327	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I72RKL-Z3	328A	CROWN & INUVIALUIT 7(1)(B)-TUK	UNDEVELOPED
I72RKL-Z4	450	CROWN	UNDEVELOPED
I72RKL-Z4	451	CROWN	UNDEVELOPED
I72RKL-Z4	452	CROWN	UNDEVELOPED
I72RKL-Z4	453	CROWN	DEVELOPED
I72RKL-Z4	454	CROWN	UNDEVELOPED
I72RKL-Z4	455	CROWN	UNDEVELOPED
I72RKL-Z4	456A	CROWN	UNDEVELOPED
I72RKL-Z4	457A	CROWN	UNDEVELOPED
I72RKL-Z4	458A	CROWN	UNDEVELOPED

GRANULAR RESOURCE DEPOSIT
TENURE & STATUS

STUDY	SOURCE#	LAND TENURE	STATUS
I72RKL-Z5	550	CROWN	UNDEVELOPED
I72RKL-Z5	551	CROWN	DEVELOPED
I72RKL-Z5	552A	CROWN	UNDEVELOPED
I72RKL-Z5	553	CROWN	UNDEVELOPED
I72RKL-Z5	554	CROWN	UNDEVELOPED
I72RKL-Z5	555	CROWN	UNDEVELOPED
I72RKL-Z6	650	CROWN	UNDEVELOPED
I72RKL-Z6	651A	CROWN	UNDEVELOPED
I72RKL-Z6	652	CROWN	DEVELOPED
I72RKL-Z6	653	CROWN	UNDEVELOPED
I72RKL-Z6	654	CROWN	UNDEVELOPED
I72RKL-Z6	655A	CROWN	UNDEVELOPED
I74KL-PL	1	CROWN	UNDEVELOPED
I74KL-PL	10	CROWN	UNDEVELOPED
I74KL-PL	11	CROWN	UNDEVELOPED
I74KL-PL	2	CROWN	UNDEVELOPED
I74KL-PL	3	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I74KL-PL	4	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I74KL-PL	5	CROWN	PARTIALLY DEVELOPED
I74KL-PL	6	CROWN	PARTIALLY DEVELOPED
I74KL-PL	7	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I74KL-PL	8	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I74KL-PL	9	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I75EBA-YA	YAYA-A	INUVIALUIT 7(1)(A)- INUVIK	PARTIALLY DEVELOPED
I75EBA-YA	YAYA-B	INUVIALUIT 7(1)(A)- INUVIK	PARTIALLY DEVELOPED
I75EBA-YA	YAYA-C1	INUVIALUIT 7(1)(A)- INUVIK	PARTIALLY DEVELOPED
I75EBA-YA	YAYA-C2	INUVIALUIT 7(1)(A)- INUVIK	PARTIALLY DEVELOPED
I75EBA-YA	YAYA-D	INUVIALUIT 7(1)(A)- INUVIK	PARTIALLY DEVELOPED
I76EBA-MS	222	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I76EBA-MS	303	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I76EBA-MS	326	INUVIALUIT 7(1)(A)- INUVIK	UNDEVELOPED
I76H-GYMS	460	INUVIALUIT 7(1)(A)- AKLAVIK	UNDEVELOPED
I76H-GYMS	462	INUVIALUIT 7(1)(A)- AKLAVIK	UNDEVELOPED
I76H-GYMS	463	INUVIALUIT 7(1)(A)- AKLAVIK	UNDEVELOPED
I76H-GYMS	464	INUVIALUIT 7(1)(A)- AKLAVIK	UNDEVELOPED
I76H-GYMS	465	CROWN	UNDEVELOPED
I76H-GYMS	466	CROWN	UNDEVELOPED
I76H-GYMS	467	CROWN	UNDEVELOPED
I76H-GYMS	468	CROWN	UNDEVELOPED
I76H-GYMS	469	CROWN	UNDEVELOPED
I77H-MS	156	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	157	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	158	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	159	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	160	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	161	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	162	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	163	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED

GRANULAR RESOURCE DEPOSIT
TENURE & STATUS

STUDY	SOURCE#	LAND TENURE	STATUS
I77H-MS	164	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I77H-MS	165	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I77H-MS	166	INUVIALUIT 7(1)(A)&(B)- TUK	UNDEVELOPED
I77H-MS	167	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	168	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	169	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I77H-MS	170	INUVIALUIT 7(1)(A)&(B)- TUK	UNDEVELOPED
I77H-MS	171	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I77H-MS	172	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I77H-MS	173	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I77H-MS	174	CROWN & INUVIALUIT 7(1)(B)-TUK	UNDEVELOPED
I77H-MS	175	CROWN	UNDEVELOPED
I77H-MS	176	CROWN & INUVIALUIT 7(1)(B)-IN	UNDEVELOPED
I77H-MS	177	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I80H-GIMS	160A	INUVIALUIT 7(1)(A)- TUK	UNKNOWN
I80H-GIMS	160B	INUVIALUIT 7(1)(A)- TUK	UNKNOWN
I80H-GIMS	160D	INUVIALUIT 7(1)(A)- TUK	UNKNOWN
I80H-GIMS	161C	INUVIALUIT 7(1)(A)- TUK	UNKNOWN
I80H-GIMS	161E	INUVIALUIT 7(1)(A)- TUK	UNKNOWN
I80H-GIMS	161F	INUVIALUIT 7(1)(A)- TUK	UNKNOWN
I83BBT-2S	168	INUVIALUIT 7(1)(A)- TUK	PARTIALLY DEVELOPED
I83BBT-2S	211	CROWN	PARTIALLY EXPLORED
I86EBA-RI	211	CROWN	PARTIALLY DEVELOPED
I86EBA-RI	211E	CROWN	W RIDGE PARTIAL DEV
I86EBA-RI	216	CROWN	PARTIALLY DEVELOPED
I86EBA-RI	216S	CROWN	UNDEVELOPED
I86EBA-RI	217	CROWN	PARTIALLY DEVELOPED
I86EBA-RI	217E	CROWN	UNDEVELOPED
I86EBA-RI	218	CROWN	PARTIALLY DEVELOPED
I86EBA-RI	218N	CROWN	UNDEVELOPED
I86EBA-RI	219	CROWN	PARTIALLY DEVELOPED
I86H-MS2	155	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I86H-MS2	163	INUVIALUIT 7(1)(B)- TUK	UNDEVELOPED
I86H-MS2	181	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I86H-MS2	183	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I86H-MS2	184	INUVIALUIT 7(1)(A)- TUK	UNDEVELOPED
I87EBA-H	87-H-1	INUVIALUIT 7(1)(B)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-10	INUVIALUIT 7(1)(A)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-11	INUVIALUIT 7(1)(A)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-12	INUVIALUIT 7(1)(A)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-13	INUVIALUIT 7(1)(B)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-2	INUVIALUIT 7(1)(B)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-4	INUVIALUIT 7(1)(B)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-5	INUVIALUIT 7(1)(B)- HOLMAN	DEVELOPED
I87EBA-H	87-H-6	INUVIALUIT 7(1)(A)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-7	INUVIALUIT 7(1)(A)- HOLMAN	UNDEVELOPED
I87EBA-H	87-H-8	INUVIALUIT 7(1)(A)- HOLMAN	PARTIALLY DEVELOPED
I87EBA-P	87-P-1	INUVIALUIT 7(1)(A)&(B)- PAUL	UNDEVELOPED

GRANULAR RESOURCE DEPOSIT
TENURE & STATUS

STUDY	SOURCE#	LAND TENURE	STATUS
I87EBA-P	87-P-10	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-11	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-12	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-13	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-14	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-15	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-16	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-17	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-19	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-2	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-20	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-21	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-22	INUVIALUIT 7(1)(A)- PAULATUK	PARTIALLY DEVELOPED
I87EBA-P	87-P-23	INUVIALUIT 7(1)(A)- PAULATUK	PARTIAL DEVELOPMENT
I87EBA-P	87-P-3	INUVIALUIT 7(1)(A)&(B)- PAUL	UNDEVELOPED
I87EBA-P	87-P-4	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-6	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-7	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-P	87-P-9	INUVIALUIT 7(1)(A)- PAULATUK	UNDEVELOPED
I87EBA-SH	87-SH-1	INUVIALUIT 7(1)(A)- SACHS	PARTIAL DEVELOPMENT
I87EBA-SH	87-SH-10	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-11	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-12	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-13	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-2	INUVIALUIT 7(1)(A)- SACHS	PARTIAL DEVELOPMENT
I87EBA-SH	87-SH-3	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-4	INUVIALUIT 7(1)(A)- SACHS	DEVELOPED
I87EBA-SH	87-SH-5	INUVIALUIT 7(1)(A)- SACHS	DEVELOPED
I87EBA-SH	87-SH-6	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-7	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-8	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87EBA-SH	87-SH-9	INUVIALUIT 7(1)(A)- SACHS	UNDEVELOPED
I87H-1553	155N	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED
I87H-1553	155S	INUVIALUIT 7(1)(B)- INUVIK	UNDEVELOPED

GRANULAR RESOURCES DEPOSIT
LOCATION

STUDY	SOURCE#	MAP	LATITUDE	LONGITUDE	UTM ZONE- EASTING	NORTHING	AREA	VOLUME (cu.m.)
I72RKL-IN	I-400	107B/7	68-16-00N	133-39-00W	8-554000	7583000	31	190000
I72RKL-IN	I-401A	107B/7	68-22-00N	133-42-00W	8-553000	7594000	125	0
I72RKL-IN	I-402	107B/7	68-18-00N	133-33-00W	8-560500	7577500	31	4560000
I72RKL-IN	I-403	107B/7	68-19-00N	133-20-00W	8-569000	7578500	21	1900000
I72RKL-IN	I-404	107B/7	68-17-30N	133-21-00W	8-568000	7576500	11	76000
I72RKL-IN	I-405A	107B/7	68-18-30N	133-07-00W	8-578500	7578000	167	0
I72RKL-IN	I-406	107B/7	68-21-30N	133-14-00W	8-573000	7582000	11	30400
I72RKL-IN	I-407	107B/14	68-51-00N	134-22-00W	8-523000	7563700	167	4560000
I72RKL-MS2	T-100	107C/9W	69-35-00N	132-59-00W	8-577000	7725000	3	60800
I72RKL-MS2	T-101	107C/9W	69-32-00N	132-57-00W	8-578000	7713000	52	76000
I72RKL-MS2	T-102A	107C/9W	69-31-00N	132-50-00W	8-578000	7711000	41	68400
I72RKL-MS2	T-103A	107C/8W	69-29-00N	132-53-00W	8-578000	7708000	16	76000
I72RKL-MS2	T-104A	107C/8W	69-28-00N	132-50-00W	8-578000	7706000	33	19000
I72RKL-MS2	T-105	107C/8W	69-26-00N	132-50-00W	8-578000	7703000	33	22800
I72RKL-MS2	T-106	107C/8W	69-27-30N	132-49-00W	8-579000	7706000	5	38000
I72RKL-MS2	T-107	107C/8W	69-28-00N	132-57-00W	8-579000	7706000	5	15200
I72RKL-MS2	T-108A	107C/8W	69-27-00N	133-00-00W	8-577000	7705000	8	19000
I72RKL-MS2	T-109	107C/7E	69-26-00N	133-04-00W	8-575000	7703000	21	57000
I72RKL-MS2	T-110A	107C/7E	69-25-00N	133-07-30W	8-572500	7700000	0	34200
I72RKL-MS2	T-111A	107C/7E	69-24-00N	133-08-00W	8-572000	7700000	5	15200
I72RKL-MS2	T-112	107C/7E	69-24-00N	133-10-00W	8-570500	7699000	21	19000
I72RKL-MS2	T-113	107C/8W	69-18-00N	132-30-00W	8-596000	7688000	62	1140000
I72RKL-MS2	T-114	107C/8W	69-17-00N	132-38-00W	8-592000	7687000	10	15200
I72RKL-MS2	T-115	107C/8W	69-24-00N	132-52-00W	8-583000	7702000	17	76000
I72RKL-Z1	150	107C/9	69-37-00N	132-57-00W	8-579000	7725000	63	152000
I72RKL-Z1	151	107D/12	69-34-00N	131-50-00W	9-391000	7719000	752	380000
I72RKL-Z1	152A	107E/7	70-17-00N	129-40-00W	9-475000	7795000	21	3800
I72RKL-Z1	153	107C/8	69-23-00N	132-14-00W	8-607500	7697500	752	760000
I72RKL-Z1	154	107C/8	69-23-00N	132-12-00W	8-608000	7695000	167	152000
I72RKL-Z1	155	107C/2W	69-16-00N	133-37-00W	8-554000	7682500	125	760000
I72RKL-Z2	200A	107C/5E	69-16-00N	135-07-00W	8-495000	7684500	37	11400
I72RKL-Z2	201A	107C/4E	69-15-00N	135-05-00W	8-496000	7683000	1463	38000
I72RKL-Z2	202A	107C/5E	69-19-00N	135-13-00W	8-492000	7691000	42	0
I72RKL-Z2	203A	107C/5E	69-17-00N	135-05-00W	8-496000	7686000	439	0
I72RKL-Z2	204	107C/3W	69-01-00N	134-39-00W	8-518000	7656000	63	152000
I72RKL-Z2	205A	107C/6W	69-22-00N	134-36-00W	8-515000	7695500	21	0
I72RKL-Z2	206	107C/6E	69-23-00N	134-27-00W	8-521000	7696000	209	152000
I72RKL-Z2	207	107C/6W	69-22-00N	134-31-00W	8-518500	7695000	71	152000
I72RKL-Z2	208	107C/6E	69-26-00N	134-17-00W	8-527000	7704500	167	0
I72RKL-Z2	209	107C/11	69-38-00N	134-17-00W	8-526000	7727500	11	91200
I72RKL-Z2	210A	107C/6E	69-28-00N	134-18-00W	8-525000	7707000	501	0
I72RKL-Z2	211	107C/6E	69-22-00N	134-15-00W	8-528500	7696000	83	380000
I72RKL-Z2	212	107C/6E	69-16-00N	134-18-00W	8-527000	7684000	63	190000
I72RKL-Z2	213	107C/6E	69-18-00N	134-07-00W	8-534000	7692000	66	304000
I72RKL-Z2	214	107C/7W	69-17-00N	133-58-00W	8-539500	7686500	63	304000
I72RKL-Z2	215	107C/6E	69-16-00N	134-13-00W	8-530000	7684500	5	22800
I72RKL-Z2	216	107C/3E	69-13-00N	134-17-00W	8-528000	7678500	56	228000
I72RKL-Z2	217	107C/3E	69-11-00N	134-20-00W	8-526000	7676500	42	114000

GRANULAR RESOURCES DEPOSIT
LOCATION

STUDY	SOURCE#	MAP	LATITUDE	LONGITUDE	UTM ZONE- EASTING	NORTHING	AREA	VOLUME (cu.m.)
I72RKL-Z2	218	107C/6E	69-16-00N	134-25-00W	8-523000	7684000	83	228000
I72RKL-Z2	219	107C/3W	69-13-00N	134-37-00W	8-514000	7679000	334	760000
I72RKL-Z2	220	107C/3W	69-12-00N	134-35-00W	8-516000	7676000	125	76000
I72RKL-Z2	221A	107C/3W	69-08-00N	134-37-00W	8-515000	7669000	146	0
I72RKL-Z2	222	107C/3E	69-08-00N	134-23-00W	8-523000	7671000	188	7600000
I72RKL-Z2	223	107C/3W	69-06-00N	134-36-00W	8-514500	7665000	146	4180000
I72RKL-Z2	224	107C/3W	69-07-00N	134-32-00W	8-518000	7665000	84	1900000
I72RKL-Z2	225	107C/3W	69-07-00N	134-44-00W	8-510000	7667000	125	760000
I72RKL-Z2	226	107C/3W	69-06-00N	134-47-00W	8-508500	7665500	104	304000
I72RKL-Z2	227	107C/3W	69-08-00N	134-43-30W	8-510000	7670000	418	304000
I72RKL-Z3	300A	107B/14	68-56-00N	134-37-00W	8-517500	7648000	84	0
I72RKL-Z3	301	107B/14	68-58-30N	134-38-00W	8-516000	7652000	105	3040000
I72RKL-Z3	302	107C/3	69-02-00N	134-35-00W	8-516500	7658000	63	1140000
I72RKL-Z3	303	107C/3	69-04-00N	134-33-00W	8-518550	7662000	125	4560000
I72RKL-Z3	304	107C/2	69-09-00N	133-05-00W	8-574000	7671500	21	45600
I72RKL-Z3	305	107C/2	69-04-30N	133-10-00W	8-570000	7662500	2007	228000
I72RKL-Z3	306	107C/2	69-05-00N	133-16-00W	8-567000	7663000	836	114000
I72RKL-Z3	307	107C/2	69-02-00N	133-23-00W	8-563000	7657000	335	114000
I72RKL-Z3	308	107C/2	69-02-00N	133-26-00W	8-560000	7658000	84	15200
I72RKL-Z3	309	107B/15	68-59-00N	133-29-00W	8-559500	7653000	376	1520000
I72RKL-Z3	310A	107C/2	69-02-00N	133-44-00W	8-548000	7657000	42	0
I72RKL-Z3	311	107B/15	68-54-00N	133-12-00W	8-569500	7642500	125	304000
I72RKL-Z3	312	107B/15	68-53-00N	133-25-00W	8-560500	7640500	167	4560000
I72RKL-Z3	313	107B/15	68-52-00N	133-23-00W	8-562000	7638000	63	38000
I72RKL-Z3	314	107B/15	68-46-00N	133-21-00W	8-564000	7626000	502	2280000
I72RKL-Z3	315	107B/15	68-54-00N	133-53-00W	8-544000	7445000	502	4560000
I72RKL-Z3	316	107B/14	68-47-00N	134-08-00W	8-534000	7632000	188	760000
I72RKL-Z3	317	107B/14	69-47-00N	134-10-00W	8-532500	7632000	84	380000
I72RKL-Z3	318	107B/14	68-53-00N	134-07-00W	8-534000	7641000	823	1520000
I72RKL-Z3	319	107B/14	68-55-00N	134-05-00W	8-536000	7646000	2508	1140000
I72RKL-Z3	320	107B/14	68-54-00N	134-08-00W	8-534000	7652000	731	1140000
I72RKL-Z3	321	107B/14	68-58-30N	133-56-00W	8-542000	7652000	188	760000
I72RKL-Z3	322	107B/14	68-49-00N	134-17-00W	8-529500	7633000	167	760000
I72RKL-Z3	323A	107B/14	68-47-00N	134-12-00W	8-528000	7632000	732	11400000
I72RKL-Z3	324A	107B/14	68-49-00N	134-21-00W	8-525000	7634000	502	7600000
I72RKL-Z3	325	107B/14	68-47-00N	133-25-00W	8-562000	7629000	523	760000
I72RKL-Z3	326	107B/14	68-54-00N	134-27-00W	8-522000	7642500	627	15200000
I72RKL-Z3	327	107B/14	68-49-00N	133-27-00W	8-559500	7635000	418	76000
I72RKL-Z3	328A	107B/10	68-43-00N	133-10-00W	8-570500	7620500	1463	0
I72RKL-Z4	450	107B/1	68-00-00N	133-02-00W	8-583000	7579000	31	304000
I72RKL-Z4	451	107B/8	68-23-00N	132-53-00W	8-583000	7584000	10	38000
I72RKL-Z4	452	107B/8	68-23-30N	132-43-30W	8-594000	7586000	84	1140000
I72RKL-Z4	453	107B/7	68-15-00N	133-18-00W	8-571000	7571000	16	7600
I72RKL-Z4	454	107B/2	68-11-00N	133-40-00W	8-552000	7564000	25	7600000
I72RKL-Z4	455	107B/4	68-12-00N	135-27-00W	8-481000	7565500	50	380000
I72RKL-Z4	456A	107B/4	68-07-00N	135-12-00W	8-485000	7555000	1003	0
I72RKL-Z4	457A	107B/4	68-04-00N	135-20-00W	8-483000	7550000	836	0
I72RKL-Z4	458A	107B/2	68-08-00N	133-27-00W	8-564500	7557500	84	456000

GRANULAR RESOURCES DEPOSIT
LOCATION

STUDY	SOURCE#	MAP	LATITUDE	LONGITUDE	UTM ZONE- EASTING	NORTHING	AREA	VOLUME (cu.m.)
I72RKL-Z5	550	106M/6	67-28-00N	135-27-00W	8-485000	7487000	502	3800000
I72RKL-Z5	551	106M/6	67-28-00N	135-18-00W	8-484500	7487500	42	152000
I72RKL-Z5	552A	106M/12	67-35-00N	135-32-00W	8-477500	7450000	31	152000
I72RKL-Z5	553	106M/5	67-44-00N	135-31-00W	8-479500	7514000	167	1900000
I72RKL-Z5	554	106M/11	67-45-00N	135-28-00W	8-482000	7514000	669	1900000
I72RKL-Z5	555	106M/3	67-10-00N	135-12-00W	8-494000	7449500	24	380000
I72RKL-Z6	650	106M/8	67-23-00N	134-03-00W	8-539500	7472000	188	1900000
I72RKL-Z6	651A	106M/8	67-22-00N	134-08-00W	8-538000	7468000	66	0
I72RKL-Z6	652	106M/8	67-24-00N	134-12-00W	8-533500	7475000	84	152000
I72RKL-Z6	653	106M/8	67-25-00N	134-21-00W	8-530500	7475000	11	152000
I72RKL-Z6	654	106M/9	67-33-00N	133-24-00W	8-570500	7493500	585	1520000
I72RKL-Z6	655A	106N/14	67-59-00N	133-28-00W	8-564000	7540000	21	0
I74KL-PL	1	107B/15	68-53-00N	133-34-00W	8-557500	7641000	28	950000
I74KL-PL	10	107B/15	68-51-00N	133-31-00W	8-551000	7650000	6	0
I74KL-PL	11	107B/15	68-47-00N	133-32-00W	8-559500	7651000	35	0
I74KL-PL	2	107B/15	68-53-00N	133-33-00W	8-558000	7642000	29	273600
I74KL-PL	3	107B/15	68-46-30N	133-29-00W	8-560500	7641000	19	440800
I74KL-PL	4	107B/15	68-46-00N	133-30-30W	8-559500	7640000	7	152000
I74KL-PL	5	107B/15	68-58-00N	133-31-00W	8-590000	7653500	6	30400
I74KL-PL	6	107B/15	68-59-00N	133-32-00W	8-559000	7654000	4	7600
I74KL-PL	7	107B/15	68-51-00N	133-32-00W	8-559000	7640500	42	0
I74KL-PL	8	107B/15	68-51-00N	133-28-00W	8-562000	7640500	58	76000
I74KL-PL	9	107B/15	68-46-00N	133-31-00W	8-560000	7640000	5	38000
I75EBA-YA	YAYA-A	107C/3	69-05-45N	134-46-30W	8-509500	7665200	128	6004000
I75EBA-YA	YAYA-B	107C/3	69-05-40N	134-42-30W	8-512500	7665000	100	4180000
I75EBA-YA	YAYA-C1	107C/3	69-05-27N	134-38-30W	8-515000	7664900	104	2888000
I75EBA-YA	YAYA-C2	107C/3	69-05-40N	134-35-00W	8-517000	7665000	36	152000
I75EBA-YA	YAYA-D	107C/3	69-06-40N	134-40-00W	8-514000	7665900	20	0
I76EBA-MS	222	107C/3E	69-07-00N	134-25-00W	8-522500	7667500	1500	10640000
I76EBA-MS	303	107C/3W	69-04-00N	134-32-00W	8-518500	7662000	800	4575200
I76EBA-MS	326	107B/14	68-53-00N	134-26-00W	8-522000	7642000	2000	10723600
I76H-GYMS	460	117A/9E	68-34-00N	136-14-00W	8-449000	7600700	348	19000000
I76H-GYMS	462	117A/8E	68-29-00N	136-12-00W	8-450000	7598000	453	12540000
I76H-GYMS	463	117A/8E	68-27-00N	136-05-00W	8-456500	7596000	256	3116000
I76H-GYMS	464	107B/12	68-32-00N	135-54-00W	8-462000	7603000	214	5852000
I76H-GYMS	465	107B/4W	68-02-00N	135-50-00W	8-465000	7546000	161	76000000
I76H-GYMS	466	107B/4W	68-10-00N	135-32-00W	8-478000	7560000	187	5548000
I76H-GYMS	467	107B/4E	68-13-00N	135-28-00W	8-478000	7567000	313	15200000
I76H-GYMS	468	107B/4E	68-10-00N	135-26-00W	8-482000	7562000	428	3800000
I76H-GYMS	469	107B/4E	68-14-00N	135-19-00W	8-483500	7571000	96	319200
I77H-MS	156	107C/7E	69-25-00N	133-02-00W	8-575000	7703000	85	288800
I77H-MS	157	107C/9W	69-35-00N	132-52-00W	8-577000	7720000	64	1292000
I77H-MS	158	107C/8W	69-27-00N	132-52-00W	8-578000	7702000	770	3800000
I77H-MS	159	107C/8W	69-28-00N	132-49-00W	8-580000	7708000	600	3500000
I77H-MS	160	107C/8W	69-27-00N	132-53-00W	8-582000	7704500	424	3340000
I77H-MS	161	107C/8W	69-23-00N	132-50-00W	8-583500	7702000	212	1444000
I77H-MS	162	107C/8W	69-27-00N	132-55-00W	8-579000	7707000	106	5244000
I77H-MS	163	107C/9E	69-37-00N	132-14-00W	8-607000	7721000	636	65400000

GRANULAR RESOURCES DEPOSIT
LOCATION

STUDY	SOURCE#	MAP	LATITUDE	LONGITUDE	UTM ZONE- EASTING	NORTHING	AREA	VOLUME (cu.m.)
I77H-MS	164	107C/8E	69-27-00N	132-07-00W	8-611000	7708000	423	2660000
I77H-MS	165	107C/8E	69-24-00N	132-07-00W	8-610000	7701000	105	1292000
I77H-MS	166	107C/8E	69-19-00N	132-15-00W	8-607000	7694000	106	129200
I77H-MS	167	107C/8E	69-17-00N	132-18-00W	8-598000	7688000	106	1748000
I77H-MS	168	107C/8W	69-17-00N	132-37-00W	8-592000	7686000	26	836000
I77H-MS	169	107C/8W	69-21-00N	132-45-00W	8-587000	7694000	106	760000
I77H-MS	170	107C/2E	69-10-00N	133-00-00W	8-578000	7674000	211	4560000
I77H-MS	171	107C/1W	69-10-00N	132-53-00W	8-584000	7672000	106	1520000
I77H-MS	172	107C/1W	69-07-00N	132-57-00W	8-579000	7669000	106	912000
I77H-MS	173	107C/2E	69-09-00N	133-15-00W	8-569000	7664000	53	684000
I77H-MS	174	107C/2E	69-04-00N	133-17-00W	8-566000	7663000	424	3268000
I77H-MS	175	107C/2E	69-03-00N	133-26-00W	8-560000	7658000	106	1520000
I77H-MS	176	107C/2W	69-04-00N	133-32-00W	8-558000	7662000	848	6080000
I77H-MS	177	107C/8W	69-16-00N	132-54-00W	8-581000	7685000	106	19000000
I80H-GIMS	160A	107C/8W	69-27-00N	132-53-00W	8-582000	7704000	10	300000
I80H-GIMS	160B	107C/8W	69-27-00N	132-53-00W	8-582000	7704000	5	138000
I80H-GIMS	160D	107C/8W	69-27-00N	132-53-00W	8-582000	7704000	3	92000
I80H-GIMS	161C	107C/8W	69-26-00N	132-53-00W	8-582000	7702000	4	90000
I80H-GIMS	161E	107C/8W	69-26-00N	132-53-00W	8-582000	7702000	6	75000
I80H-GIMS	161F	107C/8W	69-26-00N	132-53-00W	8-582000	7702000	4	51000
I83BBT-2S	168	107C/8W	69-16-00N	132-37-00W	8-591500	7684000	938	15000000
I83BBT-2S	211	107C/6E	69-20-00N	134-08-00W	8-530500	7690500	1250	500000
I86EBA-RI	211	107C/5	69-19-00N	134-17-00W	8-528000	7690000	70	494000
I86EBA-RI	211E	107C/6E	69-19-00N	134-07-00W	8-534000	7690000	32	15000
I86EBA-RI	216	107C/3E	69-12-00N	134-17-00W	8-527000	7677000	106	0
I86EBA-RI	216S	107C/3E	69-11-00N	134-18-00W	8-526400	7675000	43	0
I86EBA-RI	217	107C/3E	69-12-00N	134-28-00W	8-522500	7675000	57	7500
I86EBA-RI	217E	107C/3E	69-13-00N	134-20-00W	8-524000	7676000	43	0
I86EBA-RI	218	107C/3	69-15-00N	134-28-00W	8-521500	7683500	69	0
I86EBA-RI	218N	107C/6E	69-18-00N	134-26-00W	8-523500	7688000	106	0
I86EBA-RI	219	107C/3W	69-12-00N	134-34-00W	8-517000	6677000	328	230000
I86H-MS2	155	107C/2W	69-15-00N	133-35-00W	8-555000	7682000	34	1600000
I86H-MS2	163	107C/9E	69-35-00N	132-15-00W	8-608000	7720000	700	15000000
I86H-MS2	181	107C/8W	69-22-00N	132-57-00W	8-583000	7698000	100	260000
I86H-MS2	183	107C/8	69-20-00N	132-52-00W	8-586000	7694000	150	118500
I86H-MS2	184	107C/8	69-18-00N	132-50-00W	8-586000	7692000	60	220000
I87EBA-H	87-H-1	87F/14	70-50-00N	118-00-00W	11-463000	7859000	10	300000
I87EBA-H	87-H-10	87F/15	70-41-00N	117-39-00W	11-476000	7845000	6	75000
I87EBA-H	87-H-11	87F/15	70-38-00N	117-41-00W	11-475000	7838000	10	200000
I87EBA-H	87-H-12	87F/10	70-36-00N	117-35-00W	11-478500	7834000	65	1500000
I87EBA-H	87-H-13	87F/15	70-50-00N	117-56-00W	11-469600	7859500	12	700000
I87EBA-H	87-H-2	87F/14	70-47-00N	118-00-00W	11-463000	7855000	7	75000
I87EBA-H	87-H-4	87F/15	70-45-00N	117-55-00W	11-467000	7851000	9	150000
I87EBA-H	87-H-5	87F/15	70-43-30N	117-50-00W	11-469500	7850000	5	60000
I87EBA-H	87-H-6	87F/15	70-45-00N	117-49-00W	11-471000	7850000	10	200000
I87EBA-H	87-H-7	87F/10	70-44-00N	117-48-30W	11-471000	7849500	8	75000
I87EBA-H	87-H-8	87F/10	70-43-30N	117-48-00W	11-471500	7847000	15	300000
I87EBA-P	87-P-1	97C/8	69-20-00N	124-30-00W	10-440500	7694500	20	8000000

GRANULAR RESOURCES DEPOSIT
LOCATION

STUDY	SOURCE#	MAP	LATITUDE	LONGITUDE	UTM ZONE- EASTING	NORTHING	AREA	VOLUME (cu.m.)
I87EBA-P	87-P-10	97C/8	69-16-00N	124-12-00W	10-450150	7687000	36	700000
I87EBA-P	87-P-11	97D/4	69-02-00N	123-54-00W	10-464000	7694000	100	1500000
I87EBA-P	87-P-12	97D/5	69-17-30N	123-22-00W	10-465000	7689000	75	1200000
I87EBA-P	87-P-13	97D/5	69-17-00N	123-46-00W	10-467000	7689000	120	2500000
I87EBA-P	87-P-14	97D/5	69-16-00N	123-44-00W	10-471000	7687500	75	1600000
I87EBA-P	87-P-15	97D/5	69-17-00N	123-41-00W	10-471500	7688000	20	300000
I87EBA-P	87-P-16	97D/5	69-17-00N	123-40-00W	10-475000	7688000	130	1500000
I87EBA-P	87-P-17	97D/5	69-16-00N	123-40-00W	10-475000	7685000	20	500000
I87EBA-P	87-P-19	97D/4	69-14-00N	123-40-00W	10-475000	7683000	43	1200000
I87EBA-P	87-P-2	97C/8	69-18-00N	124-28-00W	10-434200	7689000	14	700000
I87EBA-P	87-P-20	97D/4	69-13-00N	123-53-00W	10-461000	7679000	25	700000
I87EBA-P	87-P-21	97D/4	69-15-00N	123-53-00W	10-462000	7682000	18	1000000
I87EBA-P	87-P-22	97C/8	69-19-00N	124-07-00W	10-456000	7692000	10	250000
I87EBA-P	87-P-23	97C/8	69-19-00N	124-05-00W	10-458000	7691000	150	2200000
I87EBA-P	87-P-3	97C/1	69-14-00N	124-29-30W	10-434050	7683000	65	1300000
I87EBA-P	87-P-4	97C/1	69-15-00N	124-25-00W	10-444500	7684500	50	500000
I87EBA-P	87-P-6	97C/1	69-14-00N	124-20-00W	10-446000	7681000	40	1200000
I87EBA-P	87-P-7	97C/1	69-10-00N	124-15-00W	10-451000	7678000	70	3000000
I87EBA-P	87-P-9	97C/1	69-14-00N	124-07-00W	10-455000	7682000	100	5000000
I87EBA-SH	87-SH-1	97G/15	71-58-00N	125-32-00W	10-413000	7988000	7	170000
I87EBA-SH	87-SH-10	97B/2	72-07-00N	125-11-00W	10-425000	7995500	310	4500000
I87EBA-SH	87-SH-11	97B/2	72-04-00N	125-30-00W	10-414500	7998500	430	6500000
I87EBA-SH	87-SH-12	97B/2	72-05-00N	125-45-00W	10-407000	7995000	7	100000
I87EBA-SH	87-SH-13	97G/15	71-57-00N	124-57-00W	10-432000	7987500	1	30000
I87EBA-SH	87-SH-2	97G/15	71-58-30N	125-22-00W	10-401650	7989000	1	30000
I87EBA-SH	87-SH-3	97G/15	71-59-00N	125-20-00W	10-418000	7985000	1	25000
I87EBA-SH	87-SH-4	97G/15	71-59-00N	125-17-00W	10-420500	7989000	4	50000
I87EBA-SH	87-SH-5	97G/15	71-59-00N	125-10-00W	10-423500	7989000	2	30000
I87EBA-SH	87-SH-6	97G/15	71-58-00N	125-08-00W	10-427000	7989000	1	20000
I87EBA-SH	87-SH-7	97G/15	71-57-30N	125-34-00W	10-413000	7987500	1	20000
I87EBA-SH	87-SH-8	97G/15	71-58-00N	125-22-00W	10-417500	7988000	15	200000
I87EBA-SH	87-SH-9	97B/1	72-05-00N	124-57-00W	10-432000	7995000	1300	2000000
I87H-1553	155N	107C/2W	69-14-50N	133-37-35W	8-554300	7682425	34	388000
I87H-1553	155S	107C/2W	69-12-45N	133-34-40W	8-556250	7678550	34	257500

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I72RKL-IN	I-400	HUMMOCKY, LOTS OF PONDS	GENTLE	SPHAGUM MOSS WITH SCATTERED BLACK SPRUCE TO 6 M	GLACIOFLUVIAL	OUTWASH
I72RKL-IN	I-401A	ROLLING, HILLOCKS	GRADUAL TO STEEP	MOSS AND DWARF SHRUBS STUMPS FROM PAST FIRE	GLACIOFLUVIAL	KAMES
I72RKL-IN	I-402	BEDROCK EXPOSURE		DISCONTINUOUS COVER OF WHITE BIRCH, SPRUCE, SHRUBS AND MOSS	BEDROCK	EXPOSURE
I72RKL-IN	I-403	IRREGULAR, SLOPING BEDROCK EXPOSURE	GRADUAL TO STEEP	SCATTERED ASPEN AND WHITE SPRUCE TO 6 M WITH MOSS AND DWARF SHRUBS	BEDROCK	EXPOSURE
I72RKL-IN	I-404	BEDROCK EXPOSURE IN HUMMOCKY AREA	GRADUAL TO STEEP	SCATTERED WHITE SPRUCE & ASPEN TO 6 M	BEDROCK	EXPOSURE
I72RKL-IN	I-405A	ROLLING, HUMMOCKY	GRADUAL TO STEEP	HEAVY GROWTH MOSS & SHRUBS HEAVY MOSS & DWARF SHRUB SCATTERED WHITE SPRUCE & ASPEN TO 6 M	GLACIOFLUVIAL	KAME TERRACE ESKER
I72RKL-IN	I-406	ROLLING, HUMMOCKY	GRADUAL TO STEEP	DWARF SPRUCE, ASPEN, WHITE SPRUCE & WHITE BIRCH TO 9 M MOSS, PEAT & SHRUB	GLACIOFLUVIAL	ESKER RIDGE
I72RKL-IN	I-407	RIDGED & DISSECTED	COMPLEX GRADUAL TO STEEP	WHITE & BLACK SPRUCE IN GULLIES SLOPES BARE WITH PATCHES MOSS & SHRUBS	GLACIOFLUVIAL	TERRACE REMNANTS
I72RKL-MS2	T-100	OCEAN SPIT	GENTLE	BARREN	GLACIOFLUVIAL	OCEAN SPIT
I72RKL-MS2	T-101	OCEAN SPIT	GENTLE	BARREN	GLACIOFLUVIAL	OCEAN SPIT
I72RKL-MS2	T-102A	BEACH	GENTLE	BARREN WITH SPARSE PATCHES TUFTED GRASS AND SMALL SHRUBS	GLACIOFLUVIAL LACUSTRINE	BEACH
I72RKL-MS2	T-103A	BEACH	GENTLE	BARREN	GLACIOFLUVIAL LACUSTRINE	BEACH
I72RKL-MS2	T-104A	BEACH	GENTLE	SPARSE GRASS, SMALL SHRUBS & MOSS	GLACIOFLUVIAL LACUSTRINE	BEACH
I72RKL-MS2	T-105	BEACH	GENTLE	TUNDRA- PEAT, MOSS, GRASS	GLACIOFLUVIAL LACUSTRINE	BEACH
I72RKL-MS2	T-106	SMALL ISLAND	GENTLE	MOSS	GLACIOFLUVIAL LACUSTRINE	ISLAND
I72RKL-MS2	T-107	OCEAN SPIT	GENTLE	BARREN	GLACIOFLUVIAL LACUSTRINE	OCEAN SPIT
I72RKL-MS2	T-108A	OCEAN SPIT	GENTLE	BARREN	GLACIOFLUVIAL LACUSTRINE	OCEAN SPIT
I72RKL-MS2	T-109	OCEAN SPIT	GENTLE	SPARSE- PATCHES GRASS & SMALL SHRUBS	GLACIOFLUVIAL LACUSTRINE	OCEAN SPIT
I72RKL-MS2	T-110A	BEACH	GENTLE	SPARSE TO NEGLIGIBLE	GLACIOFLUVIAL LACUSTRINE	BEACH
I72RKL-MS2	T-111A	OCEAN SPIT	GENTLE	SPARSE TO NEGLIGIBLE	GLACIOFLUVIAL LACUSTRINE	OCEAN SPIT
I72RKL-MS2	T-112	OCEAN SPIT	GENTLE	SPARSE TO NEGLIGIBLE	GLACIOFLUVIAL LACUSTRINE	OCEAN SPIT
I72RKL-MS2	T-113	ROLLING	GENTLE TO STEEP	MOSS WITH LOW SHRUBS	GLACIOFLUVIAL LACUSTRINE	KAME TERRACE

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I72RKL-MS2 T-114		ROLLING	GENTLE TO STEEP	MOSS AND SMALL SHRUBS	GLACIOFLUVIAL	ESKER
I72RKL-MS2 T-115		ROLLING, KNOLL	GENTLE	MOSS AND LOW SHRUBS	GLACIOFLUVIAL	OUTWASH
I72RKL-Z1 150		SPIT	GENTLE	BARREN	GLACIOFLUVIAL	OCEAN SPIT
I72RKL-Z1 151		ROLLING	GRADUAL TO STEEP	MOSS, LICHENS, SOME DWARF SHRUBS	GLACIOFLUVIAL	OUTWASH, RIDGE AND BEACH
I72RKL-Z1 152A		BEACH	GENTLE	BARREN	GLACIOFLUVIAL	OCEAN SPIT
I72RKL-Z1 153		ROLLING, HUMMOCKY	GRADUAL TO STEEP	MOSS, LICHENS, DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	KAME
I72RKL-Z1 154		ROLLING, HILLOCKY	GRADUAL TO STEEP	MOSS, LICHENS, DWARF BIRCH AND WILLOW KAMES BARREN ON UPPER SLOPES	GLACIOFLUVIAL	KAME
I72RKL-Z1 155		ROLLING, NUMEROUS LAKES	GRADUAL TO STEEP	MOSS AND LICHENS, SCATTERED DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	BENCH
I72RKL-Z2 200A		BEACH	GENTLE TO STEEP	BEACH BARE MOSS, GRASS, LICHENS & DWARF SHRUBS TO 0.9 M	GLACIOFLUVIAL	BEACH & DELTA DEPOSIT
I72RKL-Z2 201A		SLOPING	GRADUAL TO STEEP	MOSS, LICHENS, CONSIDERABLE DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	DELTA PLAIN
I72RKL-Z2 202A		DELTA AND BEACH REMNANT	GENTLE	MOSS, LICHEN, CONSIDERABLE DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	DELTA
I72RKL-Z2 203A		SLOPING DELTA AND BEACH	GRADUAL TO STEEP	MOSS, LICHENS, CONSIDERABLE DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	DELTA AND BEACH
I72RKL-Z2 204		RIDGE	GRADUAL TO STEEP	MOSS, LICHENS, SCATTERED SHRUBS SOME SPRUCE ON SLOPES	GLACIOFLUVIAL	TERRACE
I72RKL-Z2 205A		HILLOCKS	GENTLE TO GRADUAL	MOSS, LICHEN, SOME DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	KAME REMNANT
I72RKL-Z2 206		ROUNDED RIDGES	GRADUAL	MOSS, LICHEN, SCATTERED DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	ESKER REMNANT
I72RKL-Z2 207		ROLLING, HUMMOCKY	GRADUAL TO STEEP	MOSS, LICHEN AND DWARF BIRCH	GLACIOFLUVIAL	KAME-ESKER COMPLEX
I72RKL-Z2 208		TERRACE	GRADUAL TO STEEP	MOSS, LICHEN, DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	TERRACE REMNANT
I72RKL-Z2 209		ROLLING	GRADUAL	MOSTLY BARREN SCATTERED GRASS AND DWARF SHRUBS	GLACIOFLUVIAL	KAME
I72RKL-Z2 210A		HILLOCKY, MANY LAKES AND PONDS	GRADUAL	MOSS, LICHEN, DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	TERRACE
I72RKL-Z2 211		ROLLING	GENTLE	MOSTLY BARREN SOME MOSS AND DWARF SHRUB	GLACIOFLUVIAL	ESKER
I72RKL-Z2 212		ROLLING, HUMMOCKY	GENTLE TO GRADUAL	HEAVY MOSS AND DWARF SHRUBS	GLACIOFLUVIAL	OUTWASH REMNANT
I72RKL-Z2 213		ROLLING, PINGO & MELT PONDS	GRADUAL TO STEEP	GRASS, DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	TERRACE REMNANTS
I72RKL-Z2 214		SLOPING EMBANKMENT	GRADUAL	MOSS, LICHENS, SCATTERED DWARF SHRUBS	GLACIOFLUVIAL	TERRACE REMNANT
I72RKL-Z2 215		RIVER BANK	GRADUAL	MOSS, LICHEN, SCATTERED DWARF SHRUBS	GLACIOFLUVIAL	DELTA REMNANT
I72RKL-Z2 216		RIDGE	STEEP	MOSS, LICHEN, SCATTERED DWARF SHRUBS BARE PATCHES	GLACIOFLUVIAL	KAME ESKER

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I72RKL-Z2	217	ROLLING	GENTLE	MOSTLY BARREN PATCHES MOSS AND GRASS	GLACIOFLUVIAL	ESKER
I72RKL-Z2	218	ROLLING HILLOCKS	GRADUAL TO STEEP	SLOPES BARE TOPS PARTLY BARE, SOME MOSS, LICHENS, SCATTERED DWARF SHRUBS	GLACIOFLUVIAL	OUTWASH
I72RKL-Z2	219	LOW RIDGES CLOSE TO LAKE	GENTLE	MOSTLY BARREN SOME MOSS AND SCATTERED SHRUBS	GLACIOFLUVIAL	FLAT-TOPPED RIDGE
I72RKL-Z2	220	RIDGES	GENTLE	MOSTLY BARREN	GLACIOFLUVIAL	ESKER
I72RKL-Z2	221A	ROLLING, HILLOCKY	GRADUAL	MOSS AND FEW DWARF SHRUBS MOSTLY BARREN	GLACIOFLUVIAL	KAME
I72RKL-Z2	222	ROLLING, HUMMOCKY	GRADUAL	MOSS AND FEW DWARF SHRUBS MOSS AND SCATTERED DWARF SHRUBS	GLACIOFLUVIAL	TERRACE BAR
I72RKL-Z2	223	ESKER, KAME AND TERRACE	GENTLE	THIN EXPOSED AREAS MOSTLY BARREN PATCHES MOSS AND DWARF SHRUBS	GLACIOFLUVIAL	ESKER KAME TERRACE
I72RKL-Z2	224	GENTLE KNOLL AT LAKESIDE	GENTLE	MOSTLY BARREN	GLACIOFLUVIAL	ESKER
I72RKL-Z2	225	ESKER	GENTLE	PATCHES MOSS AND DWARF SHRUBS BARREN	GLACIOFLUVIAL	ESKER
I72RKL-Z2	226	IRREGULAR HILLOCKS	GENTLE	PATCHES MOSS AND DWARF SHRUB MOSTLY BARREN	GLACIOFLUVIAL	ESKER-KAME COMPLEX
I72RKL-Z2	227	ROLLING, HILLOCKY	GRADUAL TO STEEP	PATCHES MOSS, GRASS, SMALL SHRUBS SLOPES AND TOPS BARE MOSS AND SCATTERED SHRUBS ELSEWHERE	GLACIOFLUVIAL	KAME
I72RKL-Z3	300A	ROLLING, HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS WITH SPHAGNUM BOGS	GLACIOFLUVIAL	TERRACE REMNANT
I72RKL-Z3	301	HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS WITH SPARSE SPHAGNUM BOGS	GLACIOFLUVIAL	TERRACE REMNANT
I72RKL-Z3	302	ROLLING, HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.6 M	GLACIOFLUVIAL	TERRACE
I72RKL-Z3	303	HUMMOCKY	GRADUAL TO STEEP	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.9 M	GLACIOFLUVIAL	KAME TERRACE
I72RKL-Z3	304	HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 1.2 M, GRASS	GLACIOFLUVIAL	ESKER REMNANT
I72RKL-Z3	305	ROLLING, HUMMOCKY	GENTLE TO GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 1.2 M	GLACIOFLUVIAL	KAME OUTWASH PLAIN
I72RKL-Z3	306	IRREGULAR, HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.9 M KAME TOPS BARE	GLACIOFLUVIAL	KAME OUTWASH PLAIN

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I72RKL-Z3	307	HUMMOCKY		TUNDRA MOSS, LICHENS, DWARF SHRUBS, GRASS TOP OF KAMES BARE	GLACIOFLUVIAL	KAME OUTWASH PLAIN
I72RKL-Z3	308	HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.9 M	GLACIOFLUVIAL	TERRACE REMNANT KAME
I72RKL-Z3	309	HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.6 M KAME TOPS BARE	GLACIOFLUVIAL	KAME FIELD
I72RKL-Z3	310A	ROLLING, HUMMOCKY	GRADUAL TO STEEP	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.6 M, GRASS	GLACIOFLUVIAL LACUSTRINE	KAME ESKER OUTWASH PLAIN
I72RKL-Z3	311	SAND BANK AT EDGE OF STEEP LAKE		BARREN	GLACIOFLUVIAL	BANK ON LAKE
I72RKL-Z3	312	HUMMOCKY	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.9 M, GRASS	GLACIOFLUVIAL	TERRACE
I72RKL-Z3	313	FLAT TO HUMMOCKY	GENTLE	TUNDRA MOSS, LICHENS, DWARF SHRUBS TO 0.3 M	GLACIOFLUVIAL	OUTWASH
I72RKL-Z3	314	HUMMOCKY, ROLLING HILLS	GRADUAL	TUNDRA MOSS, LICHENS, DWARF SHRUBS	GLACIOFLUVIAL	TERRACE
I72RKL-Z3	315	LAKESIDE EMBANKMENT, GENTLE CUT BY STREAMS		TUNDRA MOSS, LICHENS, DWARF SHRUBS	GLACIOFLUVIAL	OUTWASH
I72RKL-Z3	316	GLACIAL SPILLWAY CHANNEL	STEEP	THIN MOSS AND SCATTERED DWARF SHRUBS	GLACIOFLUVIAL	OUTWASH REMNANT
I72RKL-Z3	317	FLAT TO ROLLING HILLS	GRADUAL	THIN TO NON-EXISTANT MOSS, SCATTERED DWARF SHRUBS	GLACIOFLUVIAL	KAME OUTWASH
I72RKL-Z3	318	HILLY, DEEP GULLY	GRADUAL	THIN TO NON-EXISTENT MOSS, LICHENS, DWARF SHRUBS	GLACIOFLUVIAL	OUTWASH ALLUVIAL FAN
I72RKL-Z3	319	IRREGULAR	GRADUAL	THIN TO NONEXISTENT MOSS, LICHENS, DWARF SHRUBS BARE PATCHES	GLACIOFLUVIAL	KAME
I72RKL-Z3	320	IRREGULAR RIDGES & HILLOCKS		TUNDRA MOSS, LICHENS, DWARF SHRUBS	GLACIOFLUVIAL	KAME
I72RKL-Z3	321	GULLIES	GRADUAL	LOWER SLOPES MOSS, LICHENS, DWARF SHRUBS RIDGE TOPS BARE	GLACIOFLUVIAL	OUTWASH
I72RKL-Z3	322	TERRACES SEPARATED BY VALLEY	GRADUAL TO STEEP	THIN TO NON-EXISTENT MOSS, LICHENS, DWARF SHRUB	GLACIOFLUVIAL	TERRACE
I72RKL-Z3	323A	SERIES OF GULLIES CUT BY STREAMS	GRADUAL TO STEEP	SLOPES PARTLY BARE, PARTLY MOSS, DWARF SHRUBS STUNTED SPRUCE IN GULLIES	GLACIOFLUVIAL	TERTIARY DELTAIC DEPOSIT
I72RKL-Z3	324A	SERIES OF GULLIES CUT BY STREAMS	GRADUAL TO STEEP	SLOPES PARTLY BARE, PARTLY MOSS, DWARF SHRUB STUNTED SPRUCE IN GULLIES	GLACIOFLUVIAL	TERTIARY DELTAIC DEPOSIT

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I72RKL-Z3	325	IRREGULAR, CUT BY GULLIES	GRADUAL TO STEEP	MOSS, GRASS, DWARF SHRUBS SPRUCE TO 12 M IN GULLIES	GLACIOFLUVIAL	TERRACE
I72RKL-Z3	326	ELEVATED PLAIN REMNANT	GRADUAL TO STEEP	THIN TO NON-EXISTENT MOSS, LICHENS, DWARF SHRUBS	GLACIOFLUVIAL	DELTA PLAIN
I72RKL-Z3	327	IRREGULAR HILLOCKS AND GULLIES	GRADUAL	MOSS, LICHENS, DWARF SHRUBS	GLACIOFLUVIAL	COMPLEX
I72RKL-Z3	328A	IRREGULAR WITH LAKES	GENTLE	MOSS, LICHENS, SCATTERED DWARF SHRUBS	GLACIOFLUVIAL MORAINAL	
I72RKL-Z4	450	RIDGES	GRADUAL TO STEEP	WHITE SPRUCE TO 7 M AND FEATHER MOSS	GLACIOFLUVIAL	DISCONTINUOUS ESKER RIDGES
I72RKL-Z4	451	GENTLY RISING	GENTLE	WHITE SPRUCE TO 9M, FEATHER MOSS ON ESKER BLACK SPRUCE, SPHAGNUM MOSS LOWLAND	GLACIOFLUVIAL	ESKER
I72RKL-Z4	452	ROLLING	GENTLE, GRADUAL	UPLAND DWARF SHRUBS WITH SOME WHITE SPRUCE & ASPEN 6-9 M	GLACIOFLUVIAL	ESKER REMNANTS
I72RKL-Z4	453	ROLLING, HUMMOCKY	GRADUAL	TRANSITIONAL ZONE BETWEEN BLACK SPRUCE AND SPHAGNUM BOGS	GLACIOFLUVIAL	KAME
I72RKL-Z4	454	BEDROCK KNOLL	STEEP	SCATTERED SPRUCE OR POPLAR, SOME DWARF SHRUBS	BEDROCK	OUTCROP
I72RKL-Z4	455	INACTIVE FLOODPLAIN IN VALLEY BOTTOM	FLAT TO STEEP	WHITE SPRUCE WITH SOME ASPEN SOME TRANSITIONAL BLACK SPRUCE TO SPHAGNUM BOG	GLACIOFLUVIAL	FLOODPLAIN
I72RKL-Z4	456A	RISING, HUMMOCKY	GRADUAL TO STEEP	SCATTERED DWARF SPRUCE, SOME SHRUBS AND DENSE MOSS	GLACIOFLUVIAL	ALLUVIAL FANS
I72RKL-Z4	457A	SLOPING, HUMMOCKY	GRADUAL TO STEEP	SCATTERED DWARF SPRUCE, SOME SHRUBS, DENSE MOSS	GLACIOFLUVIAL	ALLUVIAL FANS
I72RKL-Z4	458A	RIDGE ON A PLAIN	GRADUAL TO STEEP	WHITE SPRUCE WITH SOME ASPEN TO 6 M	GLACIOFLUVIAL	ESKER
I72RKL-Z5	550	IRREGULAR TERRACE	GRADUAL TO STEEP	TUFTED GRASS, OCCASSIONAL STUNTED BLACK SPRUCE GRADING TO DWARF SHRUBS	GLACIOFLUVIAL	TERRACE
I72RKL-Z5	551	HUMMOCKY	GRADUAL	BARREN SOME TUFTED GRASS & OCCASSIONAL BLACK SPRUCE < 6 M	GLACIOFLUVIAL	KAME
I72RKL-Z5	552A			LOW SHRUBS AND BLACK SPRUCE TO 6 M	GLACIOFLUVIAL	ALLUVIAL
I72RKL-Z5	553	INACTIVE FLOOD PLAIN	GENTLE	ASPEN & SPRUCE 12-18 M CANOPY DENS. 40-60% LIGHT COVER BLACK SPRUCE & MOSS	GLACIOFLUVIAL	FLOOD PLAIN
I72RKL-Z5	554	FLAT TO ROLLING		DWARF UPLAND SHRUB ON PLAIN BLACK SPRUCE, ASPEN & LARCH 6-12 M ON RIDGES	GLACIOFLUVIAL	ESKER TERRACE MORAINAL PLAIN
I72RKL-Z5	555	INACTIVE FLOOD PLAIN		ASPEN AND WHITE SPRUCE SOME AREAS SMALL BUSHES AND TUFTED GRASS	GLACIOFLUVIAL	INACTIVE FLOOD PL.
I72RKL-Z6	650	ROLLING	GENTLE	BLACK & UPLAND SPRUCE 6-12 M, LOW ALDER, CANOPY DENSITY 20%	GLACIOFLUVIAL	OUTWASH PLAIN

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I72RKL-Z6	651A	ROLLING		WHITE SPRUCE,PINE,WHITE BIRCH 6-12 M,CANOPY DEN. 50% LOWER SLOPE,20% UPPER	GLACIOFLUVIAL	CONICAL HILL
I72RKL-Z6	652	ROLLING	GRADUAL TO STEEP	BLACK SPRUCE TO 9 M CANOPY DENSITY 30%	GLACIOFLUVIAL	KAME
I72RKL-Z6	653	ROLLING	GRADUAL	BLACK SPRUCE TO 9 M CANOPY DENSITY < 20% IN TRANSITION TO SPHAGNUM BOG	GLACIOFLUVIAL	DISCONTINUOUS ESKER
I72RKL-Z6	654	ROLLING	GRADUAL	BLACK SPRUCE TO 12 M CANOPY DENSITY 40%	GLACIOFLUVIAL	OUTWASH PLAIN ESKER
I72RKL-Z6	655A	RIDGE	GRADUAL	BLACK SPRUCE SPHAGNUM BOG POPLAR & WHITE SPRUCE TO 12 M CANOPY DENSITY 40%	GLACIOFLUVIAL	KAME ESKER RIDGE OR KAME TERRACE
I74KL-PL	1	GENTLY ROLLING RIVER TERRACE	GENTLE	SCRUB BRUSH	GLACIOFLUVIAL	TERRACE
I74KL-PL	10	ROLLING	GENTLE	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	KAME OUTWASH PLAIN
I74KL-PL	11	BROAD, ROLLING OUTWASH PLAIN	GENTLE	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN
I74KL-PL	2	RIVER TERRACE	GENTLE	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	TERRACE
I74KL-PL	3	RIVER TERRACE	GENTLE	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	TERRACE
I74KL-PL	4	HIGH TERRACE	FLAT		GLACIOFLUVIAL	TERRACE
I74KL-PL	5	KAME FIELD	STEEP	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	KAME ON OUTWASH PLAIN
I74KL-PL	6	KAME KNOLL	STEEP	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	KAME
I74KL-PL	7	RIVER TERRACE	GRADUAL	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	TERRACE
I74KL-PL	8	BROAD RIVER TERRACE	GRADUAL	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	TERRACE
I74KL-PL	9	RIVER TERRACE	GENTLE	SCRUB BRUSH, TUNDRA	GLACIOFLUVIAL	TERRACE
I75EBA-YA	YAYA-A	ROLLING, HUMMOCKY TO STEEP RIDGES	GRADUAL TO STEEP	SHRUBBY HEATH TUNDRA	GLACIOFLUVIAL LACUSTRINE	ESKER-KAME COMPLEX
I75EBA-YA	YAYA-B	ROLLING, HUMMOCKY TO STEEP RIDGES	GRADUAL TO STEEP	SHRUBBY HEATH TUNDRA	GLACIOFLUVIAL LACUSTRINE	ESKER-KAME COMPLEX
I75EBA-YA	YAYA-C1	ROLLING, HUMMOCKY TO STEEP RIDGES	GRADUAL TO STEEP	SHRUBBY HEATH TUNDRA	GLACIOFLUVIAL LACUSTRINE	ESKER-KAME COMPLEX
I75EBA-YA	YAYA-C2	ROLLING, HUMMOCKY TO STEEP RIDGES	GRADUAL TO STEEP	SHRUBBY HEATH TUNDRA	GLACIOFLUVIAL LACUSTRINE	ESKER-KAME COMPLEX
I75EBA-YA	YAYA-D	ROLLING, HUMMOCKY TO STEEP RIDGES	GRADUAL TO STEEP	SHRUBBY HEATH TUNDRA	GLACIOFLUVIAL LACUSTRINE	ESKER-KAME COMPLEX
I76EBA-MS	222	FLAT-TOPPED, LOW LYING PLATEAUS	GRADUAL TO STEEP	SPARSE DWARF WILLOW, FLOWERING PLANTS, GRASSES, LICHENS, MOSS	GLACIOFLUVIAL	TERRACE REMNANTS
I76EBA-MS	303	FLAT-TOPPED RIDGE NEAR RIVER BANK	GRADUAL TO STEEP	ARCTIC TUNDRA, DWARF SHRUBS, FLOWERING PLANTS	GLACIOFLUVIAL	TERRACE
I76EBA-MS	326	HIGH, ROLLING PLATEAU WITH DRAINAGE CHANNELS	GRADUAL TO STEEP	THIN COVER GRASS,MOSS,LICHENS TUNDRA- WILLOW, FLOWERING PLANTS, GRASS	GLACIOFLUVIAL	OUTWASH PLAIN
I76H-GYMS	460	CANYON	GRADUAL	SCATTERED SPRUCE ON S SLOPES PATCHY HERBACEOUS PLANTS AND SHRUBS DRIFTWOOD	GLACIOFLUVIAL	FLOODPLAIN

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I76H-GYMS	462	HUMMOCKY TO STEEP TERRACES	STEEP	SEDGE TUSsock TUNDRA, SOME AREAS BARREN	GLACIOFLUVIAL	TERRACES
I76H-GYMS	463	ROUNDED RIDGES	GENTLE TO MODERATE	BARREN PATCHES OF MOSS, SEDGES, LICHENS, SHRUBS	GLACIOFLUVIAL	SCREE-COVERED RIDGE
I76H-GYMS	464	IRREGULAR KNOBS & CLIFFS OF BEDROCK	MODERATE TO STEEP	BARE PATCHES OF MOSS, SEDGE	GLACIOFLUVIAL	BEDROCK
I76H-GYMS	465	BROAD HILL WITH TERRACES	GRADUAL TO STEEP	LICHENS AND PATCHES OF TUNDRA, GLACIOFLUVIAL BARREN PATCHES	GLACIOFLUVIAL	TERRACES
I76H-GYMS	466	LARGE BARS ON FLOODPLAIN	GENTLE TO NONE	SPARSE PATCHES AND THICKETS OF WILLOW & ALDER DRIFTWOOD	GLACIOFLUVIAL	ACTIVE FLOODPLAIN
I76H-GYMS	467	BENCH WITH ADJOINING ESCARPMENT	GRADUAL TO STEEP	LICHENS AND SHRUBS SOME SPRUCE ON ESCARPMENT EDGES	GLACIOFLUVIAL	KAME DELTAS
I76H-GYMS	468	ESCARPMENT WITH RIDGE AND TALUS FANS	GRADUAL TO STEEP	GENERALLY BARREN, PATCHES OF TUNDRA	GLACIOFLUVIAL	ESCARPMENT, BEDROCK RIDGES
I76H-GYMS	469	CUESTA- ESCARPMENT WITH TALUS CONES	GRADUAL	CLIFFS BARREN BIRCH AND OCCASSIONAL WILLOW	GLACIOFLUVIAL	SMALL CUESTA
I77H-MS	156	OCEAN SPITS	GENTLE	GENERALLY BARE	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	157	OCEAN SPITS AND BEACH	GENTLE	GENERALLY BARREN	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	158	OCEAN REEFS AND SHOALS	GENTLE		GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	159	ROLLING, HUMMOCKY	GRADUAL	BIRCH-HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	160	ROLLING, HUMMOCKY	GRADUAL	BIRCH HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN AND RIDGES
I77H-MS	161	ROLLING, HUMMOCKY	GRADUAL	BIRCH HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	162	UNDERWATER SEDIMENTS			GLACIOFLUVIAL	HARBOUR SEDIMENTS
I77H-MS	163	ROLLING, HUMMOCKY	GRADUAL	BIRCH HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	164	ROLLING, HUMMOCKY	GRADUAL	BIRCH HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	165	ROLLING, HUMMOCKY	GRADUAL	DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	OUTWASH PLAIN KAME
I77H-MS	166	ROLLING, HUMMOCKY	GRADUAL	DWARF BIRCH AND WILLOW	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX
I77H-MS	167	ROLLING, HUMMOCKY	GRADUAL	SHRUBBY TUNDRA WITH BARE PATCHES	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX
I77H-MS	168	ROLLING, HUMMOCKY	GRADUAL	SHRUBBY TUNDRA SOME BARE PATCHES	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX ESKER RIDGE
I77H-MS	169	ROLLING, HUMMOCKY	GRADUAL	DWARF WILLOW AND FEW SEDGES	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	170	ROLLING, HUMMOCKY	GRADUAL	DWARF BIRCH, WILLOW, MOSS	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	171	HUMMOCKY, ROLLING	GRADUAL	SHRUBBY TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX
I77H-MS	172	HUMMOCKY, ROLLING	GRADUAL	SHRUBBY TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX
I77H-MS	173	ROLING, HUMMOCKY	GRADUAL	SHRUBBY TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I77H-MS	174	ROLLING, HUMMOCKY	GRADUAL	DWARF BIRCH AND WILLOW, MOSS	GLACIOFLUVIAL	OUTWASH PLAIN KAME COMPLEX
I77H-MS	175	ROLLING, HUMMOCKY	GRADUAL	DWARF BIRCH AND WILLOW, MOSS	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	176	ROLLING, HUMMOCKY	GENTLE	DWARF BIRCH AND WILLOW, MOSS	GLACIOFLUVIAL	OUTWASH PLAIN
I77H-MS	177	ROLLING, HUMMOCKY	GRADUAL	SHRUBBY TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN
I80H-GIMS	160A	FLAT TO GENTLY ROLLING, HUMMOCKY	FLAT TO GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN TERRACE
I80H-GIMS	160B	ROLLING TO HUMMOCKY	GENTLE TO MODERATE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	TERRACE
I80H-GIMS	160D	FLAT TO GENTLY ROLLING	GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN TERRACE
I80H-GIMS	161C	FLAT TO GENTLY ROLLING	GENTLE TO MODERATE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN TERRACE
I80H-GIMS	161E	FLAT TO GENTLY ROLLING	GENTLE TO MODERATE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN TERRACE
I80H-GIMS	161F	NARROW RIDGE	MODERATE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN TERRACE
I838BT-2S	168	RIDGE	GENTLE	LOW SHRUBBY TUNDRA	GLACIOFLUVIAL	ESKER KAME
I838BT-2S	211	ROLLING, HUMMOCKY	GENTLE	MOSTLY BARREN THIN MOSS, DWARF SHRUB	GLACIOFLUVIAL	EKSER RIDGE
I86EBA-RI	211	RIDGE	GRADUAL	MOSTLY BARREN	GLACIOFLUVIAL	ESKER
I86EBA-RI	211E	RIDGE	GRADUAL	MOSTLY BARREN	GLACIOFLUVIAL	RIDGE TERRACE
I86EBA-RI	216	RIDGE POCKETED WITH KETTLE-LIKE LAKES	STEEP		GLACIOFLUVIAL	RIDGE
I86EBA-RI	216S	HILLOCK	GRADUAL		GLACIOFLUVIAL	OUTWASH PLAIN
I86EBA-RI	217	RIDGE	GRADUAL		GLACIOFLUVIAL	RIDGE
I86EBA-RI	217E	ROLLING, HUMMOCKY	GRADUAL		GLACIOFLUVIAL	KAMES TERRACES
I86EBA-RI	218	HILLOCKS	GRADUAL		GLACIOFLUVIAL	HILLOCKS
I86EBA-RI	218N	SMALL HILLOCKS AND RIDGES	GRADUAL		GLACIAL	OUTWASH
I86EBA-RI	219	RIDGES	GRADUAL		GLACIOFLUVIAL	FLAT-TOPPED RIDGE
I86H-MS2	155	FLAT-TOPPED RIDGES & PLATEAUS	SIMPLE, FLAT-GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME TERRACE
I86H-MS2	163	UNDULATING, LOW HILLS	SIMPLE, FLAT TO GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME TERRACE
I86H-MS2	181	ROLLING, HUMMOCKY	SIMPLE, FLAT TO GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME TERRACE
I86H-MS2	183	ROLLING, HUMMOCKY	SIMPLE, FLAT TO GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME TERRACE
I86H-MS2	184	ROLLING, HUMMOCKY	SIMPLE, FLAT TO GENTLE	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN KAME TERRACE

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
I87EBA-H	87-H-1	UPLAND	GENTLE	BARREN	GLACIOMARINE	RAISED BEACH
I87EBA-H	87-H-10	COASTAL SLOPE	GRADUAL TO STEEP	TUNDRA	GLACIOMARINE	RAISED BEACH
I87EBA-H	87-H-11	COASTAL SLOPE	GRADUAL	TUNDRA	GLACIOMARINE	BEACH ON TALUS
I87EBA-H	87-H-12	COASTAL BLUFFS	GRADUAL	TUNDRA	GLACIOMARINE	RAISED BEACHES
I87EBA-H	87-H-13	UPLAND	GRADUAL	TUNDRA	GLACIOFLUVIAL	DELTA
I87EBA-H	87-H-2	COASTAL BLUFFS	GRADUAL	TUNDRA	GLACIOMARINE	RAISED BEACHES
I87EBA-H	87-H-4	COASTAL BLUFFS	GRADUAL	TUNDRA	GLACIOMARINE	RAISED BEACHES
I87EBA-H	87-H-5	COASTAL SLOPE	GENTLE	TUNDRA	GLACIOMARINE	RAISED BEACH
I87EBA-H	87-H-6	COASTAL PLAIN	GENTLE	TUNDRA	GLACIOLACUSTRINE	REWORKED DELTA
I87EBA-H	87-H-7	BEDROCK RIDGE	GRADUAL	BARREN	GLACIOMARINE	RAISED BEACH
I87EBA-H	87-H-8	HEAD OF A BAY	GRADUAL TO STEEP	TUNDRA	GLACIOMARINE	RAISED BEACHES
I87EBA-P	87-P-1	RIDGES	GRADUAL TO STEEP	TUNDRA	GLACIOMARINE	MORAINAL RIDGE,
					-LACUSTRINE	DELTA
I87EBA-P	87-P-10	VALLEY	GENTLE	TUNDRA	GLACIOLACUSTRINE	DELTA
I87EBA-P	87-P-11	TIDAL FLATS	FLAT	BARREN	GLACIOMARINE	DELTA
I87EBA-P	87-P-12	RAISED TERRACE	GRADUAL	TUNDRA	GLACIOFLUVIAL	FLUVIAL TERRACE
I87EBA-P	87-P-13	LOW TERRACE	GRADUAL	TUNDRA	GLACIOMARINE	DELTAIC TERRACE
I87EBA-P	87-P-14	RIVER BANK	GRADUAL TO STEEP	TUNDRA	GLACIOFLUVIAL	FLUVIAL TERRACES
I87EBA-P	87-P-15	LOW TERRACE	GRADUAL	TUNDRA	GLACIOFLUVIAL	FLUVIAL TERRACE
I87EBA-P	87-P-16	MEANDER PLAIN	FLAT	TUNDRA	GLACIOFLUVIAL	LOW FLUVIAL TERRACE
I87EBA-P	87-P-17	MEANDER PLAIN	GENTLE		GLACIOFLUVIAL	LOW TERRACE
I87EBA-P	87-P-19	MEANDER PLAIN	FLAT	TUNDRA	GLACIOFLUVIAL	LOW FLUVIAL TERRACE
I87EBA-P	87-P-2	INLAND VALLEY	GENTLE	TUNDRA	GLACIOLACUSTRINE	DELTA TERRACE
I87EBA-P	87-P-20	BLUFF OVER LAKE	GRADUAL	TUNDRA	GLACIOLACUSTRINE	BEACH
I87EBA-P	87-P-21	RIDGES	GRADUAL TO STEEP	TUNDRA	GLACIOLACUSTRINE	BEACH
I87EBA-P	87-P-22	COASTAL PLAIN	GENTLE	BARREN	GLACIOMARINE	BEACH
					-LACUSTRINE	
I87EBA-P	87-P-23	RIDGE TOPS	GRADUAL TO STEEP	TUNDRA	GLACIOFLUVIAL	DELTA
I87EBA-P	87-P-3	TALUS SLOPE	GRADUAL	TUNDRA	GLACIOFLUVIAL	ALLUVIAL FAN
I87EBA-P	87-P-4	TALUS SLOPE	GRADUAL	TUNDRA	GLACIOFLUVIAL	ALLUVIAL FAN
I87EBA-P	87-P-6	CREST OF BLUFF	GRADUAL	TUNDRA	GLACIOFLUVIAL	
					-LACUSTRINE	
I87EBA-P	87-P-7	UPLAND PLAIN	GRADUAL	TUNDRA	GLACIOFLUVIAL	ESKER
I87EBA-P	87-P-9	HIGH BLUFF	GRADUAL TO STEEP	TUNDRA	GLACIOLACUSTRINE	BASIN
I87EBA-SH	87-SH-1	CREST OF BLUFF	GRADUAL	TUNDRA	GLACIOFLUVIAL	MORAINAL
I87EBA-SH	87-SH-10	MEANDER PLAIN	FLAT	TUNDRA	GLACIOFLUVIAL	ALLUVIAL BARS & TERRACES
I87EBA-SH	87-SH-11	MEANDER PLAIN	FLAT	TUNDRA	GLACIOFLUVIAL	ALLUVIAL BARS & TERRACES
I87EBA-SH	87-SH-12	COASTAL LAGOON	FLAT	BARREN	GLACIOFLUVIAL	COASTAL SPIT
I87EBA-SH	87-SH-13	BEACH	GRADUAL	BARREN	GLACIOMARINE	BARRIER BAR
I87EBA-SH	87-SH-2	CREST OF BLUFF	GRADUAL	TUNDRA	GLACIOFLUVIAL	MORAINAL
I87EBA-SH	87-SH-3	CREST OF BLUFF	GRADUAL	TUNDRA	GLACIOFLUVIAL	MORAINAL
I87EBA-SH	87-SH-4	BLUFFS	GRADUAL	TUNDRA	GLACIOFLUVIAL	MORAINAL
I87EBA-SH	87-SH-5	BLUFFS	GRADUAL	TUNDRA	GLACIOMARINE	MORAINAL
I87EBA-SH	87-SH-6	TOP OF BLUFFS	GRADUAL	TUNDRA	GLACIOMARINE	MORAINAL
I87EBA-SH	87-SH-7	BAYMOUTH BAR	GRADUAL	BARREN	GLACIOFLUVIAL	COASTAL SPIT
I87EBA-SH	87-SH-8	BEACH	FLAT	NONE	GLACIOFLUVIAL	COASTAL SPIT

GRANULAR RESOURCE DEPOSIT
SITE DESCRIPTION

STUDY	SOURCE#	TOPOGRAPHY	SLOPE	VEGETATION	GEOLOGIC ORIGIN	SURFICIAL FEATURE
187EBA-SH	87-SH-9	MEANDER PLAIN	FLAT	TUNDRA	GLACIOFLUVIAL	ALLUVIAL BARS & TERRACES
187H-1553	155N	FLAT TOPPED PLATEAU	MODERATE-STEEP AT PERIMTR	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	OUTWASH PLAIN TERRACE
187H-1553	155S	BROAD, FLAT TOPPED RIDGES	MODERATE-STEEP AT PERIMTR	SHRUB HEATH TUNDRA	GLACIOFLUVIAL	KAME OUTWASH TERRACES

GRANULAR RESOURCE DEPOSIT
STRATIGRAPHY

STUDY	SOURCE#	OVERBURDEN	OVERBURDEN THICKNESS	GRANULAR MATERIAL	GRANULAR THICKNESS	UNDERBURDEN
I72RKL-IN	I-400	SILT- organic, roots	0.3-0.4-0.9	SAND- some gravel, some silt	0.9-4.2-9.1	MASSIVE ICE
I72RKL-IN	I-401A	SILT- organic and peat	0.2-0.4-0.8	SILT- some gravel, some sand	0.8-2.3-4.6	MASSIVE ICE
I72RKL-IN	I-402	SILT- and organics, roots	0.3	SHALE- bands of limestone	4.0-6.9-12.2	
I72RKL-IN	I-403			LIMESTONE	12.2	
I72RKL-IN	I-404			SANDSTONE- some shale	7.6	
I72RKL-IN	I-405A	SILT- organics, roots, peat	0.2-0.2-0.3	SAND- and silt	4.3-5.9-9.1	
I72RKL-IN	I-406	PEAT- and silt		SAND- little gravel	1.1	
I72RKL-IN	I-407	SILT- organics, roots	0.2-0.3-0.3	GRAVEL-sand, SAND- some gravel	4.3-6.4-12.2	
I72RKL-MS2	T-100			SAND- little gravel	0-0.6-1.1	WATER
I72RKL-MS2	T-101			SAND- little gravel	1.4	WATER
I72RKL-MS2	T-102A			SAND- little gravel	0.9	SILT- organic
I72RKL-MS2	T-103A			SAND- little gravel	0.9	
I72RKL-MS2	T-104A			SAND- some gravel	0.9	
I72RKL-MS2	T-105			GRAVEL- some sand, trace silt	0.8	
I72RKL-MS2	T-106			GRAVEL- and sand, trace silt	1.5	
I72RKL-MS2	T-107			GRAVEL- sand	0.9	
I72RKL-MS2	T-108A			SAND- gravel	1.2	GROUND ICE
I72RKL-MS2	T-109			GRAVEL- sand	1.2	GROUND ICE
I72RKL-MS2	T-110A			SAND	0.8	
I72RKL-MS2	T-111A			SAND- gravel	1.2	
I72RKL-MS2	T-112			GRAVEL- sand	1.2	
I72RKL-MS2	T-113	SILT- organic, roots	0.3	GRAVEL- some sand	0.9	GROUND ICE
I72RKL-MS2	T-114	PEAT	0.9	GRAVEL- some sand	0.3	
I72RKL-MS2	T-115	PEAT	0.3-0.8-1.2	GRAVEL & SAND	4.9	
I72RKL-Z1	150			SAND- some gravel	0.9	
I72RKL-Z1	151	ORGANIC SOIL		GRAVEL- some sand	2.4	
I72RKL-Z1	152A			SAND- trace silt	0.6	
I72RKL-Z1	153	ORGANICS		GRAVEL- some sand, trace silt	3.0-6.0-9.0	MASSIVE ICE
I72RKL-Z1	154	ORGANIC SILT	0.3	GRAVEL- some sand	0.3-0.6-0.9	MASSIVE ICE
I72RKL-Z1	155	SILT- organic	0.3	SAND- some gravel, little silt	0.9-1.2-1.5	MASSIVE ICE
I72RKL-Z2	200A	MOSS & SILT	0.6	SAND- trace gravel	0.7-5.0-9.1	
I72RKL-Z2	201A	SILT	--0.9	SAND- trace gravel, trace silt	0.3-2.8-4.6	
I72RKL-Z2	202A	SILT	0.9	SAND- trace silt	3.7	
I72RKL-Z2	203A	ORGANIC SILT	0.6	SAND- trace silt	2.4	
I72RKL-Z2	204	ORGANIC	0.6	SAND- gravel	2.5	MASSIVE ICE
I72RKL-Z2	205A	ORGANIC SOIL	0.3	SILT- sand, trace gravel	0.4	MASSIVE ICE
I72RKL-Z2	206	ORGANIC TOPSOIL	0.5	SAND- some silt, trace gravel	1.2-1.8-6.1	MASSIVE ICE
I72RKL-Z2	207	ORGANIC TOPSOIL	0.5	SAND- trace gravel	1.2	MASSIVE ICE
I72RKL-Z2	208	OL- silt	0.3	SAND- some silt		MASSIVE ICE
I72RKL-Z2	209	ORGANIC GROUND COVER		SAND- trace silt	1.8	
I72RKL-Z2	210A	SILT	0.9	SAND- silt	4.6	
I72RKL-Z2	211			SAND- some silt, trace gravel	1.5	
I72RKL-Z2	212	PEAT		SAND- little gravel	1.4	
I72RKL-Z2	213	ORGANIC SILT	--0.6	SAND- trace silt	1.5	
I72RKL-Z2	214			SAND- trace silt	0.6	MASSIVE ICE EXPECTED
I72RKL-Z2	215	PEAT, sand & silt	1.8	SAND- gravel, trace silt	1.2	
I72RKL-Z2	216	OL (silt)	0.3	SAND-little gravel, variab silt	0.9-3.4-5.8	
I72RKL-Z2	217			SAND- trace gravel	0.8	

GRANULAR RESOURCE DEPOSIT
STRATIGRAPHY

STUDY	SOURCE#	OVERBURDEN	OVERBURDEN THICKNESS	GRANULAR MATERIAL	GRANULAR THICKNESS	UNDERBURDEN
I72RKL-Z2	218			SAND- little gravel	1.1	
I72RKL-Z2	219	Pt- trace silt	0.2	GRAVEL & SAND- trace silt	7.2	MASSIVE ICE
I72RKL-Z2	220	ORGANIC SILT (OL)	0.3	SAND- some gravel	5.4	
I72RKL-Z2	221A	ORGANIC SILT	0.3-0.6-0.9	SAND- silt	4.3	MASSIVE ICE
I72RKL-Z2	222	ORGANIC SILT (OL)	1.7	SAND- some gravel, trace silt	4.6	MASSIVE ICE
I72RKL-Z2	223	OL (ORGANIC SILT)	0.3	GRAVEL- sand	3.8	
I72RKL-Z2	224	PEAT- moss	0.3	GRAVEL- sand	3.0-4.5-6.1	
I72RKL-Z2	225	OL (silt & organics)	0.3	SAND- gravel, trace silt	0.8-3.0-6.1	MASSIVE ICE
I72RKL-Z2	226	OL organic silt	0.6	SAND-some gravel GRAVEL- sand	0.9-4.3-8.8	MASSIVE ICE
I72RKL-Z2	227	OL organic silt	0.3	SAND- some gravel, trace silt	1.2-5.4-9.1	MASSIVE ICE
I72RKL-Z3	300A	ORGANIC SILT (OL)	0.3-0.8-1.2	SILT- some gravel, trace sand	0.6-2.5-4.3	MASSIVE ICE
I72RKL-Z3	301	PEAT & organic silt	0.3-0.8-1.2	SAND & GRAVEL- little silt	0.9-3.9-9.1	MASSIVE ICE
I72RKL-Z3	302	ORGANIC SILT, peat, roots	0.1-0.1-0.2	GRAVEL & SAND	0.9-2.3-4.0	
I72RKL-Z3	303	PEAT & organic silt	0.1-0.1-0.2	SAND & GRAVEL- trace silt	0.6-2.9-6.4	
I72RKL-Z3	304	SILT- organic peat	-0.3-	GRAVEL- sand	--3.0	
I72RKL-Z3	305	SILT- organics, peat, roots	0.2-0.3-0.5	SAND & GRAVEL- trace silt	0.6-2.8-4.6	MASSIVE ICE
I72RKL-Z3	306	SILT- organics, peat, roots	0.3-0.4-0.5	GRAVEL- sand	0.9-2.9-4.9	MASSIVE ICE
I72RKL-Z3	307	SILT- organics, peat, roots	0.3-0.5-0.8	GRAVEL & SAND- trace silt	0.6-2.7-4.0	MASSIVE ICE
I72RKL-Z3	308			GRAVEL-little sand, SAND-gravel	0.9	MASSIVE ICE
I72RKL-Z3	309	SILT- organics, peat, roots	0.2-0.7-0.9	SAND & GRAVEL, trace silt	0.5-3.5-9.1	MASSIVE ICE, BEDROCK
I72RKL-Z3	310A	SILT- organics, roots, peat	0.3-0.3-0.3	SAND- silt, trace gravel	0.9-1.1-1.2	MASSIVE ICE
I72RKL-Z3	311	PEAT	0.6-1.1-1.5	SAND- trace silt	0.6-1.4-2.1	MASSIVE ICE
I72RKL-Z3	312	SILT- organics, roots, peat	0.2-0.3-0.5	GRAVEL & SAND- trace silt	0.6-4.4-9.1	SILT & MASSIVE ICE
I72RKL-Z3	313	SILT- organics, roots, peat	0.3-0.4-0.5	SAND- trace silt	0.8-3.6-4.3	MASSIVE ICE
I72RKL-Z3	314	SILT- organic, peat	0.1-0.2-0.3	SAND- gravel	0.6-0.9-1.2	MASSIVE ICE
I72RKL-Z3	315	SILT- organics, root, peat	0.2-0.3-0.3	SAND & GRAVEL- trace silt	0.8-6.3-8.8	BEDROCK, MASSIVE ICE
I72RKL-Z3	316	SILT- organics, roots, peat	0.3-0.4-0.5	SAND- gravel, trace silt	0.6-4.0-9.1	MASSIVE ICE
I72RKL-Z3	317	SILT- organics, peat, roots	0.3-0.3-0.3	GRAVEL- sand, trace silt	2.4-4.4-5.2	MASSIVE ICE
I72RKL-Z3	318	SILT- organic	0.2-0.3-0.3	SAND & GRAVEL	0.6-3.4-8.8	MASSIVE ICE
I72RKL-Z3	319	SILT- organics, roots, peat	0.1-0.2-0.3	GRAVEL- sand	0.9-3.6-9.8	MASSIVE ICE
I72RKL-Z3	320	SILT- organics, roots, peat	0.2-0.3-0.5	SAND- trace gravel, little silt	0.8-5.5-9.1	MASSIVE ICE
I72RKL-Z3	321			SAND- some gravel, trace silt	1.1	
I72RKL-Z3	322	SILT- organics, roots, peat	0.1-0.3-0.6	SAND- some gravel, some silt	0.6-3.3-6.1	MASSIVE ICE
I72RKL-Z3	323A	SILT- little sand	0.1-0.1-0.2	GRAVEL & SAND- trace silt	0.6-1.2-1.5	
I72RKL-Z3	324A	SILT- little sand	0.1-0.1-0.2	GRAVEL & SAND- trace silt	0.6-1.2-1.5	
I72RKL-Z3	325	SILT- organics, roots, peat	0.2-0.3-0.3	GRAVEL- sand, trace silt	1.2-3.2-4.9	
I72RKL-Z3	326	SILT- organic, peat, roots	0.1-0.1-0.3	SAND- gravel, trace silt	0.6-4.1-8.5	
I72RKL-Z3	327	SILT- organics, roots, peat	0.1-0.3-0.8	GRAVEL- some sand, trace silt	4.2-4.3-9.14	MASSIVE ICE
I72RKL-Z3	328A	SILT- organics, roots, peat	0.3-0.3-0.3	SILT- trace sand, trace clay	0.3-2.0-4.6	MASSIVE ICE
I72RKL-Z4	450	PEAT- moss, trace silt	0.2-0.2-0.2	SAND-little gravel, little silt	0.6-0.7-0.8	
I72RKL-Z4	451	PEAT- moss, trace silt	0.2-0.2-0.2	SAND- little silt	0.9	
I72RKL-Z4	452	SILT- organic moss, roots	0.2-0.2-0.2	SAND- gravel, GRAVEL-some sand	0.6-1.0-1.2	
I72RKL-Z4	453			SAND- some gravel	1.2	
I72RKL-Z4	454			SANDSTONE- coarse	30.5	
I72RKL-Z4	455	PEAT- some silt, trace sand	0.3-0.5-0.6	GRAVEL- some sand, trace silt	0.6-0.8-1.2	
I72RKL-Z4	456A	PEAT- moss, roots	0.2	SILT- some sand, trace gravel	0.6	
I72RKL-Z4	457A	PEAT & SILT	0.6-1.1-1.5	SILT- trace gravel, trace sand	0.3	

GRANULAR RESOURCE DEPOSIT
STRATIGRAPHY

STUDY	SOURCE#	OVERBURDEN	OVERBURDEN THICKNESS	GRANULAR MATERIAL	GRANULAR THICKNESS	UNDERBURDEN
I72RKL-Z4	458A	ORGANIC SILT- fine sand	0.3	SILT & sand	1.1-1.3-1.5	
I72RKL-Z5	550			GRAVEL- sand, little silt		
I72RKL-Z5	551	PEAT- trace silt	0.3	GRAVEL- sand	0.6-0.8-0.9	
				SAND-some gravel		
I72RKL-Z5	552A	PEAT- some silt	0.3-0.3-0.3	SILT- little sand	0.6-1.1-1.5	
I72RKL-Z5	553	PEAT	0.3-0.3-0.3	GRAVEL- some sand	0.6-0.8-0.9	
I72RKL-Z5	554	PEAT & organic silt	0.2-0.6-2.1	GRAVEL & sand	0.6-3.9-9.1	
I72RKL-Z5	555			GRAVEL- sand, some boulders	0.6-0.9-1.2	
I72RKL-Z6	650	PEAT- organic silt, roots	0.2-0.8-1.8	GRAVEL & sand	2.4-7.0-12.2	
I72RKL-Z6	651A	PEAT	0.5	SILT- clay	0.8	
I72RKL-Z6	652			SAND- gravel	0.6-1.9-4.3	SILT
I72RKL-Z6	653	SILT- organic roots, peat	0.5	SAND- some gravel, trace silt	6.1	
I72RKL-Z6	654	PEAT & SILT	0.3-0.6-0.9	GRAVEL- sand, some silt	0.6-0.7-0.9	
I72RKL-Z6	655A	PEAT- trace silt	0.3-0.3-0.3	SILT- some sand	1.2-5.0-9.1	
I74KL-PL	1	ORGANIC SILT, PEAT & ICE	0.2-1.1-4.0	GRAVEL-sand, trace silt cobbles	1.2-9.1-18.3	SILT, CLAY, SAND
I74KL-PL	10	ORGANIC SILT	0.9-3.9-8.8	GRAVEL- some sand, trace silt	0-5.2-11.3	MASSIVE ICE
I74KL-PL	11	PEAT, ORGANIC SILT & ICE	0-1.2-2.4	ICE-RICH SILTS, SANDS, GRAVELS	0.5-5.0-17.5	MASSIVE ICE
I74KL-PL	2	ORGANIC SILT, PEAT & ICE	0.1-0.6-2.7	GRAVEL- some sand, trace silt	1.5-6.0-13.7	SILT, SAND, CLAY
I74KL-PL	3	PEAT, SILT & ICE	0.3-2.0-3.7	GRAVEL- sand, trace silt	1.2-7.2-10.4	SILT, CLAY & SAND
I74KL-PL	4	ORGANIC SILT & PEAT	1.1-2.1-3.0	GRAVEL & SAND- trace silt	2.1-8.2-12.2	MASSIVE ICE & SILT
I74KL-PL	5	PEAT, SILT & ICE	0.6-1.6-2.4	GRAVEL-sand, trace cobbles silt	1.2-10.3-18.3	SILT, ICE
I74KL-PL	6	PEAT, SILT & ICE	0.2-4.2-8.2	GRAVEL- sand, trace silt	6.1-9.5-13.1	MASSIVE ICE
I74KL-PL	7	ORGANIC SILT, SAND, PEAT & ICE	0.1-1.0-3.7	GRAVEL-sand, trace cobbles silt	1.5-5.8-9.1	SILT, SAND
I74KL-PL	8	ORGANIC SILT, PEAT & ICE	0.1-0.8-4.3	GRAVEL- sand, trace silt	4.3-7.5-18.3	SANDS, SILTS AND GRAVELS
I74KL-PL	9	SILT & PEAT	0.3-1.7-3.1	GRAVEL- sand, trace silt	4.3-7.0-9.1	SILTS & SANDS
I75EBA-YA	YAYA-A	SILT, ORGANICS & ICE	0-6.2-11.3	SAND- gravel	0-8.3-29.0	SILT, SAND, MASSIVE ICE
I75EBA-YA	YAYA-B	SILT & ORGANICS	0.3-0.9-7.6	SAND- gravel	1.2-6.6-22.6	SILT, SAND, MASSIVE ICE
I75EBA-YA	YAYA-C1	SILT, ORGANICS, CLAY TILL, ICE	0-0.9-8.2	SAND- gravel	0-5.4-14.9	SILT, SAND, MASSIVE ICE
I75EBA-YA	YAYA-C2	SILT & ORGANICS	0-0.5-0.9	SAND- gravel	3.1-6.7-9.1	SILT, SAND, MASSIVE ICE
I75EBA-YA	YAYA-D	SILT & ORGANICS	0-1.5-3.1	SAND- gravel	0-3.2-6.1	SILT, SAND, MASSIVE ICE
I76EBA-MS	222	PEAT- sand, silt, clay	0-1.7-3.4	SAND & GRAVEL- little silt		MASSIVE GROUND ICE
I76EBA-MS	303	PEAT- organic silt, soil	0.9-0.8-1.5	SAND- gravel, some silt		MASSIVE GROUND ICE
I76EBA-MS	326	PEAT- soil, sand, silt, clay	0.1-0.2-0.3	SAND- gravel		MASSIVE GROUND ICE, TILL
I76H-GYMS	460	NONE		GRAVEL- little sand	--9.1	SAND, ROCK, WATER
I76H-GYMS	462	PEAT- organic silt	0.6-1.8-3.0	GRAVEL- sand, little fines	-4.6-10.6	BEDROCK
I76H-GYMS	463			QUARTZ, SANDSTONE, RUBBLE		
I76H-GYMS	464			QUARTZ, SANDSTONE, ROCK RUBBLE	9.1	
I76H-GYMS	465			QUARTZ, SANDSTONE, ROCK RUBBLE	9.0	
I76H-GYMS	466	NONE		GRAVEL- some sand	--4.6	GROUNDWATER
I76H-GYMS	467	ORGANIC CLAY OR SILT	0-0.3-0.6	GRAVEL- some sand	9.1-17.5-25.9	
I76H-GYMS	468			QUARTZ, SANDSTONE, ROCK RUBBLE	6.1	
I76H-GYMS	469			QUARTZ, SANDSTONE, ROCK RUBBLE	9.1	
I77H-MS	156			SAND- some gravel	0.3-0.6-0.9	WATER, ICE
I77H-MS	157	NONE		SAND- some gravel	-1.8-	
I77H-MS	158	ABSENT		SAND- some gravel	0.3	
I77H-MS	159	PEAT- roots, silt	0.3-1.1-1.8	SAND- discontinuous gravel	0-1.0-2.1	ICE
I77H-MS	160	PEAT- some silt	0.6-1.5-2.4	SAND- irregular gravel	0-0.7-3.4	ICE
I77H-MS	161	PEAT- silt	0.3-1.1-1.8	SAND- discontinuous gravel	0-1.5-3.5	ICE

GRANULAR RESOURCE DEPOSIT
STRATIGRAPHY

STUDY	SOURCE#	OVERBURDEN	OVERBURDEN THICKNESS	GRANULAR MATERIAL	GRANULAR THICKNESS	UNDERBURDEN
I77H-MS	162			SAND- gravel	0.3-0.3-0.3	
I77H-MS	163	PEAT and silt	--0.3	SAND- some silt	3.0	
I77H-MS	164	THIN TO NONE		SAND- thin gravel	-3.1-	MASSIVE ICE
I77H-MS	165	PEAT- silt	< 0.9	SAND- gravel	9.1	MASSIVE ICE
I77H-MS	166	SILT- rootlets	NEGLIGIBLE	SAND- gravel	6.1	ICE
I77H-MS	167	PEAT	< 0.6	SAND- gravel	6.1	
I77H-MS	168	SILT	0--0.9	SAND- gravel	6.1	
I77H-MS	169	SILT- organic	2.4	SAND- discontinuous gravel	4.6	
I77H-MS	170	SILT- peat with rootlets	0--1.5	SAND- thin gravel, little silt	9.1	
I77H-MS	171	SILT	--2.1	SAND- gravel	6.1	ICE
I77H-MS	172	PEAT- rootlets	0.9-2.0-3.1	SAND- minor gravel	4.6	ICE
I77H-MS	173	PEAT- silt, little rootlets	0--2.7	SAND- gravel, little silt	4.6	ICE
I77H-MS	174	SILT	VARIABLE	SAND- gravel- some silt	4.6	ICE
I77H-MS	175	PEAT	0--1.5	SAND- localized gravel	6.1	ICE
I77H-MS	176	PEAT- some silt	THIN	SAND- gravel	6.1	ICE
I77H-MS	177	PEAT- some silt	0--1.5	SAND- gravel	4.6	ICE
I80H-GIMS	160A	PEAT- organics, silt	0-0.4-1.0	SAND- little silt and gravel	2.3-3.7-5.6	MASSIVE ICE
I80H-GIMS	160B	PEAT- organics, silt	0.2-0.9-2.5	SAND- gravel, some silt	2.7-4.5-6.0	MASSIVE ICE
I80H-GIMS	160D	PEAT- organics, silt		SAND- gravel	2.0-3.5-4.5	MASSIVE ICE
I80H-GIMS	161C	PEAT- organics, silt	0-0.5-1.6	SAND- some gravel and silt	2.0-2.6-3.7	MASSIVE ICE
I80H-GIMS	161E	PEAT- organics, silt	0-0.1-0.2	SAND- some gravel, trace silt	3.4-4.5-6.2	MASSIVE ICE
I80H-GIMS	161F	PEAT- organics, silt	0-0.1-0.2	SAND- gravel	--3.3	MASSIVE ICE
I83BBT-2S	168	PEAT- organic cover	-1.0-	GRAVEL- sand, little silt	4.5-7.5-10.5	CLAY TILL
I83BBT-2S	211	ORGANIC MATERIAL		SAND- some gravel	-4.6-	MASSIVE ICE
I86EBA-RI	211	PEAT- root, silt	0.3-0.7-0.9	SAND- some gravel	4.0	ICE, COAL, ORGANIC IMPUR
I86EBA-RI	211E	ORGANIC SILT ROOTLETS	0-0.3-0.5	SAND	-2.0-	COAL, SILT, ICE
I86EBA-RI	216	PEAT- organic silt	0.3-0.4-0.5	SAND-variabl silt,trace gravel	-4.5-	SILT, ICE, TILL
I86EBA-RI	216S			SAND- some silt	-4.0-	ICE, SAND, CLAY TILL
I86EBA-RI	217	ROOT MATERIAL, ORGANICS	-0.2-	SAND- silt beds	-5.0-	ICE & SILT
I86EBA-RI	217E	ROOT MATERIAL & ORGANICS	0.2	SILT- sand	7.5	ORGANICS
I86EBA-RI	218	ORGANIC SILT, ROOTS	-0.3-	SAND- silt	-4.5-	SILT, CLAY, ICE
I86EBA-RI	218N	PEAT- rootlets, organic silt	1.5-1.8-2.0	SAND- silt and ice	0-3.3-6.5	ICE-CLAY TILL-SILT
I86EBA-RI	219	PEAT- trace silt	-3.0-	SAND- some gravel		ICE & SILT
I86H-MS2	155	PEAT- over silt, fine sand	0.1-0.4-0.6	SAND & GRAVEL- some silty sand	0.8-1.0-1.2	SAND- trace silt
I86H-MS2	163	PEAT- some silt	0.0-0.2-0.3	SAND- some gravel	0.4-1.1-1.6	SILT
I86H-MS2	181	PEAT- sand, some silt	0.1-0.2-0.3	SAND- some gravel	0.4-0.9-1.3	FROZEN SAND OR SAND & GR
I86H-MS2	183	PEAT- sand, some silt	0.1-0.2-0.3	SAND- some gravel	0.6-1.2-1.7	FROZEN SAND OR SAND & GR
I86H-MS2	184	PEAT- sand, some silt	0.1-0.2-0.3	SAND- some gravel	0.8-1.1-1.4	FROZEN SAND OR SAND & GR
I87EBA-H	87-H-1					
I87EBA-H	87-H-10					
I87EBA-H	87-H-11					
I87EBA-H	87-H-12					
I87EBA-H	87-H-13					
I87EBA-H	87-H-2					
I87EBA-H	87-H-4					
I87EBA-H	87-H-5					
I87EBA-H	87-H-6					
I87EBA-H	87-H-7					

GRANULAR RESOURCE DEPOSIT
STRATIGRAPHY

STUDY	SOURCE#	OVERBURDEN	OVERBURDEN THICKNESS	GRANULAR MATERIAL	GRANULAR THICKNESS	UNDERBURDEN
I87EBA-H	87-H-8					
I87EBA-P	87-P-1					MASSIVE ICE
I87EBA-P	87-P-10					MASSIVE ICE
I87EBA-P	87-P-11					MASSIVE ICE
I87EBA-P	87-P-12					MASSIVE ICE
I87EBA-P	87-P-13					MASSIVE ICE
I87EBA-P	87-P-14					MASSIVE ICE
I87EBA-P	87-P-15					MASSIVE ICE
I87EBA-P	87-P-16					MASSIVE ICE
I87EBA-P	87-P-17					MASSIVE ICE
I87EBA-P	87-P-19					MASSIVE ICE
I87EBA-P	87-P-2					MASSIVE ICE
I87EBA-P	87-P-20					MASSIVE ICE
I87EBA-P	87-P-21					MASSIVE ICE
I87EBA-P	87-P-22					MASSIVE ICE
I87EBA-P	87-P-23					MASSIVE ICE
I87EBA-P	87-P-3					MASSIVE ICE
I87EBA-P	87-P-4					MASSIVE ICE
I87EBA-P	87-P-6					MASSIVE ICE
I87EBA-P	87-P-7					MASSIVE ICE
I87EBA-P	87-P-9					MASSIVE ICE
I87EBA-SH	87-SH-1					MASSIVE ICE
I87EBA-SH	87-SH-10					MASSIVE ICE
I87EBA-SH	87-SH-11					MASSIVE ICE
I87EBA-SH	87-SH-12					MASSIVE ICE
I87EBA-SH	87-SH-13					MASSIVE ICE
I87EBA-SH	87-SH-2					MASSIVE ICE
I87EBA-SH	87-SH-3					MASSIVE ICE
I87EBA-SH	87-SH-4					MASSIVE ICE
I87EBA-SH	87-SH-5					MASSIVE ICE
I87EBA-SH	87-SH-6					MASSIVE ICE
I87EBA-SH	87-SH-7					MASSIVE ICE
I87EBA-SH	87-SH-8					MASSIVE ICE
I87EBA-SH	87-SH-9					MASSIVE ICE
I87H-1553	155N	PEAT- silty inter- or underlay	--1.5	SAND & GRAVEL-some silt & clay	2.9	FROZEN FINE SAND
I87H-1553	155S	PEAT- silty clay, fine sand	--2.1	SAND & GRAVEL- some silty sand	3.9	FROZEN FINE SAND & MASS

GRANULAR RESOURCE DEPOSIT
CLASS OF MATERIAL

STUDY	SOURCE#	AREA	CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5	TOTAL VOLUME
I72RKL-IN	I-400	31			/190000/190000			190000
I72RKL-IN	I-401A	125						0
I72RKL-IN	I-402	31			/4560000/4560000			4560000
I72RKL-IN	I-403	21		/1900000/1900000				1900000
I72RKL-IN	I-404	11			/76000/76000			76000
I72RKL-IN	I-405A	167						0
I72RKL-IN	I-406	11			/30400/30400			30400
I72RKL-IN	I-407	167		/4560000/4560000				4560000
I72RKL-MS2	T-100	3			/60800/			60800
I72RKL-MS2	T-101	52			/76000/			76000
I72RKL-MS2	T-102A	41			/68400/			68400
I72RKL-MS2	T-103A	16			/76000/			76000
I72RKL-MS2	T-104A	33			/19000/			19000
I72RKL-MS2	T-105	33			/22800/			22800
I72RKL-MS2	T-106	5		/38000/				38000
I72RKL-MS2	T-107	5			/15200/			15200
I72RKL-MS2	T-108A	8	/19000/					19000
I72RKL-MS2	T-109	21	/57000/					57000
I72RKL-MS2	T-110A	0				/34200/		34200
I72RKL-MS2	T-111A	5	/15200/					15200
I72RKL-MS2	T-112	21	/19000/					19000
I72RKL-MS2	T-113	62			/1140000/			1140000
I72RKL-MS2	T-114	10		/15200/				15200
I72RKL-MS2	T-115	17		/76000/				76000
I72RKL-Z1	150	63			/152000/152000			152000
I72RKL-Z1	151	752			/380000/380000			380000
I72RKL-Z1	152A	21				/3800/3800		3800
I72RKL-Z1	153	752			/760000/760000			760000
I72RKL-Z1	154	167			/152000/152000			152000
I72RKL-Z1	155	125			/760000/760000			760000
I72RKL-Z2	200A	37			/11400/11400			11400
I72RKL-Z2	201A	1463			/38000/38000			38000
I72RKL-Z2	202A	42						0
I72RKL-Z2	203A	439						0
I72RKL-Z2	204	63			/152000/152000			152000
I72RKL-Z2	205A	21						0
I72RKL-Z2	206	209			/152000/152000			152000
I72RKL-Z2	207	71			/152000/152000			152000
I72RKL-Z2	208	167						0
I72RKL-Z2	209	11				/91200/91200		91200
I72RKL-Z2	210A	501						0
I72RKL-Z2	211	83			/500000/500000			380000
I72RKL-Z2	212	63			/190000/190000			190000
I72RKL-Z2	213	66				/304000/304000		304000
I72RKL-Z2	214	63			/304000/304000			304000
I72RKL-Z2	215	5			/22800/22800			22800
I72RKL-Z2	216	56			/228000/228000			228000
I72RKL-Z2	217	42			/114000/114000			114000

GRANULAR RESOURCE DEPOSIT
CLASS OF MATERIAL

STUDY	SOURCE#	AREA CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5	TOTAL VOLUME
I72RKL-Z2	218	83		/228000/228000			228000
I72RKL-Z2	219	334	/760000/760000				760000
I72RKL-Z2	220	125		/76000/76000			76000
I72RKL-Z2	221A	146					0
I72RKL-Z2	222	188		/7600000/7600000			7600000
I72RKL-Z2	223	146 /4180000/4180000					4180000
I72RKL-Z2	224	84 /1900000/1900000					1900000
I72RKL-Z2	225	125	/760000/760000				760000
I72RKL-Z2	226	104		/304000/304000			304000
I72RKL-Z2	227	418		/304000/304000			304000
I72RKL-Z3	300A	84					0
I72RKL-Z3	301	105		/3040000/3040000			3040000
I72RKL-Z3	302	63 /1140000/1140000					1140000
I72RKL-Z3	303	125		/4560000/4560000			4560000
I72RKL-Z3	304	21		/45600/45600			45600
I72RKL-Z3	305	2007	/228000/228000				228000
I72RKL-Z3	306	836	/114000/114000				114000
I72RKL-Z3	307	335		/114000/114000			114000
I72RKL-Z3	308	84		/15200/15200			15200
I72RKL-Z3	309	376	/1520000/1520000				1520000
I72RKL-Z3	310A	42					0
I72RKL-Z3	311	125		/304000/304000			304000
I72RKL-Z3	312	167	/4560000/4560000				4560000
I72RKL-Z3	313	63		/38000/38000			38000
I72RKL-Z3	314	502		/2280000/2280000			2280000
I72RKL-Z3	315	502	/4560000/4560000				4560000
I72RKL-Z3	316	188		/760000/760000			760000
I72RKL-Z3	317	84		/380000/760000			380000
I72RKL-Z3	318	823		/1520000/1520000			1520000
I72RKL-Z3	319	2508	/380000/1140000				1140000
I72RKL-Z3	320	731		/380000/1140000			1140000
I72RKL-Z3	321	188		/760000/760000			760000
I72RKL-Z3	322	167		/760000/760000			760000
I72RKL-Z3	323A	732	/11400000/11400000				11400000
I72RKL-Z3	324A	502					7600000
I72RKL-Z3	325	523		/380000/760000			760000
I72RKL-Z3	326	627	/15200000/15200000				15200000
I72RKL-Z3	327	418		/76000/76000			76000
I72RKL-Z3	328A	1463					0
I72RKL-Z4	450	31		/304000/304000			304000
I72RKL-Z4	451	10		/38000/38000			38000
I72RKL-Z4	452	84		/1140000/1140000			1140000
I72RKL-Z4	453	16		/7600/7600			7600
I72RKL-Z4	454	25	/7600000/7600000				7600000
I72RKL-Z4	455	50	/380000/380000				380000
I72RKL-Z4	456A	1003					0
I72RKL-Z4	457A	836					0
I72RKL-Z4	458A	84			/456000/456000		456000

GRANULAR RESOURCE DEPOSIT
CLASS OF MATERIAL

STUDY	SOURCE#	AREA	CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5	TOTAL VOLUME
I72RKL-Z5	550	502			/3800000/3800000			3800000
I72RKL-Z5	551	42			/152000/152000			152000
I72RKL-Z5	552A	31				/152000/152000		152000
I72RKL-Z5	553	167		/1900000/1900000				1900000
I72RKL-Z5	554	669		/1900000/1900000				1900000
I72RKL-Z5	555	24		/3800000/3800000				3800000
I72RKL-Z6	650	188	/1140000/1140000	/760000/760000				1900000
I72RKL-Z6	651A	66						0
I72RKL-Z6	652	84		/152000/152000				152000
I72RKL-Z6	653	11		/152000/152000				152000
I72RKL-Z6	654	585			/1520000/1520000			1520000
I72RKL-Z6	655A	21						0
I74KL-PL	1	28		950000/950000/950000				950000
I74KL-PL	10	6						0
I74KL-PL	11	35						0
I74KL-PL	2	29	190000/190000/190000					273600
I74KL-PL	3	19			440800/440800/440800			440800
I74KL-PL	4	7		152000/152000/152000				152000
I74KL-PL	5	6		30400/30400/30400				30400
I74KL-PL	6	4		7600/7600/7600				7600
I74KL-PL	7	42						0
I74KL-PL	8	58			76000/76000/76000			76000
I74KL-PL	9	5		38000/38000/38000				38000
I75EBA-YA	YAYA-A	128						6004000
I75EBA-YA	YAYA-B	100						4180000
I75EBA-YA	YAYA-C1	104						2888000
I75EBA-YA	YAYA-C2	36						152000
I75EBA-YA	YAYA-D	20						0
I76EBA-MS	222	1500		10640000/10640000/				10640000
I76EBA-MS	303	800			4575200/4575200/			4575200
I76EBA-MS	326	2000			10723600/10723600/			10723600
I76H-GYMS	460	348	/19000000/19000000					19000000
I76H-GYMS	462	453		/12540000/12540000				12540000
I76H-GYMS	463	256			/3116000/3116000			3116000
I76H-GYMS	464	214		/5852000/5852000				5852000
I76H-GYMS	465	161	/76000000/76000000					76000000
I76H-GYMS	466	187		/5548000/5548000				5548000
I76H-GYMS	467	313		/15200000/15200000				15200000
I76H-GYMS	468	428		/38000000/38000000				38000000
I76H-GYMS	469	96		/319200/319200				319200
I77H-MS	156	85			/288800/			288800
I77H-MS	157	64				/1292000/		1292000
I77H-MS	158	770		/38000000/				38000000
I77H-MS	159	600		/35000000/				35000000
I77H-MS	160	424			/33400000/			33400000
I77H-MS	161	212			/14440000/			14440000
I77H-MS	162	106			/52440000/			52440000
I77H-MS	163	636				/654000000/		654000000

GRANULAR RESOURCE DEPOSIT
CLASS OF MATERIAL

STUDY	SOURCE#	AREA	CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5	TOTAL VOLUME
I77H-MS	164	423			/2660000/			2660000
I77H-MS	165	105		/1292000/				1292000
I77H-MS	166	106			/129200/			129200
I77H-MS	167	106			/1748000/			1748000
I77H-MS	168	26	/836000/					836000
I77H-MS	169	106		/760000/				760000
I77H-MS	170	211			/4560000/			4560000
I77H-MS	171	106		/1520000/				1520000
I77H-MS	172	106				/912000/		912000
I77H-MS	173	53	/684000/					684000
I77H-MS	174	424		/3268000/				3268000
I77H-MS	175	106				/1520000/		1520000
I77H-MS	176	848	/6080000/					6080000
I77H-MS	177	106		/19000000/				19000000
I80H-GIMS	160A	10		75000/75000/	225000/225000/			300000
I80H-GIMS	160B	5		20000/20000/	128000/128000/			138000
I80H-GIMS	160D	3		92000/92000/				92000
I80H-GIMS	161C	4		13500/13500/				90000
I80H-GIMS	161E	6		15000/15000/	50000/50000/			75000
I80H-GIMS	161F	4		5000/5000/	45000/45000/			51000
I838BT-2S	168	938	600000/600000/150000000					150000000
I838BT-2S	211	1250			500000/500000/			500000
I86EBA-RI	211	70		14500/66500/		121500/427500/		494000
I86EBA-RI	211E	32				15000//		15000
I86EBA-RI	216	106						0
I86EBA-RI	216S	43						0
I86EBA-RI	217	57				7500//		7500
I86EBA-RI	217E	43						0
I86EBA-RI	218	69						0
I86EBA-RI	218N	106						0
I86EBA-RI	219	328		230000//				230000
I86H-MS2	155	34		330000//	531000/1160000/2600000	42000//		1600000
I86H-MS2	163	700			/10000000/150000000			150000000
I86H-MS2	181	100			/2600000/2600000			2600000
I86H-MS2	183	150			/118500/118500			118500
I86H-MS2	184	60			/2200000/2200000			2200000
I87EBA-H	87-H-1	10		//300000				300000
I87EBA-H	87-H-10	6			//75000			75000
I87EBA-H	87-H-11	10			//200000			200000
I87EBA-H	87-H-12	65			//750000			1500000
I87EBA-H	87-H-13	12		//700000				700000
I87EBA-H	87-H-2	7			//75000			75000
I87EBA-H	87-H-4	9		//150000				150000
I87EBA-H	87-H-5	5		/60000/60000				60000
I87EBA-H	87-H-6	10			/200000/200000			200000
I87EBA-H	87-H-7	8		/75000/75000				75000
I87EBA-H	87-H-8	15	3000/3000/3000		/300000/300000			300000
I87EBA-P	87-P-1	20			//8000000			8000000

GRANULAR RESOURCE DEPOSIT
CLASS OF MATERIAL

STUDY	SOURCE#	AREA CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5	TOTAL VOLUME
I87EBA-P	87-P-10	36	//700000				700000
I87EBA-P	87-P-11	100		//1500000			1500000
I87EBA-P	87-P-12	75	//1200000				1200000
I87EBA-P	87-P-13	120	//2500000				2500000
I87EBA-P	87-P-14	75		//1600000			1600000
I87EBA-P	87-P-15	20	//300000				300000
I87EBA-P	87-P-16	130	//1500000				1500000
I87EBA-P	87-P-17	20	//500000				500000
I87EBA-P	87-P-19	43	//1200000				1200000
I87EBA-P	87-P-2	14		//700000			700000
I87EBA-P	87-P-20	25		//700000			700000
I87EBA-P	87-P-21	18		//1000000			1000000
I87EBA-P	87-P-22	10			//250000		250000
I87EBA-P	87-P-23	150		//2200000			2200000
I87EBA-P	87-P-3	65	//1300000				1300000
I87EBA-P	87-P-4	50	//500000				500000
I87EBA-P	87-P-6	40			//1200000		1200000
I87EBA-P	87-P-7	70			//3000000		3000000
I87EBA-P	87-P-9	100			//5000000		5000000
I87EBA-SH	87-SH-1	7		//170000			170000
I87EBA-SH	87-SH-10	310		//4500000			4500000
I87EBA-SH	87-SH-11	430		//6500000			6500000
I87EBA-SH	87-SH-12	7		//100000			100000
I87EBA-SH	87-SH-13	1		//30000			30000
I87EBA-SH	87-SH-2	1		//30000			30000
I87EBA-SH	87-SH-3	1		//25000			25000
I87EBA-SH	87-SH-4	4		/50000/50000			50000
I87EBA-SH	87-SH-5	2		//30000			30000
I87EBA-SH	87-SH-6	1		//20000			20000
I87EBA-SH	87-SH-7	1		//20000			20000
I87EBA-SH	87-SH-8	15		//200000			200000
I87EBA-SH	87-SH-9	1300		//2000000			2000000
I87H-1553	155N	34	47000//	312000//	29000//		388000
I87H-1553	155S	34	1415000/1415000/1415000	109500/109500/109500	6500/6500/6500		257500

*** Total ***

788256700

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I72RKL-IN	I-400	INUVIK HIGHWAY	1.6 0		0 YEAR ROUND ALL WEATHER ROAD
I72RKL-IN	I-401A	MACKENZIE ICE ROAD	9.7 3219R		3219 WINTER ICE ROAD POSSIBLE ACCESS CONSTRUCT
I72RKL-IN	I-402	INUVIK AIRPORT ROAD	12.9		0 YEAR ROUND ROAD ACCESS
I72RKL-IN	I-403	INUVIK HIGHWAY	21.0 0		0 ALL WEATHER ROAD
I72RKL-IN	I-404	INUVIK AIRPORT ROAD	21.0 1600?		1600 ALL WEATHER ROAD
I72RKL-IN	I-405A	INUVIK HIGHWAY	22.5 4800L 4800R	NE ALONG CHAIN OF LAKES 4.8 KM & THEN E OVERLAND 4.8	9600 WINTER ICE ROAD
I72RKL-IN	I-406	INUVIK HIGHWAY	21.0 11265L	NE ALONG CHAIN OF LAKES 4.8 KM THEN N & W OVERLAND 5-6 KM	11265 WINTER ICE ROAD
I72RKL-IN	I-407	MACKENZIE ICE ROAD	64.0 0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-100	COASTAL ICE ROAD	14.5		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-101	COASTAL ICE ROAD	6.4		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-102A	COASTAL ICE ROAD	4.8		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-103A	COASTAL ICE ROAD	3.2		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-104A	WINTER ICE ROAD	2.4	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-105	WINTER ICE ROAD	3.2	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-106	WINTER ICE ROAD	2.4	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-107	WINTER ICE ROAD	1.6	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-108A	LOCAL ROAD	1.6		0 YEAR ROUND ACCESS ROAD
I72RKL-MS2	T-109	WINTER ICE ROAD	4.8		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-MS2	T-110A		0.0		0 BARGE IN SUMMER
I72RKL-MS2	T-111A		0.0		0 BARGE IN SUMMER
I72RKL-MS2	T-112		0.0		0 BARGE IN SUMMER
I72RKL-MS2	T-113	WINTER ICE ROAD	27.2		0 WINTER ICE ROAD
I72RKL-MS2	T-114	WINTER ICE ROAD	25.6		0 WINTER ICE ROAD
I72RKL-MS2	T-115	WINTER ICE ROAD	5.6	ACROSS TUK HARBOUR AND OVERLAND	0 WINTER ICE ROAD
I72RKL-Z1	150	COASTAL ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z1	151	WINTER ICE ROAD	0.0	ACROSS ESKIMO LAKES	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z1	152A	COASTAL ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z1	153	WINTER ICE ROAD	0.0	ACROSS ESKIMO LAKES	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z1	154	WINTER ICE ROAD	0.0	ACROSS ESKIMO LAKES	0 WINTER ICE ROAD BARGE IN SUMMER

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I72RKL-Z1	155	MACKENZIE ICE ROAD	0.0	ALONG KITTIGAZUIT CREEK THEN OVERLAND	0 WINTER ICE ROAD
I72RKL-Z2	200A	WINTER ICE ROAD	0.0	OVER CHANNELS & RIVER	0 WINTER ICE ROAD
I72RKL-Z2	201A		0.0	OVER LAKES AND CHANNELS	0 WINTER ICE ROAD
I72RKL-Z2	202A		0.0	OVER LAKES AND CHANNELS OF DELTA	0 WINTER ICE ROAD
I72RKL-Z2	203A		0.0	OVER LAKES AND CHANNELS OF DELTA	0 WINTER ICE ROAD
I72RKL-Z2	204	MACKENZIE ICE ROAD	88.5		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	205A		0.0		0 WINTER ICE ROAD
I72RKL-Z2	206	MACKENZIE ICE ROAD	80.0 16093L	ACROSS LAKES AND CHANNELS OF DELTA	0 WINTER ICE ROAD
I72RKL-Z2	207	MACKENZIE ICE ROAD	75.0 16000L	ACROSS DELTA	16000 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	208	MACKENZIE ICE ROAD	88.0 17700		17700 WINTER ICE ROAD
I72RKL-Z2	209	COASTAL ICE ROAD	0.0 4828L		4828 WINTER ICE ROAD
I72RKL-Z2	210A		0.0		0 WINTER ICE ROAD
I72RKL-Z2	211	MACKENZIE ICE ROAD	49.0 8047R		8047 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	212	MACKENZIE ICE ROAD	0.0 2000R		4000 WINTER ICE ROAD
I72RKL-Z2	213	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	214	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	215	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	216	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	217	MACKENZIE ICE ROAD	0.0 4828L	OVERLAND	4828 WINTER ICE ROAD
I72RKL-Z2	218	MACKENZIE ICE ROAD	0.0 8047L	OVER LAND AND LAKES	8047 WINTER ICE ROAD
I72RKL-Z2	219	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	220	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	221A	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	222	MACKENZIE ICE ROAD	96.6 0L OR		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	223	MACKENZIE ICE ROAD	0.0 1500L		1500 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	224	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	225	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	226	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z2	227	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I72RKL-Z3	300A	MACKENZIE ICE ROAD	0.0 4572R		4572 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	301	MACKENZIE ICE ROAD	72.0 0L OR	ADJACENT TO RIVER	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	302	MACKENZIE ICE ROAD	80.0 0L OR	ADJACENT TO RIVER	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	303	MACKENZIE ICE ROAD	17.0 0L OR	ADJACENT TO RIVER	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	304	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	305	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	306	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	307	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	308	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	309	MACKENZIE ICE ROAD	71.0		0 WINTER ICE ROAD
I72RKL-Z3	310A	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	311	MACKENZIE ICE ROAD	0.0	ACROSS ESKIMO LAKES	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	312	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	313	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	314	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	315	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	316	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	317	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	318	MACKENZIE ICE ROAD	0.0	DIFFICULT GRADES	0 WINTER ICE ROAD
I72RKL-Z3	319	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	320	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	321	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	322	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	323A	MACKENZIE ICE ROAD	0.0	ALONG EAST CHANNEL OF MACKENZIE RIVER	0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	324A	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I72RKL-Z3	325	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	326	MACKENZIE ICE ROAD	70.8 1600R	OVERLAND	1600 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	327	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z3	328A	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z4	450	DEMPSTER HIGHWAY	39.0 17702L	FROM CAMPBELL L. TURNOFF, ACROSS CHAIN OF LAKES & OVERLAND	17702 WINTER ICE ROAD
I72RKL-Z4	451	DEMPSTER HIGHWAY	42.0 20920L	FROM CAMPBELL L. TURNOFF, ACROSS CHAIN OF LAKES & OVERLAND	20920 WINTER ICE ROAD

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I72RKL-Z4	452	DEMPSTER HIGHWAY	21.0 27000L	FROM CAMPBELL L., ACROSS CHAIN 27000 WINTER ICE ROAD OF LAKES & OVERLAND	
I72RKL-Z4	453	DEMPSTER HIGHWAY	29.0 0	ADJACENT TO DEMPSTER HIGHWAY	0
I72RKL-Z4	454	MACKENZIE ICE ROAD	40.0 0		0 WINTER ICE ROAD BARGE IN SUMMER
I72RKL-Z4	455	WINTER ICE ROAD	24.0 0	ALONG CHANNELS OF DELTA & WILLOW RIVER	0 WINTER ICE ROAD
I72RKL-Z4	456A	MACKENZIE ICE ROAD TO AKLAVIK	24.0 0	ALONG CHANNEL	0 WINTER ICE ROAD SCOW IN SUMMER
I72RKL-Z4	457A	WEST CHANNEL OF MACKENZIE ICE ROAD	34.0 0		0 WINTER ICE ROAD SCOW IN SUMMER
I72RKL-Z4	458A	DEMPSTER HIGHWAY	45.0 0	ADJACENT TO DEMPSTER HIGHWAY	0
I72RKL-Z5	550	WINTER ICE ROAD NW OF FORT MACPHERSON	19.0 12874L	OVERLAND FROM FORT MACPHERSON ICE ROAD	12874 WINTER ICE ROAD
I72RKL-Z5	551	FORT MACPHERSON WINTER ICE ROAD	19.0 9656L	SEISMIC LINE FROM ICE ROAD	9656 SEISMIC LINE & WINTER ICE ROAD
I72RKL-Z5	552A	FORT MACPHERSON WINTER ICE ROAD	19.0 12874L	SEISMIC LINE WITH 20 % GRADE	12874 WINTER ICE ROAD ON SEISMIC LINE
I72RKL-Z5	553	FORT MACPHERSON WINTER ICE ROAD	40.0	SHORT ACCESS FROM FT. MACPHERSON ICE ROAD TO VALLEY	0 WINTER ICE ROAD
I72RKL-Z5	554	FORT MACPHERSON WINTER ICE ROAD	40.0	ADJACENT TO WINTER ROAD	0
I72RKL-Z5	555	DEMPSTER HIGHWAY	13.0 10000L		25749 WINTER ICE ROAD SCOW IN SUMMER
I72RKL-Z6	650	DEMPSTER HIGHWAY	42.0 2414L	ALONG SEISMIC LINE THAT INTERSECTS HIGHWAY	2414 WINTER ICE ROAD OR CONSTRUCT PERMANENT
I72RKL-Z6	651A	DEMPSTER HIGHWAY	42.0 9655	ALONG SEISMIC LINE PAST SOURCE 650	9655 WINTER ICE ROAD
I72RKL-Z6	652	DEMPSTER HIGHWAY	26.0 0	ADJACENT TO HIGHWAY	0
I72RKL-Z6	653	DEMPSTER HIGHWAY	27.0 0	ADJACENT TO HIGHWAY	0
I72RKL-Z6	654	DEMPSTER HIGHWAY	4.8 6437L 16093R	ALONG SEISMIC LINES E & N	22530 WINTER ICE ROAD
I72RKL-Z6	655A	DEMPSTER HIGHWAY	60.0 1600L		1600 WINTER ICE ROAD
I74KL-PL	1		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	10		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	11		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	2		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	3		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	4		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	5		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	6		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	7		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	8		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I74KL-PL	9		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I75EBA-YA	YAYA-A	MACKENZIE ICE ROAD	90.0 5000L 3000R		3000 WINTER ICE ROAD BARGE IN SUMMER
I75EBA-YA	YAYA-B	MACKENZIE ICE ROAD	90.0 5000L 3000R		3000 WINTER ICE ROAD BARGE IN SUMMER

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I75EBA-YA	YAYA-C1	MACKENZIE ICE ROAD	90.0 5000L 3000R		3000 WINTER ICE ROAD BARGE IN SUMMER
I75EBA-YA	YAYA-C2	MACKENZIE ICE ROAD	90.0 5000L 3000R		3000 WINTER ICE ROAD BARGE IN SUMMER
I75EBA-YA	YAYA-D	MACKENZIE ICE ROAD	90.0 5000L 3000R		3000 WINTER ICE ROAD BARGE IN SUMMER
I76EBA-MS	222	MACKENZIE ICE ROAD	0.0	STEEP APPROACHES	0 WINTER ICE ROAD BARGE IN SUMMER
I76EBA-MS	303	MACKENZIE ICE ROAD	0.0	STEEP ACCESS	0 WINTER ICE ROAD BARGE IN SUMMER
I76EBA-MS	326	MACKENZIE ICE ROAD	0.0	STEEP APPROACHES	0 WINTER ICE ROAD BARGE IN SUMMER
I76H-GYMS	460	MACKENZIE ICE ROAD	0.0	ACROSS DELTA & ALONG CHANNELS SUMMER ALONG CHANNELS	0 WINTER ICE ROAD STREAMS AND CHANNELS
I76H-GYMS	462		0.0	ALONG CACHE CK & BIG FISH R CANYONS WINTER & SUMMER	0 WINTER ICE ROAD STREAMS & CHANNELS
I76H-GYMS	463		0.0	CROSSING OF MODERATE SLOPES ON RIDGE TOPS, DIFFICULT	0
I76H-GYMS	464	MACKENZIE ICE ROAD	0.0	ALONG CHANNELS OF MACKENZIE DELTA	0 WINTER ICE ROAD
I76H-GYMS	465	MACKENZIE ICE ROAD	0.0	WINTER- MODERATE SLOPES DOWN CANYON THEN UP WALLS	0 WINTER ICE ROAD STREAM COURSE SUMMER
I76H-GYMS	466	MACKENZIE ICE ROAD	0.0	THROUGH CANYON AND ALONG STREAM	0 WINTER ICE ROAD
I76H-GYMS	467		0.0	ALONG GENTLES SLOPES AND WATER CHANNELS ACROSS DELTA	0 WINTER ICE ROAD STREAM COURSE SUMMER
I76H-GYMS	468		0.0	ACROSS DELTA, STEEP SLOPES AT SITE	0 WINTER ICE ROAD
I76H-GYMS	469		0.0	ACROSS LAKES & CHANNELS OF THE DELTA	0 WINTER ICE ROAD
I77H-MS	156	WINTER ICE ROAD	8.0		0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	157	WINTER ICE ROAD	20.8		0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	158	TUK AREA ICE ROAD	4.8		0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	159	TUK AREA ICE ROAD	2.0	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	160	WINTER ICE ROAD	2.0		0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	161	WINTER ICE ROAD	4.8	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	162	WINTER ICE ROAD	2.9	ACROSS TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I77H-MS	163	WINTER ICE ROAD	35.2	OVERLAND	0 WINTER ICE ROAD
I77H-MS	164	WINTER ICE ROAD	35.2	OVERLAND	0 WINTER ICE ROAD
I77H-MS	165	WINTER ICE ROAD	32.0		0 WINTER ICE ROAD
I77H-MS	166	WINTER ICE ROAD	32.0	OVERLAND	0 WINTER ICE ROAD

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I77H-MS	167	WINTER ICE ROAD	27.2	OVERLAND	0 WINTER ICE ROAD
I77H-MS	168	WINTER ICE ROAD	25.6		0 WINTER ICE ROAD
I77H-MS	169	WINTER ICE ROAD	16.0 8000R	OVERLAND	8000 WINTER ICE ROAD
I77H-MS	170	WINTER ICE ROAD	32.0 4800L	OVERLAND	4800 WINTER ICE ROAD
I77H-MS	171	WINTER ICE ROAD	35.2 0L OR	ALONG PROPOSED TUK-NUVIK HIGHWAY ROUTE	0 WINTER ICE ROAD
I77H-MS	172	WINTER ICE ROAD	36.8 1600L		1600 WINTER ICE ROAD
I77H-MS	173	WINTER ICE ROAD	44.8 4800L		4800 WINTER ICE ROAD
I77H-MS	174	WINTER ICE ROAD	40.0 4800L		4800 WINTER ICE ROAD
I77H-MS	175	WINTER ICE ROAD	49.6 11200L		11200 WINTER ICE ROAD
I77H-MS	176	WINTER ICE ROAD	48.0 14400L	OVERLAND	14400 WINTER ICE ROAD
I77H-MS	177	WINTER ICE ROAD	22.4 1600L		1600 WINTER ICE ROAD
I80H-GIMS	160A		0.0	DOWN TUK HARBOUR	0 WINTER ICE ROAD BARGE IN SUMMER
I80H-GIMS	160B		0.0	ACROSS TUK HARBOUR & MAYOGIAK INLET	0 WINTER ICE ROAD BARGE IN SUMMER
I80H-GIMS	160D		0.0	ACROSS TUK HARBOUR & MAYOGIAK INLET	0 WINTER ICE ROAD BARGE IN SUMMER
I80H-GIMS	161C		0.0	ACROSS TUK HARBOUR & MAYOGIAK INLET	0 WINTER ICE ROAD BARGE IN SUMMER
I80H-GIMS	161E		0.0	ACROSS TUK HARBOUR & MAYOGIAK INLET	0 WINTER ICE ROAD BARGE IN SUMMER
I80H-GIMS	161F		0.0	ACROSS TUK HARBOUR & MAYOGIAK INLET	0 WINTER ICE ROAD BARGE IN SUMMER
I83BBT-2S	168	IMPERIAL OIL ICE ROAD	24.0	PLOWED OVERLAND ACCESS TO 168	10500 WINTER ICE ROAD
I83BBT-2S	211	MACKENZIE ICE ROAD	0.0	OVERLAND ACCESS ON CREEKS AND LAKES	13000 WINTER ICE ROAD
I86EBA-RI	211	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	211E	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	216	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	216S	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	217	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	217E	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	218	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	218N	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD
I86EBA-RI	219	MACKENZIE ICE ROAD	0.0		0 WINTER ICE ROAD BARGE IN SUMMER
I86H-MS2	155	MACKENZIE ICE ROAD	40.0 10000L 5000R	5 KM OVERLAND	5000 WINTER ICE ROAD
I86H-MS2	163	MACKENZIE ICE ROAD	0.0 20000L 6000R	10 KM OVERLAND	10000 WINTER ICE ROAD
I86H-MS2	181	MACKENZIE ICE ROAD	8.0 5000L OR	OVER TUNDRA	4000 WINTER ICE ROAD
I86H-MS2	183	MACKENZIE ICE ROAD	8.0 5000L 5000R	OVER TUNDRA	8000 WINTER ICE ROAD
I86H-MS2	184	MACKENZIE ICE ROAD	8.0 5000L 6000R	OVER TUNDRA	11000 WINTER ICE ROAD

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I87EBA-H	87-H-1		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-H	87-H-10		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-H	87-H-11		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-H	87-H-12		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-H	87-H-13		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-H	87-H-2		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-H	87-H-4		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-H	87-H-5		0.0	ROAD ADJACENT TO COMMUNITY	0 ALL WEATHER ROAD
I87EBA-H	87-H-6		0.0	ROAD ADJACENT TO COMMUNITY	0 ALL WEATHER ROAD
I87EBA-H	87-H-7		0.0	ROAD ADJACENT TO COMMUNITY	0 ALL WEATHER ROAD
I87EBA-H	87-H-8		0.0	ROAD ADJACENT TO COMMUNITY	0 ALL WEATHER ROAD
I87EBA-P	87-P-1		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-10		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-11		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-12		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-13		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-14		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-15		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-16		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-17		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-19		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-2		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-20		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-21		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-22		0.0	CLOSE TO COMMUNITY, OVER TUNDRA	0 WINTER ICE ROAD POSSIBLE SUMMER ACCESS
I87EBA-P	87-P-23		0.0	AT EDGE OF COMMUNITY	0 ALL WEATHER ROAD
I87EBA-P	87-P-3		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-4		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-6		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-7		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-P	87-P-9		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-SH	87-SH-1		0.0	AT EDGE OF COMMUNITY	0 ALL WEATHER ROAD
I87EBA-SH	87-SH-10		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-SH	87-SH-11		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-SH	87-SH-12		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-SH	87-SH-13		0.0	OVER TUNDRA	0 WINTER ICE ROAD BARGE IN SUMMER
I87EBA-SH	87-SH-2		0.0	AT EDGE OF COMMUNITY	0 ALL WEATHER ROAD
I87EBA-SH	87-SH-3		0.0	AT EDGE OF COMMUNITY	0 ALL WEATHER ROAD
I87EBA-SH	87-SH-4		0.0	AT EDGE OF COMMUNITY	0 ALL WEATHER ROAD
I87EBA-SH	87-SH-5		0.0	OVER TUNDRA	0 WINTER ICE ROAD

GRANULAR RESOURCE DEPOSIT
ACCESS

STUDY	SOURCE#	TRANSPORTATION CORRIDOR	KM CORRIDOR POST OFFSET (M)	ACCESS FROM CORRIDOR	DIST ACCESS TYPE (M)
I87EBA-SH	87-SH-6		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87EBA-SH	87-SH-7		0.0	OVER TUNDRA	0 WINTER ICE ROAD TRAIL IN SUMMER
I87EBA-SH	87-SH-8		0.0	OVER TUNDRA	0 WINTER ICE ROAD SUMMER ALONG BEACH
I87EBA-SH	87-SH-9		0.0	OVER TUNDRA	0 WINTER ICE ROAD
I87H-1553	155N	MACKENZIE ICE ROAD	40.0 10000L 5000R	5 KM OVERLAND	5000 WINTER ICE ROAD
I87H-1553	155S	MACKENZIE ICE ROAD	40.0 10000L 7000R	10 KM OVERLAND	10000 WINTER ICE ROAD

GRANULAR RESOURCE DEPOSIT
GRANULAR RESOURCE STUDY CROSS-REFERENCE

STUDY	SOURCE#	REFERENCE
I72RKL-IN	I-400	
I72RKL-IN	I-401A	
I72RKL-IN	I-402	
I72RKL-IN	I-403	
I72RKL-IN	I-404	
I72RKL-IN	I-405A	
I72RKL-IN	I-406	
I72RKL-IN	I-407	
I72RKL-MS2	T-100	I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150
I72RKL-MS2	T-101	I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150
I72RKL-MS2	T-102A	I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150
I72RKL-MS2	T-103A	I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150
I72RKL-MS2	T-104A	I86H-SI1, I77H-MS: 159
I72RKL-MS2	T-105	I86H-SI1, I80H-GIMS: 160A 160B 160D, I77H-MS: 160
I72RKL-MS2	T-106	I86H-SI1, I77H-MS: 159
I72RKL-MS2	T-107	
I72RKL-MS2	T-108A	
I72RKL-MS2	T-109	I86H-SI1, I77H-MS: 156
I72RKL-MS2	T-110A	I86H-SI1, I77H-MS: 156
I72RKL-MS2	T-111A	I86H-SI1, I77H-MS: 156
I72RKL-MS2	T-112	I86H-SI1, I77H-MS: 156
I72RKL-MS2	T-113	I77H-MS: 167
I72RKL-MS2	T-114	
I72RKL-MS2	T-115	
I72RKL-Z1	150	I86H-SI1, I77H-MS: 157, I72RKL-MS2: T-100 T-101 T-102 T-103
I72RKL-Z1	151	I86H-SI1
I72RKL-Z1	152A	
I72RKL-Z1	153	I86H-SI1, I77H-MS: 165
I72RKL-Z1	154	I86H-SI1, I77H-MS: 166
I72RKL-Z1	155	I87H-1553, I86H-SI1, I86H-MS2
I72RKL-Z2	200A	
I72RKL-Z2	201A	
I72RKL-Z2	202A	
I72RKL-Z2	203A	
I72RKL-Z2	204	
I72RKL-Z2	205A	
I72RKL-Z2	206	
I72RKL-Z2	207	
I72RKL-Z2	208	I86H-SI1
I72RKL-Z2	209	
I72RKL-Z2	210A	

GRANULAR RESOURCE DEPOSIT
GRANULAR RESOURCE STUDY CROSS-REFERENCE

STUDY	SOURCE#	REFERENCE
I72RKL-Z2	211	I86H-SI1, I86EBA-RI, I83BBT-2S
I72RKL-Z2	212	
I72RKL-Z2	213	I86H-SI1
I72RKL-Z2	214	I86H-SI1
I72RKL-Z2	215	I86H-SI1
I72RKL-Z2	216	I86EBA-RI
I72RKL-Z2	217	I86EBA-RI
I72RKL-Z2	218	I86EBA-RI
I72RKL-Z2	219	I86EBA-RI
I72RKL-Z2	220	
I72RKL-Z2	221A	
I72RKL-Z2	222	I76EBA-MS
I72RKL-Z2	223	
I72RKL-Z2	224	
I72RKL-Z2	225	
I72RKL-Z2	226	
I72RKL-Z2	227	
I72RKL-Z3	300A	
I72RKL-Z3	301	
I72RKL-Z3	302	
I72RKL-Z3	303	I76EBA-MS
I72RKL-Z3	304	I86H-SI1
I72RKL-Z3	305	
I72RKL-Z3	306	
I72RKL-Z3	307	
I72RKL-Z3	308	
I72RKL-Z3	309	
I72RKL-Z3	310A	
I72RKL-Z3	311	
I72RKL-Z3	312	
I72RKL-Z3	313	
I72RKL-Z3	314	
I72RKL-Z3	315	
I72RKL-Z3	316	
I72RKL-Z3	317	
I72RKL-Z3	318	
I72RKL-Z3	319	
I72RKL-Z3	320	
I72RKL-Z3	321	
I72RKL-Z3	322	
I72RKL-Z3	323A	
I72RKL-Z3	324A	
I72RKL-Z3	325	
I72RKL-Z3	326	I76EBA-MS
I72RKL-Z3	327	
I72RKL-Z3	328A	
I72RKL-Z4	450	
I72RKL-Z4	451	

GRANULAR RESOURCE DEPOSIT
GRANULAR RESOURCE STUDY CROSS-REFERENCE

STUDY SOURCE# REFERENCE

I72RKL-Z4	452	
I72RKL-Z4	453	
I72RKL-Z4	454	
I72RKL-Z4	455	
I72RKL-Z4	456A	
I72RKL-Z4	457A	
I72RKL-Z4	458A	
I72RKL-Z5	550	
I72RKL-Z5	551	
I72RKL-Z5	552A	
I72RKL-Z5	553	
I72RKL-Z5	554	
I72RKL-Z5	555	
I72RKL-Z6	650	
I72RKL-Z6	651A	
I72RKL-Z6	652	
I72RKL-Z6	653	
I72RKL-Z6	654	
I72RKL-Z6	655A	
I74KL-PL	1	
I74KL-PL	10	
I74KL-PL	11	
I74KL-PL	2	
I74KL-PL	3	
I74KL-PL	4	
I74KL-PL	5	
I74KL-PL	6	
I74KL-PL	7	
I74KL-PL	8	
I74KL-PL	9	
I75EBA-YA	YAYA-A	I86H-SI1
I75EBA-YA	YAYA-B	I86H-SI1
I75EBA-YA	YAYA-C1	I86H-SI1
I75EBA-YA	YAYA-C2	I86H-SI1
I75EBA-YA	YAYA-D	I86H-SI1
I76EBA-MS	222	I72RKL-Z2
I76EBA-MS	303	I72RKL-Z3
I76EBA-MS	326	I72RKL-Z3
I76H-GYMS	460	
I76H-GYMS	462	
I76H-GYMS	463	
I76H-GYMS	464	
I76H-GYMS	465	
I76H-GYMS	466	
I76H-GYMS	467	
I76H-GYMS	468	
I76H-GYMS	469	
I77H-MS	156	

I86H-SI1, I72RKL-MS2: T-109
T-110 T-111 T-112

GRANULAR RESOURCE DEPOSIT
GRANULAR RESOURCE STUDY CROSS-REFERENCE

STUDY	SOURCE#	REFERENCE
I77H-MS	157	I86H-SI1, I72RKL-MS2: T-100 T-101 T-102 T-103, I72RKL-Z1: 150
I77H-MS	158	I86H-SI1
I77H-MS	159	I86H-SI1, I72RKL-MS2: T-104 T-106
I77H-MS	160	I86H-SI1, I72RKL-MS2:T-105, I80H-GIMS: 160A 160B 160D
I77H-MS	161	I86H-SI1, I80H-GIMS: 161C 161E 161F
I77H-MS	162	I86H-SI1
I77H-MS	163	I86H-SI1, I86H-MS2
I77H-MS	164	I86H-SI1
I77H-MS	165	I86H-SI1, I72RKL-Z1: 153
I77H-MS	166	I86H-SI1, I72RKL-Z1: 154
I77H-MS	167	I72RKL-MS2: T-113
I77H-MS	168	I86H-SI1, I83BBT-2S
I77H-MS	169	I86H-SI1, I86H-MS2: 183
I77H-MS	170	I86H-SI1
I77H-MS	171	I86H-SI1
I77H-MS	172	I86H-SI1
I77H-MS	173	I86H-SI1
I77H-MS	174	I86H-SI1
I77H-MS	175	I86H-SI1
I77H-MS	176	
I77H-MS	177	I86H-SI1
I80H-GIMS	160A	I86H-SI1, I77H-MS: 160, I72RKL-MS2: T-105
I80H-GIMS	160B	I86H-SI1, I77H-MS: 160, I72RKL-MS2: T-105
I80H-GIMS	160D	I86H-SI1, I77H-MS: 160, I72RKL-MS2: T-105
I80H-GIMS	161C	I86H-SI1, I77H-MS: 161
I80H-GIMS	161E	I86H-SI1, I77H-MS: 161
I80H-GIMS	161F	I86H-SI1, I77H-MS: 161
I83BBT-2S	168	I86H-SI1, I77H-MS
I83BBT-2S	211	I86H-SI1, I86EBA-RI, I72RKL-Z2
I86EBA-RI	211	I86H-SI1, I83BBT-2S, I72RKL-Z2
I86EBA-RI	211E	I86H-SI1, I83BBT-2S, I72RKL-Z2
I86EBA-RI	216	I72RKL-Z2
I86EBA-RI	216S	I72RKL-Z2
I86EBA-RI	217	I72RKL-Z2
I86EBA-RI	217E	I72RKL-Z2
I86EBA-RI	218	I72RKL-Z2
I86EBA-RI	218N	I72RKL-Z2
I86EBA-RI	219	I72RKL-Z2
I86H-MS2	155	I86H-SI1, I86H-1553, I72RKL-Z1
I86H-MS2	163	I86H-SI1, I77H-MS

GRANULAR RESOURCE DEPOSIT
GRANULAR RESOURCE STUDY CROSS-REFERENCE

STUDY	SOURCE#	REFERENCE
I86H-MS2	181	
I86H-MS2	183	I86H-SI1: 169, I77H-MS: 169
I86H-MS2	184	
I87EBA-H	87-H-1	
I87EBA-H	87-H-10	
I87EBA-H	87-H-11	
I87EBA-H	87-H-12	
I87EBA-H	87-H-13	
I87EBA-H	87-H-2	
I87EBA-H	87-H-4	
I87EBA-H	87-H-5	
I87EBA-H	87-H-6	
I87EBA-H	87-H-7	
I87EBA-H	87-H-8	
I87EBA-P	87-P-1	
I87EBA-P	87-P-10	
I87EBA-P	87-P-11	
I87EBA-P	87-P-12	
I87EBA-P	87-P-13	
I87EBA-P	87-P-14	
I87EBA-P	87-P-15	
I87EBA-P	87-P-16	
I87EBA-P	87-P-17	
I87EBA-P	87-P-19	
I87EBA-P	87-P-2	
I87EBA-P	87-P-20	
I87EBA-P	87-P-21	
I87EBA-P	87-P-22	
I87EBA-P	87-P-23	
I87EBA-P	87-P-3	
I87EBA-P	87-P-4	
I87EBA-P	87-P-6	
I87EBA-P	87-P-7	
I87EBA-P	87-P-9	
I87EBA-SH	87-SH-1	
I87EBA-SH	87-SH-10	
I87EBA-SH	87-SH-11	
I87EBA-SH	87-SH-12	
I87EBA-SH	87-SH-13	
I87EBA-SH	87-SH-2	
I87EBA-SH	87-SH-3	
I87EBA-SH	87-SH-4	
I87EBA-SH	87-SH-5	
I87EBA-SH	87-SH-6	
I87EBA-SH	87-SH-7	
I87EBA-SH	87-SH-8	
I87EBA-SH	87-SH-9	
I87H-1553	155N	I86H-SI1, I86H-MS2, I73RKL-Z1

Page No. 6
06/07/88

GRANULAR RESOURCE DEPOSIT
GRANULAR RESOURCE STUDY CROSS-REFERENCE

STUDY	SOURCE#	REFERENCE
-------	---------	-----------

I87H-1553	155S	I86H-SI1, I86H-MS2, I72RKL-Z1
-----------	------	-------------------------------