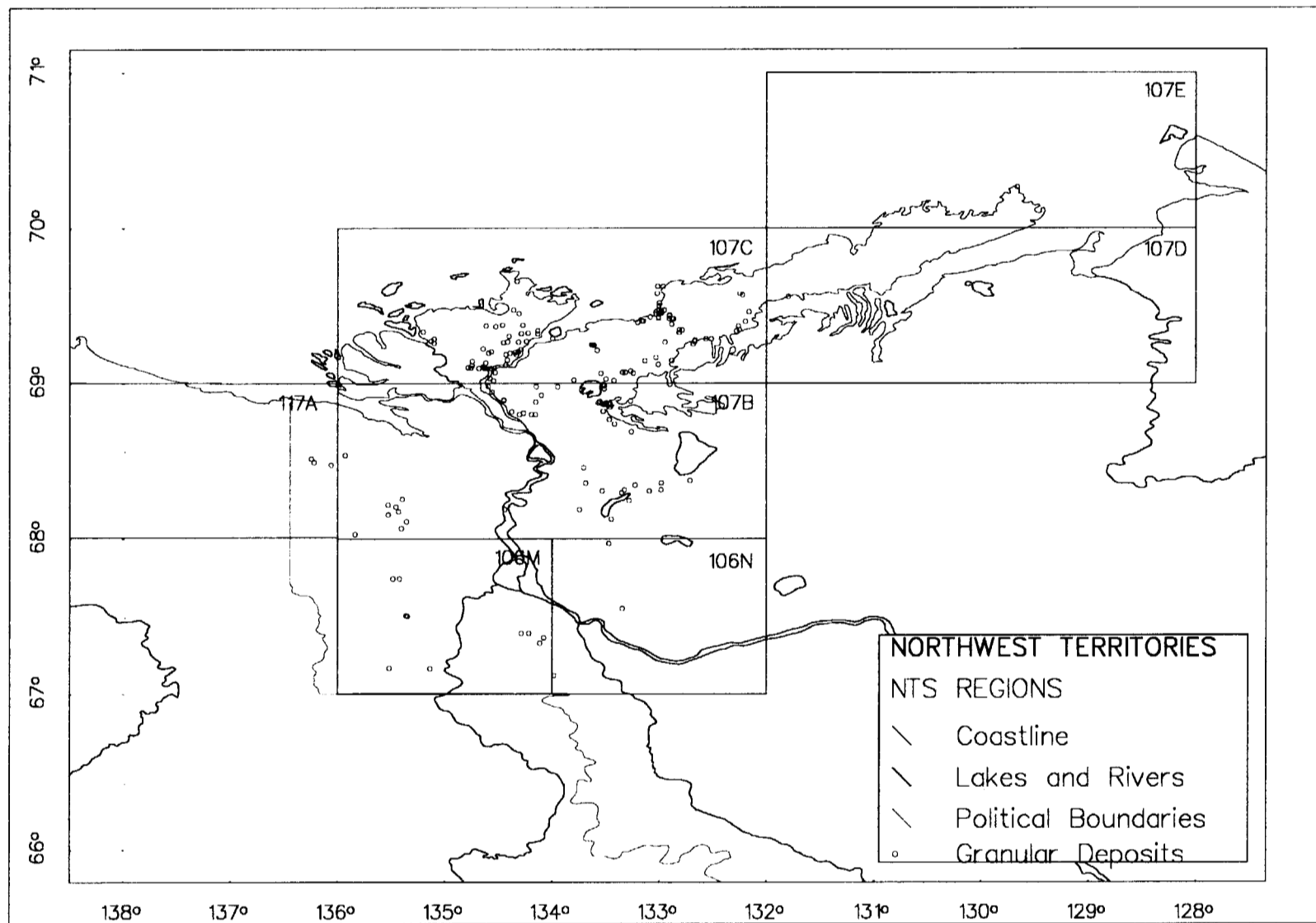


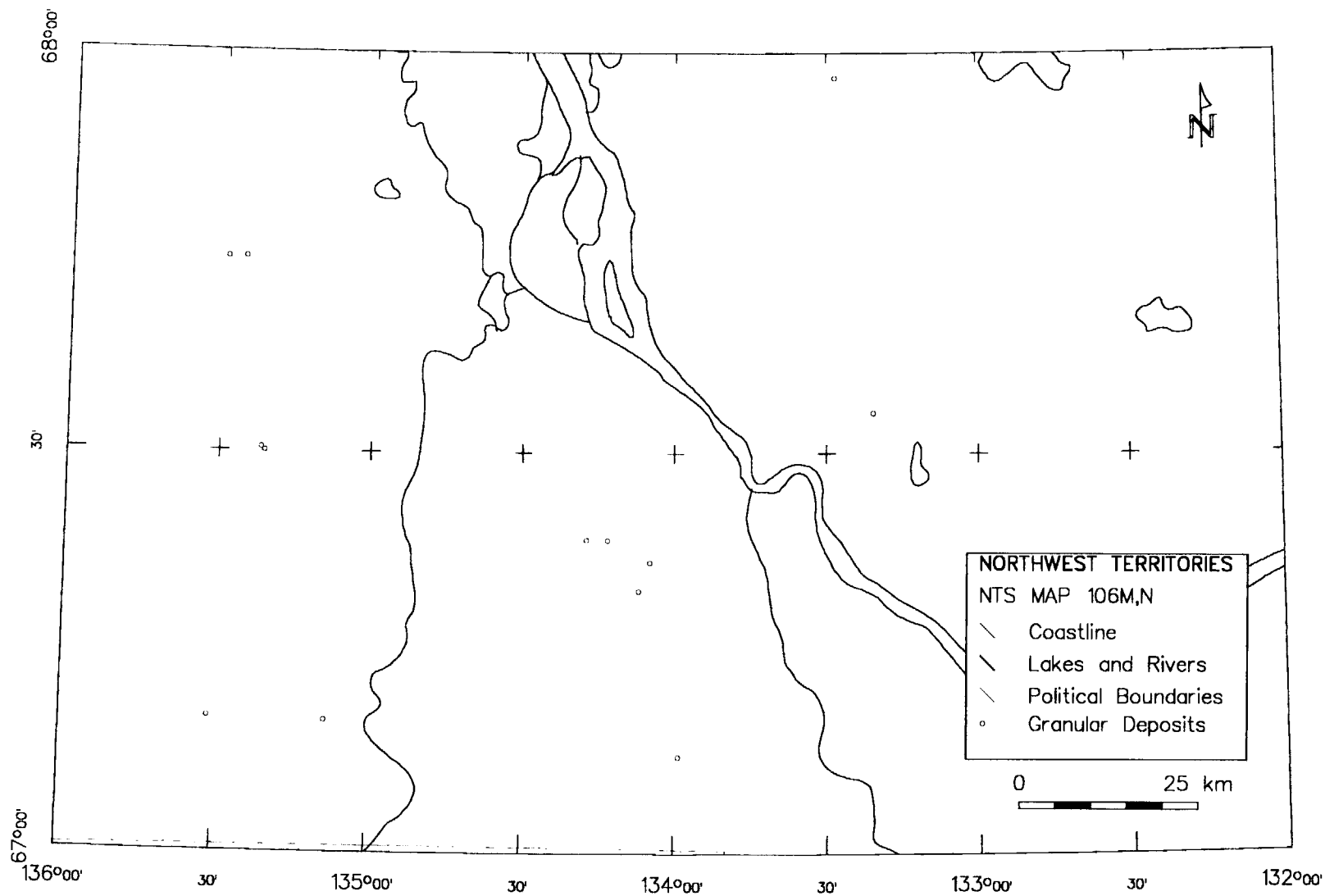
INUVIK AREA

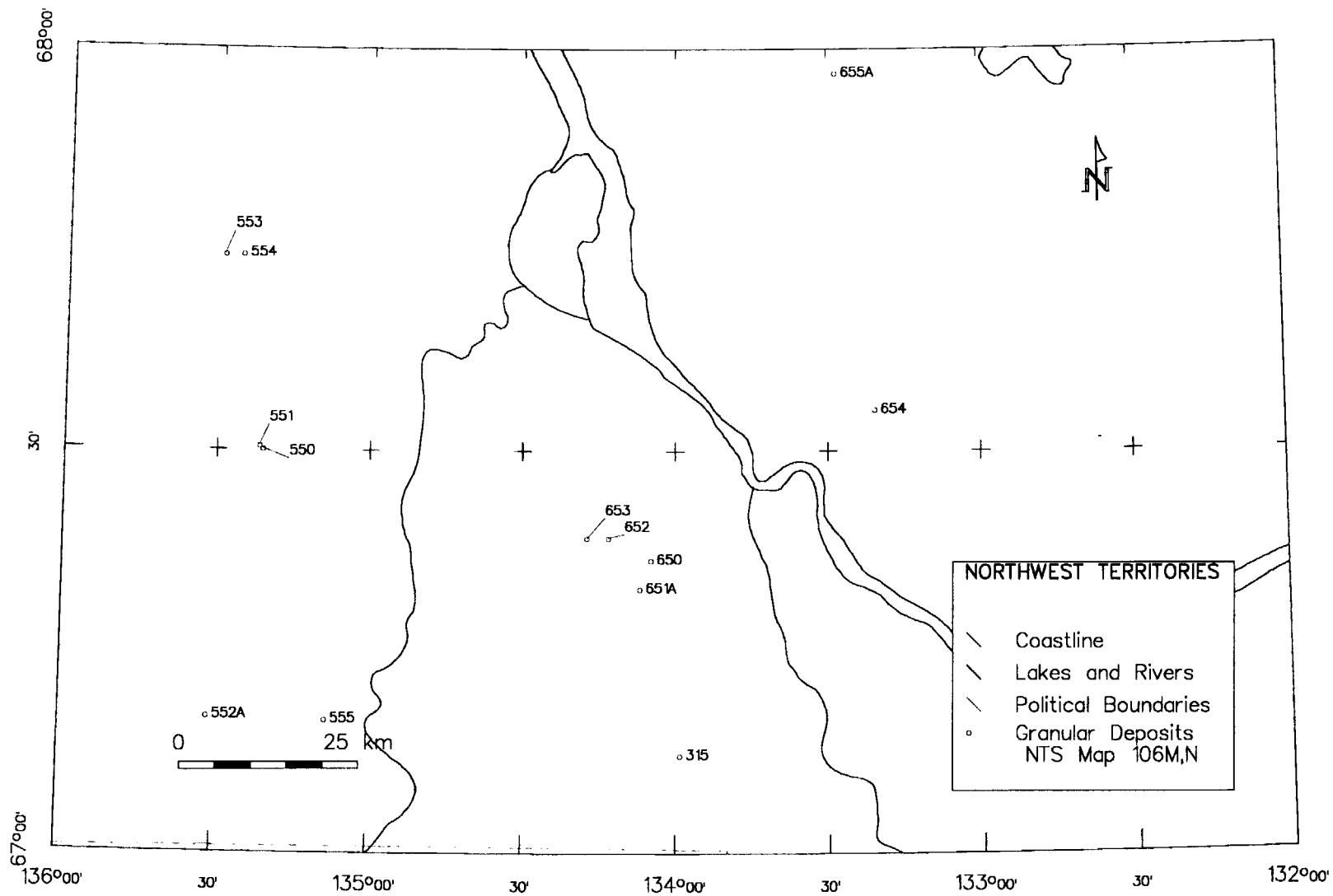
GRANULAR DEPOSITS



D007738







DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
550	/ /	106M/6	485000	7487000	GRAVEL- sand, little silt	GLACIOFLUVIAL
551	/ /	106M/6	484500	7487500	GRAVEL- sand; SAND-some gravel	GLACIOFLUVIAL
552A	/ /	106M/12	477500	7450000	SILT- little sand	GLACIOFLUVIAL
553	/ /	106M/5	479500	7514000	GRAVEL- some sand	GLACIOFLUVIAL
554	/ /	106M/11	482000	7514000	GRAVEL & sand	GLACIOFLUVIAL
555	/ /	106M/3	494000	7449500	GRAVEL- sand, some boulders	GLACIOFLUVIAL
650	/ /	106M/8	539500	7472000	GRAVEL & sand	GLACIOFLUVIAL
651A	/ /	106M/8	538000	7468000	SILT- clay	GLACIOFLUVIAL
652	/ /	106M/8	533500	7475000	SAND- gravel	GLACIOFLUVIAL
653	/ /	106M/8	530500	7475000	SAND- some gravel, trace silt	GLACIOFLUVIAL
654	/ /	106M/9	570500	7493500	GRAVEL- sand, some silt	GLACIOFLUVIAL
655A	/ /	106N/14	564000	7540000	SILT- some sand	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-25          LOCAL NAMES :FORT MACPHERSON AREA    NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :550                NTS MAP REFERENCE :106M/6
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7325

----- Location Details -----
LOCATION           :23 KM NW FORT MACPHERSON          CENTRE ZONE(UTM)   : 8
CORRIDOR NAME    :WINTER ICE ROAD NW OF FORT MACPHERSON CENTRE EASTING(UTM) :485000
CORRIDOR NUMBER  :                                CENTRE NORTHING(UTM) :7487000
OFFSET DISTANCE  :12874                      CENTRE LATITUDE :67.46667
ACCESS LENGTH    :12874                      CENTRE LONGITUDE :135.45000
SOURCE ACCESS    :OVERLAND FROM FORT MACPHERSON ICE ROAD  OFFSET DIRECTION   :L
                                                         KILOMETRE-POST    : 19.0

-----
CONDITION        :WINTER ICE ROAD                DIGITIZER NUMBER  :
LAND TENURE      :CROWN                          STATUS           :UNDEVELOPED
STOCKPILE TYPE   :                                SITE PLAN SCALE  :36000
PAST USE         :SOME TESTPITS DONE IN PAST      AREA           : 502
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN                       -FOR PIPELINE    : 0
                                                         PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   : REPORTS                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :           EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP                LANDFORM       :TERRACE
AREA DRAINAGE          :MODERATELY WELL                 TOPOGRAPHY     :IRREGULAR TERRACE
VEGETATION             :TUFTED GRASS, OCCASSIONAL STUNTED BLACK SPRUCE GRADING TO DWARF SHRUBS
PERMAFROST FEATURES   :

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL- sand, little silt        OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :                                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :SUITABLE                        UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS   :ACCESS CONSTRUCTION; DISTANCE; FURTHER EXPLORATION DRILLING

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :
CLASSIFICATION #      : 0
PETRO NO.             : 0
SIEVE ANAL. #        : 1
PETROGR. NO.:RESULTS :
OTHER TESTS           :
MOISTURE(%):NUMBER   : 0
MOISTURE(%):RESULTS  :
D-50                 :018000
OVERSIZE(%)          :
GRAVEL(%)             :70
SAND(%)               :26
FINES(%)              :4

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :/3800000/3800000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 3800000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 3800000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER :172RKL-Z5	LOCAL NAMES :FORT MACPHERSON	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :551		NTS MAP REFERENCE :106M/6	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	1700000
SOURCE REFERENCE :RKL7325			
----- Location Details -----			
LOCATION :23 KM NW FORT MACPHERSON		CENTRE ZONE(UTM) :	8
CORRIDOR NAME: :FORT MACPHERSON WINTER ICE ROAD		CENTRE EASTING(UTM) :	484500
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) :	7487500
OFFSET DISTANCE :9656	CENTRE LATITUDE :67.46667	OFFSET DIRECTION :	L
ACCESS LENGTH : 9656	CENTRE LONGITUDE :135.30000	KILOMETRE-POST :	19.0
SOURCE ACCESS :SEISMIC LINE FROM ICE ROAD			

CONDITION :SEISMIC LINE & WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE :CROWN	STATUS :DEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE :36000		
PAST USE :STRIPPING- SMALL AREA	AREA : 42		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING :UNKNOWN	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING REPORTS	LAST INVESTIGATION DATE :1972		
GEOPHYSICAL DATA :	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-0.8-0.9	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL	
SLOPE :GRADUAL		LANDFORM :KAME	
AREA DRAINAGE :MODERATELY WELL		TOPOGRAPHY :HUMMOCKY	
VEGETATION :BARREN;SOME TUFTED GRASS & OCCASSIONAL BLACK SPRUCE < 6 M			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :GRAVEL- sand; SAND-some gravel	OVERBURDEN THICKNESS :0.3		
GRANULAR THICKNESS :0.6-0.8-0.9	OVERBURDEN TYPE :PEAT- trace silt		
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :PORCUPINE CARIBOU MIGRATION ROUTE; VARIABILITY & HIGH % UNSOUND ROCK			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :Pt-ML/SM-SW/GW		D-50 :001200-003600-006000	
CLASSIFICATION # : 2		OVERSIZE(%) :	
PETRO NO. : 2	MOISTURE(%) :NUMBER : 2	GRAVEL(%) :16-36-55	
SIEVE ANAL. # : 2	MOISTURE(%) :RESULTS :3-4-5	SAND(%) :41-56-71	
PETROGR. NO.:RESULTS :274-323-373		FINES(%) :4-9-13	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 152000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 152000	
CLASS 3 :/152000/152000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z5	LOCAL NAMES : FORT MACPHERSON AREA	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 552A		NTS MAP REFERENCE : 106M/12
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7325		

----- Location Details -----

LOCATION : 35 KM NW FORT MACPHERSON	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : FORT MACPHERSON WINTER ICE ROAD	CENTRE EASTING(UTM) : 477500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7450000
OFFSET DISTANCE : 12874	CENTRE LATITUDE : 67.58333
ACCESS LENGTH : 12874	CENTRE LONGITUDE : 135.53333
SOURCE ACCESS : SEISMIC LINE WITH 20 % GRADE	OFFSET DIRECTION : L
	KILOMETRE-POST : 19.0

CONDITION : WINTER ICE ROAD ON SEISMIC LINE	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 31
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONNM; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-0.6-0.6	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE :		LANDFORM : ALLUVIAL
AREA DRAINAGE : WELL		TOPOGRAPHY :
VEGETATION : LOW SHRUBS AND BLACK SPRUCE TO 6 M		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SILT- little sand	OVERBURDEN THICKNESS : 0.3-0.3-0.3
GRANULAR THICKNESS : 0.6-1.1-1.5	OVERBURDEN TYPE : PEAT- some silt
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : PORCUPINE CARIBOU MIGRATION ROUTE; LOW QUALITY; POSSIBLE DAMAGE ENVIRONMENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # : 0		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 0	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO. : RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 152000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 152000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 : /152000/152000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-25	LOCAL NAMES : RAT RIVER VALLEY	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 553		NTS MAP REFERENCE : 106M/5
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7325		

----- Location Details -----

LOCATION : 40 KM NW FORT MACPHERSON	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : FORT MACPHERSON WINTER ICE ROAD	CENTRE EASTING(UTM) : 479500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7514000
OFFSET DISTANCE :	CENTRE LATITUDE : 67.73333
ACCESS LENGTH : 0	CENTRE LONGITUDE : 135.51667
SOURCE ACCESS : SHORT ACCESS FROM FT. MACPERSON ICE ROAD TO VALLEY	OFFSET DIRECTION :
	KILOMETRE-POST : 40.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 167
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-0.8-0.9	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : FLOOD PLAIN
AREA DRAINAGE :		TOPOGRAPHY : INACTIVE FLOOD PLAIN
VEGETATION : ASPEN & SPRUCE 12-18 M CANOPY DENS. 40-60%; LIGHT COVER BLACK SPRUCE & MOSS		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- some sand	OVERBURDEN THICKNESS : 0.3-0.3-0.3
GRANULAR THICKNESS : 0.6-0.8-0.9	OVERBURDEN TYPE : PEAT
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : RIVER SILTATION; RECREATIONAL AREA; DOMESTIC FISHERIES; PROPOSED RESERVE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt/GW/SM		D-50 : 020000-022500-025000
CLASSIFICATION # : 2		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 2	GRAVEL(%) : 74-75-76
SIEVE ANAL. # : 2	MOISTURE(%) : RESULTS : 1-2-2	SAND(%) : 21-22-23
PETROGR. NO. : RESULTS : 138		FINES(%) : 3-3-3
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 1900000	PROSPECTIVE VOLUME :
CLASS 2 : /1900000/1900000	PROVEN VOLUME :	TOTAL RECOVERABLE : 1900000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-Z5          LOCAL NAMES :RAT RIVER VALLEY          NEW SOURCE NUMBER      :
SOURCE NUMBER(S)  :554                  NTS MAP REFERENCE    :106M/11
STUDY ORDER       :                    MAP DIGITIZER NUMBER  :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE   : 1700000
SOURCE REFERENCE  :RKL73Z5

----- Location Details -----

LOCATION           :40 KM NW FORT MACPHERSON          CENTRE ZONE(UTM)       : 8
CORRIDOR NAME    :FORT MACPHERSON WINTER ICE ROAD    CENTRE EASTING(UTM)    :482000
CORRIDOR NUMBER  :                                CENTRE NORTHING(UTM)   :7514000
OFFSET DISTANCE  :                                CENTRE LATITUDE :67.75000
ACCESS LENGTH    : 0                            CENTRE LONGITUDE :135.46667
SOURCE ACCESS    :ADJACENT TO WINTER ROAD            OFFSET DIRECTION      :
KILOMETRE-POST   : 40.0

-----

CONDITION         :
LAND TENURE       :CROWN                      DIGITIZER NUMBER      :
STOCKPILE TYPE    :                                STATUS :UNDEVELOPED
PAST USE          :                                SITE PLAN SCALE :36000
STOCKPILE QUANTITY :                                AREA : 669
PERFORMANCE RATING :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
                                                -FOR PIPELINE : 0
                                                PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   : REPORTS                                           TEST HOLE DENSITY      :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 9          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :0.6-3.9-9.1 EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  : LANDFORM :ESKER; TERRACE; MORAIN
AREA DRAINAGE          :MODERATE          TOPOGRAPHY :FLAT TO ROLLING
VEGETATION             :DWARF UPLAND SHRUB ON PLAIN;BLACK SPRUCE, ASPEN & LARCH 6-12 M ON RIDGES
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL & sand          OVERBURDEN THICKNESS :0.2-0.6-2.1
GRANULAR THICKNESS     :0.6-3.9-9.1          OVERBURDEN TYPE      :PEAT & organic silt
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS  :PROPOSED ENVIRONMENTAL RESERVE; DISTANCE

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

----- Test Results -----

UNIFIED SOIL:CLASS    :Pt-OL/ML-SM/GW-GM
CLASSIFICATION #      : 2
PETRO NO.             : 1          MOISTURE(%):NUMBER : 2          D-50 :009500-016833-025000
SIEVE ANAL. #        : 3          MOISTURE(%):RESULTS :2-3-4      OVERSIZE(%) :
PETROGR. NO.:RESULTS :124          SAND(%) :23-42-55
OTHER TESTS           :          FINES(%) :6-7-10

----- Material Quantity -----

CLASS 1 :
CLASS 2 :/1900000/1900000          TOTAL VOLUME : 1900000          PROSPECTIVE VOLUME :
CLASS 3 :
CLASS 4 :
CLASS 5 :
PROVEN VOLUME :
PROBABLE VOLUME :
TOTAL RECOVERABLE : 1900000
ANNUAL RECOVERABLE : 0
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-Z5          LOCAL NAMES :VITTEKWA RIVER          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :555                NTS MAP REFERENCE :106M/3
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                    MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE :RKL7325

----- Location Details -----
LOCATION           :35 KM SW FORT MACPHERSON          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :DEMPSTER HIGHWAY                  CENTRE EASTING(UTM)  :494000
CORRIDOR NUMBER  :                                CENTRE NORTHING(UTM) :7449500
OFFSET DISTANCE  :10000                          CENTRE LATITUDE      :67.16667
ACCESS LENGTH    :25749                          CENTRE LONGITUDE     :135.20000
SOURCE ACCESS    :                                OFFSET DIRECTION     :L
                                                    KILOMETRE-POST      : 13.0

-----
CONDITION        :WINTER ICE ROAD;SCOW IN SUMMER    DIGITIZER NUMBER :
LAND TENURE      :CROWN                            STATUS :UNDEVELOPED
STOCKPILE TYPE   :                                SITE PLAN SCALE :36000
PAST USE         :                                AREA : 24
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                                -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA   :                                TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :0.6-0.9-1.2 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :                                SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :                                LANDFORM :INACTIVE FLOOD PLAIN
AREA DRAINAGE :MODERATE          TOPOGRAPHY :INACTIVE FLOOD PLAIN
VEGETATION :ASPEN AND WHITE SPRUCE;SOME AREAS SMALL BUSHES AND TUFTED GRASS
PERMAFROST FEATURES :

----- Source Stratigraphy -----
GRANULAR TYPE :GRAVEL- sand, some boulders          OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.6-0.9-1.2          OVERBURDEN TYPE :
DEVELOP. POTENTIAL :SUITABLE          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :RIVER SILTATION; REMOTE

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :/GW/
CLASSIFICATION # : 1
PETRO NO. : 1          MOISTURE(%):NUMBER : 1          D-50 :006000
SIEVE ANAL. # : 1          MOISTURE(%):RESULTS :2          OVERSIZE(%) :
PETROGR. NO.:RESULTS :238          SAND(%) :42
OTHER TESTS :          FINES(%) :3

----- Material Quantity -----
CLASS 1 :                                TOTAL VOLUME : 380000          PROSPECTIVE VOLUME :
CLASS 2 :/380000/380000          PROVEN VOLUME :                                TOTAL RECOVERABLE : 380000
CLASS 3 :                                PROBABLE VOLUME :                                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z6	LOCAL NAMES : NEVEJO LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 650		NTS MAP REFERENCE : 106M/8
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL73Z6		

----- Location Details -----

LOCATION : 44 KM E FORT MACPHERSON	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : DEMPSTER HIGHWAY	CENTRE EASTING(UTM) : 539500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7472000
OFFSET DISTANCE : 2414	CENTRE LATITUDE : 67.38333
ACCESS LENGTH : 2414	CENTRE LONGITUDE : 134.05000
SOURCE ACCESS : ALONG SEISMIC LINE THAT INTERSECTS HIGHWAY	OFFSET DIRECTION : L
	KILOMETRE-POST : 42.0

CONDITION : WINTER ICE ROAD OR CONSTRUCT PERMANENT	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 188
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING REPORTS	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 5	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 2.4-7.0-12.	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : OUTWASH PLAIN
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING
VEGETATION : BLACK & UPLAND SPRUCE 6-12 M, LOW ALDER, CANOPY DENSITY 20%		
PERMAFROST FEATURES : ICE LENSES		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL & sand	OVERBURDEN THICKNESS : 0.2-0.8-1.8
GRANULAR THICKNESS : 2.4-7.0-12.2	OVERBURDEN TYPE : PEAT- organic silt, roots
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : PEEL RIVER GAME RESERVE; IMPORTANT BEAVER; REQUIRES CONTROLLED DEVELOPMENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt-SM-SW/SW-GW/GW-SW	D-50 : 001300-002200-006000
CLASSIFICATION # : 34	OVERSIZE(%) :
PETRO NO. : 2	GRAVEL(%) : 19-36-60
SIEVE ANAL. # : 11	SAND(%) : 33-51-70
PETROGR. NO.:RESULTS : 191-214-237	FINES(%) : 5-13-40
OTHER TESTS : ORGAN_PLATE-05-RDG3&4; LOSS_OF_IGN-02-3.3	

----- Material Quantity -----

CLASS 1 : /1140000/1140000	TOTAL VOLUME : 1900000	PROSPECTIVE VOLUME :
CLASS 2 : /760000/760000	PROVEN VOLUME :	TOTAL RECOVERABLE : 1900000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-Z6          LOCAL NAMES :PEEL RIVER RESERVE      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :651A                NTS MAP REFERENCE :106M/8
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL73Z6

----- Location Details -----

LOCATION           :21 KM SW ARCTIC RED RIVER      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :DEMPSTER HIGHWAY              CENTRE EASTING(UTM)   :538000
CORRIDOR NUMBER  :                             CENTRE NORTHING(UTM)  :7468000
OFFSET DISTANCE  :9655                        CENTRE LATITUDE :67.36667
ACCESS LENGTH    : 9655                       CENTRE LONGITUDE :134.13333
SOURCE ACCESS    :ALONG SEISMIC LINE PAST SOURCE 650  OFFSET DIRECTION      :
KILOMETRE-POST   : 42.0

-----

CONDITION        :WINTER ICE ROAD              DIGITIZER NUMBER :
LAND TENURE       :CROWN                      STATUS :UNDEVELOPED
STOCKPILE TYPE    :                             SITE PLAN SCALE :36000
PAST USE          :                             AREA : 66
STOCKPILE QUANTITY :                             EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                             -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   : REPORTS                                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :0.8          EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.5-0.6          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :                      LANDFORM      :CONICAL HILL
AREA DRAINAGE          :WELL                 TOPOGRAPHY     :ROLLING
VEGETATION              :WHITE SPRUCE,PINE,WHITE BIRCH 6-12 M,CANOPY DEN. 50% LOWER SLOPE,20% UPPER
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :SILT- clay              OVERBURDEN THICKNESS :0.5
GRANULAR THICKNESS     :0.8                    OVERBURDEN TYPE      :PEAT
DEVELOP. POTENTIAL     :UNSUITABLE             UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS   :PEEL RIVER GAME RESERVE; DOMESTIC FISHERIES; HIGH SILT-CLAY & ICE CONTENTS

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

----- Test Results -----

UNIFIED SOIL:CLASS    :
CLASSIFICATION #      : 0
PETRO NO.             : 0
SIEVE ANAL. #        : 0
PETROGR. NO.:RESULTS  :
OTHER TESTS           :

MOISTURE(%):NUMBER : 0
MOISTURE(%):RESULTS :

D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 0
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 0
ANNUAL RECOVERABLE : 0
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z6          LOCAL NAMES :PEEL RIVER RESERVE      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :652                  NTS MAP REFERENCE :106M/8
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL73Z6              MAP DIGITIZER NUMBER :
                                           MAP LOC./PLAN SCALE  : 1700000

----- Location Details -----
LOCATION           :26 KM W ARCTIC RED RIVER      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :DEMPSTER HIGHWAY              CENTRE EASTING(UTM)   :533500
CORRIDOR NUMBER  :
CENTRE LATITUDE  :67.40000                      CENTRE NORTHING(UTM)  :7475000
OFFSET DISTANCE  :0                            OFFSET DIRECTION      :
ACCESS LENGTH    : 0                            KILOMETRE-POST        : 26.0
SOURCE ACCESS    :ADJACENT TO HIGHWAY

-----
CONDITION        :
LAND TENURE      :CROWN                        DIGITIZER NUMBER     :
STOCKPILE TYPE   :
STATUS           :DEVELOPED
PAST USE         :DEPT. PUBLIC WORKS BORROW     SITE PLAN SCALE      :36000
STOCKPILE QUANTITY :
AREA            : 84
PERFORMANCE RATING :UNKNOWN                    EXCAVATED VOLUME-FOR HIGHWAY : 0
                                           -FOR PIPELINE           : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA   :
TEST HOLE DENSITY    :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :0.6-1.9-4.3 EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS :
SITE DESCRIPTION DATE : / /
SLOPE                  :GRADUAL TO STEEP
LANDFORM               :KAME
AREA DRAINAGE          :WELL
TOPOGRAPHY             :ROLLING
VEGETATION             :BLACK SPRUCE TO 9 M CANOPY DENSITY 30%
PERMAFROST FEATURES    :THERMOKARST

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- gravel
OVERBURDEN THICKNESS   :
GRANULAR THICKNESS     :0.6-1.9-4.3
OVERBURDEN TYPE        :
DEVELOP. POTENTIAL     :POOR
UNDERBURDEN TYPE       :SILT
DEVELOP. CONSTRAINTS  :SHALLOW DEPTH MATERIAL; HIGH ICE & SILT CONTENT; PEEL RIVER GAME RESERVE

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :ML/GM-GW/GW
CLASSIFICATION #       : 4
PETRO NO.              : 2
MOISTURE(%):NUMBER    : 4
SIEVE ANAL. #         : 2
MOISTURE(%):RESULTS   :2-14-26
PETROGR. NO.:RESULTS  :168-207-246
OTHER TESTS           :
D-50                  :003000-007000-011000
OVERSIZE(%)          :
GRAVEL(%)            :49-57-65
SAND(%)              :29-33-37
FINES(%)             :6-9-12

----- Material Quantity -----
CLASS 1 :
TOTAL VOLUME : 152000
PROSPECTIVE VOLUME :
CLASS 2 :/152000/152000
PROVEN VOLUME :
TOTAL RECOVERABLE : 152000
CLASS 3 :
PROBABLE VOLUME :
ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER	:172RKL-Z6	LOCAL NAMES	:PEEL RIVER
SOURCE NUMBER(S)	:653	NEW SOURCE NUMBER	:
STUDY ORDER	:	NTS MAP REFERENCE	:106M/8
STUDY REFERENCE	:	MAP DIGITIZER NUMBER	:
SOURCE REFERENCE	:RKL73Z6	MAP LOC./PLAN SCALE	: 1700000
----- Location Details -----			
LOCATION	:27 KM W ARCTIC RED RIVER	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:DEMPSTER HIGHWAY	CENTRE EASTING(UTM)	:530500
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7475000
OFFSET DISTANCE	:0	CENTRE LATITUDE	:67.41667
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:134.35000
SOURCE ACCESS	:ADJACENT TO HIGHWAY	OFFSET DIRECTION	:
		KILOMETRE-POST	: 27.0

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:CROWN	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:36000
PAST USE	:	AREA	: 11
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL	:AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE	:1972
REPORTS	:		
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:
----- Subsurface Data -----			
BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 1
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:6.1
		EXPOSURES:NUMBER	: 0
		EXPOSURES:DEPTH	:
		DATA QUALITY	:
----- Source Description -----			
ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /
SLOPE	:GRADUAL	GENERIC ORIGIN	:GLACIOFLUVIAL
AREA DRAINAGE	:MODERATE	LANDFORM	:DISCONTINUOUS ESKER
VEGETATION	:BLACK SPRUCE TO 9 M CANOPY DENSITY < 20% IN TRANSITION TO SPHAGNUM BOG	TOPOGRAPHY	:ROLLING
PERMAFROST FEATURES	:		
----- Source Stratigraphy -----			
GRANULAR TYPE	:SAND- some gravel, trace silt	OVERBURDEN THICKNESS	:0.5
GRANULAR THICKNESS	:6.1	OVERBURDEN TYPE	:SILT- organic roots, peat
DEVELOP. POTENTIAL	:SUITABLE	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:PEEL RIVER GAME RESERVE; PERMAFROST		
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS	:Pt/SW/	D-50	:000570-001235-001900
CLASSIFICATION #	: 6	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:6-15-24
SIEVE ANAL. #	: 2	SAND(%)	:69-77-85
PETROGR. NO.:RESULTS	:	FINES(%)	:7-8-9
OTHER TESTS	:		
----- Material Quantity -----			
CLASS 1	:	TOTAL VOLUME	: 152000
CLASS 2	:/152000/152000	PROVEN VOLUME	:
CLASS 3	:	PROBABLE VOLUME	:
CLASS 4	:	PROSPECTIVE VOLUME	:
CLASS 5	:	TOTAL RECOVERABLE	: 152000
		ANNUAL RECOVERABLE	: 0

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:172RKL-26	LOCAL NAMES	:ANDERSON PLAIN	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:654			NTS MAP REFERENCE	:106M/9
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 1700000
SOURCE REFERENCE	:RKL7326				

----- Location Details -----

LOCATION	:26 KM NE ARCTIC RED RIVER	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME:	:DEMPSTER HIGHWAY	CENTRE EASTING(UTM)	:570500
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7493500
OFFSET DISTANCE	:6437;16093	CENTRE LATITUDE	:67.55000
ACCESS LENGTH	:22530	CENTRE LONGITUDE	:133.40000
SOURCE ACCESS	:ALONG SEISMIC LINES E & N	OFFSET DIRECTION	:L/R
		KILOMETRE-POST	: 4.8

CONDITION	:WINTER ICE ROAD	DIGITIZER NUMBER	:
LAND TENURE	:CROWN	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:36000
PAST USE	:	AREA	: 585
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE	:1972
GEOPHYSICAL DATA	:REPORTS	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 6	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:0.6-0.7-0.9	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:--0.9	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:GRADUAL			LANDFORM	:OUTWASH PLAIN;ESKER;
AREA DRAINAGE	:MODERATE			TOPOGRAPHY	:ROLLING
VEGETATION	:BLACK SPRUCE TO 12 M CANOPY DENSITY 40%;BLACK SPRUCE SPHAGNUM BOG				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	:GRAVEL- sand, some silt	OVERBURDEN THICKNESS	:0.3-0.6-0.9
GRANULAR THICKNESS	:0.6-0.7-0.9	OVERBURDEN TYPE	:PEAT & SILT
DEVELOP. POTENTIAL	:FAIR	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:FURTHER DELINEATION		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:Pt-OL-CL/GM-GW/SM	D-50	:001100-004400-009000
CLASSIFICATION #	: 3	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:36-51-68
SIEVE ANAL. #	: 3	SAND(%)	:26-39-61
PETROGR. NO.:RESULTS	:	FINES(%)	:6-18-25
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME	: 1520000	PROSPECTIVE VOLUME	:
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 1520000
CLASS 3 :/1520000/1520000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4 :				
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z6	LOCAL NAMES : ARCTIC RED AREA	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 655A		NTS MAP REFERENCE : 106N/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7326		

----- Location Details -----

LOCATION : 60 KM N ARCTIC RED RIVER	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : DEMPSTER HIGHWAY	CENTRE EASTING(UTM) : 564000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7540000
OFFSET DISTANCE : 1600	CENTRE LATITUDE : 67.98333
ACCESS LENGTH : 1600	CENTRE LONGITUDE : 133.46667
SOURCE ACCESS :	OFFSET DIRECTION : L
	KILOMETRE-POST : 60.0

----- Condition and Digitizer Information -----

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 21
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.2-5.0-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : ESKER RIDGE OR KAME
AREA DRAINAGE : MODERATE		TOPOGRAPHY : RIDGE
VEGETATION : POPLAR & WHITE SPRUCE TO 12 M CANOPY DENSITY 40%		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SILT- some sand	OVERBURDEN THICKNESS : 0.3-0.3-0.3
GRANULAR THICKNESS : 1.2-5.0-9.1	OVERBURDEN TYPE : PEAT- trace silt
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : WITHIN MACKENZIE REINDEER GRAZING RESERVE; HIGH SILT & ICE CONTENT	

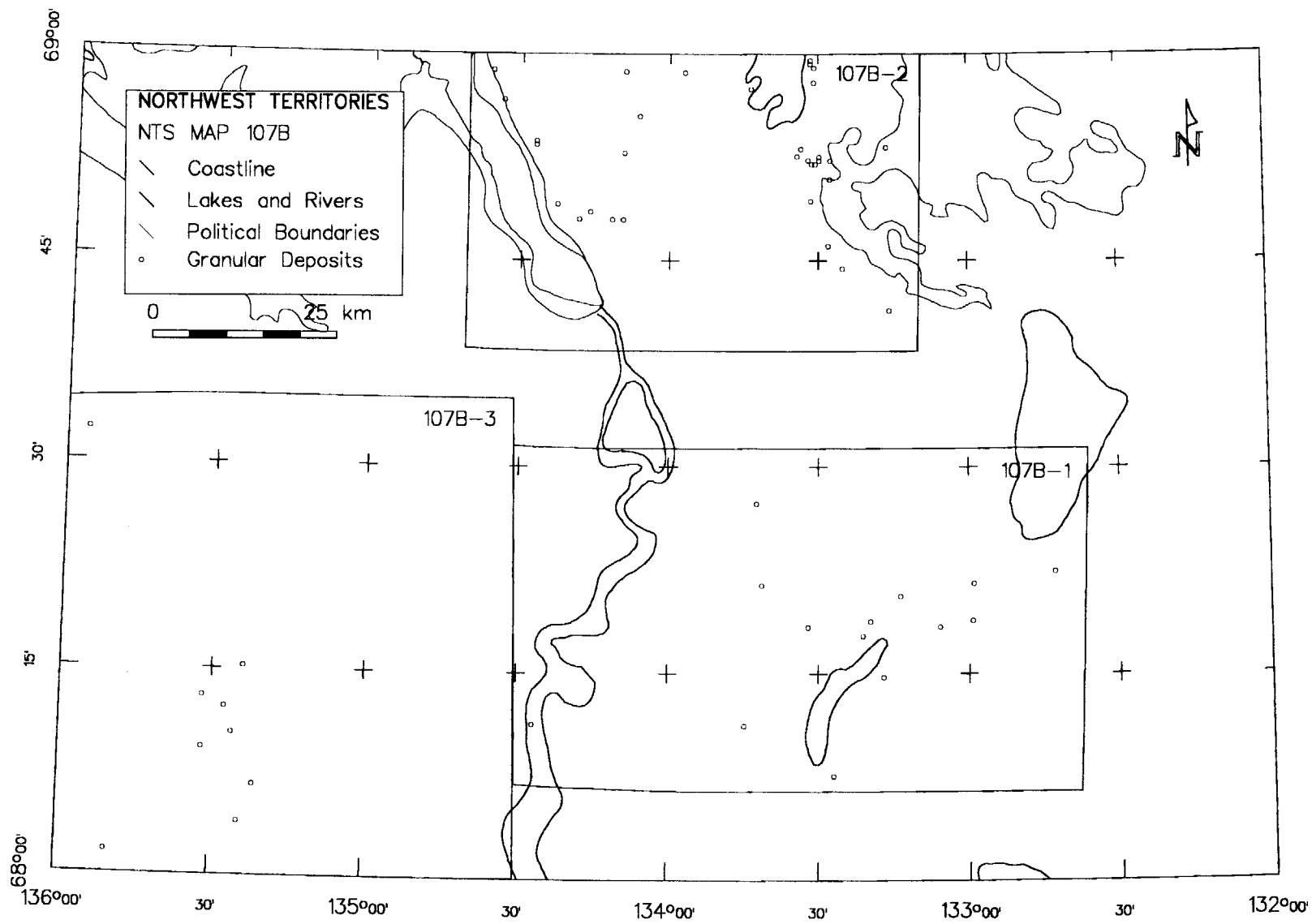
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

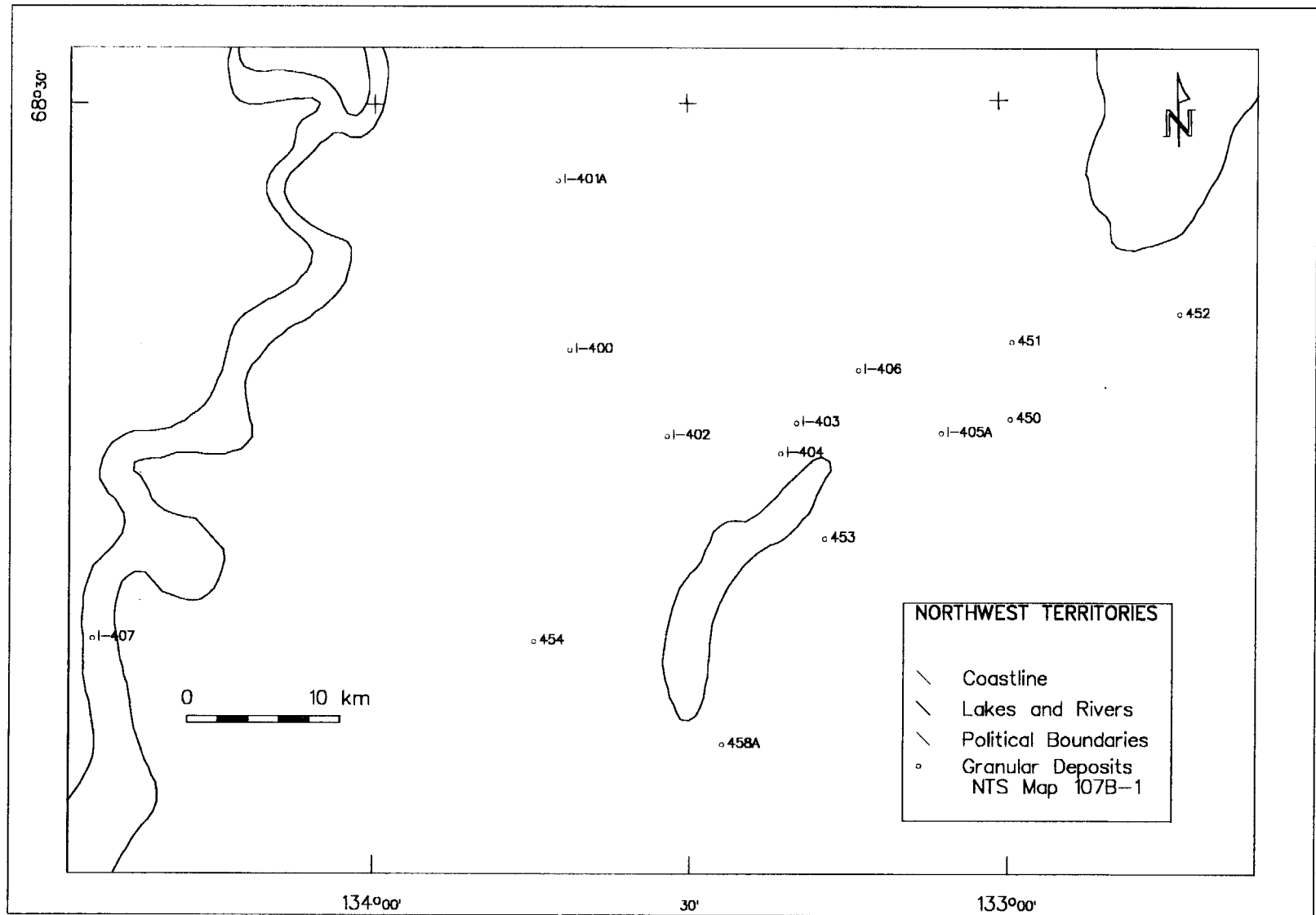
----- Test Results -----

UNIFIED SOIL:CLASS : Pt-OL/ML/SW		D-50 : 001900
CLASSIFICATION # : 8		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 8	GRAVEL(%) : 26
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 5-20-25	SAND(%) : 68
PETROGR. NO.:RESULTS :		FINES(%) : 6
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		





DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
315	/ /	107B/15	544000	7445000	SAND & GRAVEL- trace silt	GLACIOFLUVIAL
450	/ /	107B/1	583000	7579000	SAND-little gravel,little silt	GLACIOFLUVIAL
451	/ /	107B/8	583000	7584000	SAND- little silt	GLACIOFLUVIAL
452	/ /	107B/8	594000	7586000	SAND- gravel, GRAVEL-some sand	GLACIOFLUVIAL
453	/ /	107B/7	571000	7571000	SAND- some gravel	GLACIOFLUVIAL
454	/ /	107B/2	552000	7564000	SANDSTONE- coarse	BEDROCK
458A	/ /	107B/2	564500	7557500	SILT & sand	GLACIOFLUVIAL
I-400	/ /	107B/7	554000	7583000	SAND- some gravel, some silt	GLACIOFLUVIAL
I-401A	/ /	107B/7	553000	7594000	SILT- some gravel, some sand	GLACIOFLUVIAL
I-402	/ /	107B/7	560500	7577500	SHALE- bands of limestone	BEDROCK
I-403	/ /	107B/7	569000	7578500	LIMESTONE	BEDROCK
I-404	/ /	107B/7	568000	7576500	SANDSTONE- some shale	BEDROCK
I-405A	/ /	107B/7	578500	7578000	SAND- and silt	GLACIOFLUVIAL
I-406	/ /	107B/7	573000	7582000	SAND- little gravel	GLACIOFLUVIAL
I-407	/ /	107B/14	523000	7563700	GRAVEL-sand, SAND- some gravel	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER : I72RKL-Z4	LOCAL NAMES : CAMPBELL LAKE	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) : 450		NTS MAP REFERENCE : 107B/1	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	1700000
SOURCE REFERENCE : RKL7324			
----- Location Details -----			
LOCATION : 32 KM E INUVIK		CENTRE ZONE(UTM) :	8
CORRIDOR NAME : DEMPSTER HIGHWAY		CENTRE EASTING(UTM) :	583000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) :	7579000
OFFSET DISTANCE : 17702	CENTRE LATITUDE : 68.00000	OFFSET DIRECTION :	L
ACCESS LENGTH : 17702	CENTRE LONGITUDE : 133.03333	KILOMETRE-POST :	39.0
SOURCE ACCESS : FROM CAMPBELL L. TURNOFF, ACROSS CHAIN OF LAKES & OVERLAND			

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE : CROWN	STATUS : UNDEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE : 36000		
PAST USE :	AREA : 31		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING :	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING REPORTS	LAST INVESTIGATION DATE : 1972		
GEOPHYSICAL DATA :	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-0.7-0.8	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS : 0.8-0.9-0.9	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL	
SLOPE : GRADUAL TO STEEP		LANDFORM : DISCONTINUOUS ESKER	
AREA DRAINAGE : WELL		TOPOGRAPHY : RIDGES	
VEGETATION : WHITE SPRUCE TO 7 M AND FEATHER MOSS			
PERMAFROST FEATURES : ICE LENSES			
----- Source Stratigraphy -----			
GRANULAR TYPE : SAND-little gravel, little silt	OVERBURDEN THICKNESS : 0.2-0.2-0.2		
GRANULAR THICKNESS : 0.6-0.7-0.8	OVERBURDEN TYPE : PEAT- moss, trace silt		
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS : CRITICAL WILDLIFE AREA; RECREATION AREA; MARGINAL QUALITY; PERMAFROST LAYER			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS : Pt/SM/SW-SM		D-50 : 000880	
CLASSIFICATION # : 1		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) : NUMBER : 1	GRAVEL(%) : 25	
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 8.7	SAND(%) : 65	
PETROGR. NO.:RESULTS :		FINES(%) : 10	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 304000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 304000	
CLASS 3 : /304000/304000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z4          LOCAL NAMES :CAMPBELL LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :451                  NTS MAP REFERENCE :107B/8
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL73Z4             MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 1700000

----- Location Details -----
LOCATION           :38 KM E INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :DEMPSTER HIGHWAY        CENTRE EASTING(UTM)  :583000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM):7584000
OFFSET DISTANCE  :20920                   CENTRE LATITUDE :68.38333
ACCESS LENGTH    :20920                   CENTRE LONGITUDE :132.88333
SOURCE ACCESS     :FROM CAMPBELL L. TURNOFF, ACROSS CHAIN OF LAKES & OVERLAND
OFFSET DIRECTION :L
KILOMETRE-POST   : 42.0

-----
CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE       :CROWN                   STATUS :UNDEVELOPED
STOCKPILE TYPE    :                        SITE PLAN SCALE :36000
PAST USE          :                        AREA : 10
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                        -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :REPORTS                TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.9          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.8-0.9-0.9        SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE              LANDFORM :ESKER
AREA DRAINAGE          :MODERATELY WELL     TOPOGRAPHY :GENTLY RISING
VEGETATION             :WHITE SPRUCE TO 9M,FEATHER MOSS ON ESKE;BLACK SPRUCE,SPHAGNUM MOSS LOWLAND
PERMAFROST FEATURES    :ICE LENSES

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- little silt    OVERBURDEN THICKNESS :0.2-0.2-0.2
GRANULAR THICKNESS     :0.9                 OVERBURDEN TYPE :PEAT- moss, trace silt
DEVELOP. POTENTIAL     :POOR                UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :MARGINAL QUALITY; ENVIRONMENTAL STUDY REQUIRED

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :Pt/SM/
CLASSIFICATION #       : 1
PETRO NO.              : 0
SIEVE ANAL. #         : 1
PETROGR. NO.:RESULTS  :
OTHER TESTS            :
MOISTURE(%):NUMBER : 1
MOISTURE(%):RESULTS :9.9
D-50                  :000580
OVERSIZE(%)           :
GRAVEL(%)              :6
SAND(%)                :67
FINES(%)               :17

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :/38000/38000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 38000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 38000
ANNUAL RECOVERABLE : 0

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-Z4          LOCAL NAMES :SITIDGI LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :452                  NTS MAP REFERENCE :107B/8
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL73Z4

----- Location Details -----

LOCATION           :42 KM E INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :DEMPSTER HIGHWAY        CENTRE EASTING(UTM)   :594000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM)  :7586000
OFFSET DISTANCE  :27000                   CENTRE LATITUDE :68.38833
ACCESS LENGTH    :27000                   CENTRE LONGITUDE :132.72167
SOURCE ACCESS    :FROM CAMPBELL L., ACROSS CHAIN OF LAKES & OVERLAND
                                           OFFSET DIRECTION    :L
                                           KILOMETRE-POST      : 21.0

-----

CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE      :CROWN                    STATUS :UNDEVELOPED
STOCKPILE TYPE   :                        SITE PLAN SCALE :36000
PAST USE         :                        AREA : 84
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :REPORTS                TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 4          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :             TESTPITS:DEPTH :0.6-1.0-1.2 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :1.2          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE, GRADUAL LANDFORM :ESKER REMNANTS
AREA DRAINAGE          :MODERATE      TOPOGRAPHY :ROLLING
VEGETATION             :UPLAND DWARF SHRUBS WITH SOME WHITE SPRUCE & ASPEN 6-9 M
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel, GRAVEL-some sand          OVERBURDEN THICKNESS :0.2-0.2-0.2
GRANULAR THICKNESS     :0.6-1.0-1.2          OVERBURDEN TYPE :SILT- organic moss, roots
DEVELOP. POTENTIAL     :SUITABLE            UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS   :CRITICAL WILDLIFE AREA; VARIABLE; PERMAFROST; FURTHER EXPLORATN & DELINEATN

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML/SM-GM/SW-SM          D-50 :003000-006500-010000
CLASSIFICATION #       : 3          OVERSIZE(%) :
PETRO NO.              : 0          MOISTURE(%) :NUMBER : 3          GRAVEL(%) :35-41-47
SIEVE ANAL. #          : 2          MOISTURE(%) :RESULTS :5-8-24          SAND(%) :28-44-59
PETROGR. NO.:RESULTS   :          FINES(%) :6-16-22
OTHER TESTS            :

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 1140000          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                      TOTAL RECOVERABLE : 1140000
CLASS 3 :/1140000/1140000          PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      : I72RKL-Z4          LOCAL NAMES : CAMPBELL LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  : 453                  NTS MAP REFERENCE : 107B/7
STUDY ORDER      :                      MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                      MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE : RKL73Z4

----- Location Details -----
LOCATION           : 22.5 KM SE INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    : DEMPSTER HIGHWAY          CENTRE EASTING(UTM)   : 571000
CORRIDOR NUMBER  :                          CENTRE NORTHING(UTM)  : 7571000
OFFSET DISTANCE  : 0                        CENTRE LATITUDE       : 68.25000
ACCESS LENGTH    : 0                        CENTRE LONGITUDE      : 133.30000
SOURCE ACCESS    : ADJACENT TO DEMPSTER HIGHWAY  OFFSET DIRECTION      :
KILOMETRE-POST   : 29.0

-----
CONDITION        :                      DIGITIZER NUMBER :
LAND TENURE      : CROWN                  STATUS           : DEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE  : 36000
PAST USE         : CONSTRUCTION OF DEMPSTER HIGHW  AREA            : 16
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : GOOD                  -FOR PIPELINE    : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA   : REPORTS                                     TEST HOLE DENSITY      :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :           EXPOSURES:DEPTH  : 1.2

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE                  : GRADUAL          LANDFORM        : KAME
AREA DRAINAGE          : WELL             TOPOGRAPHY      : ROLLING, HUMMOCKY
VEGETATION             : TRANSITIONAL ZONE BETWEEN BLACK SPRUCE AND SPHAGNUM BOGS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          : SAND- some gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     : 1.2                      OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     : POOR                     UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS  : LITTLE MATERIAL LEFT; WILDLIFE HABITAT; ECOLOGICALLY IMPORTANT

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     : SW
CLASSIFICATION #       : 2
PETRO NO.              : 0
SIEVE ANAL. #         : 2
PETROGR. NO.:RESULTS  :
OTHER TESTS            :

MOISTURE(%):NUMBER    : 2
MOISTURE(%):RESULTS   : 3-5-6

D-50                   : 000490-001145-001800
OVERSIZE(%)           :
GRAVEL(%)              : 3-15-27
SAND(%)                : 61-78-94
FINES(%)               : 2-3-3

----- Material Quantity -----
CLASS 1 :                      TOTAL VOLUME   : 7600          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME  :                      TOTAL RECOVERABLE  : 7600
CLASS 3 : /7600/7600          PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :172RKL-Z4          LOCAL NAMES :ROCKY HILL          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :454                NTS MAP REFERENCE :107B/2
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7324

----- Location Details -----

LOCATION           :19.3 KM S INUVIK    CENTRE ZONE(UTM)   : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD  CENTRE EASTING(UTM):552000
CORRIDOR NUMBER  :                    CENTRE NORTHING(UTM):7564000
OFFSET DISTANCE  :0                   CENTRE LATITUDE   :68.18333
ACCESS LENGTH    : 0                   CENTRE LONGITUDE  :133.66667
SOURCE ACCESS    :                    OFFSET DIRECTION  :
                                           KILOMETRE-POST   : 40.0

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :CROWN                      STATUS :UNDEVELOPED
STOCKPILE TYPE   :                    SITE PLAN SCALE :36000
PAST USE         :                    AREA : 25
STOCKPILE QUANTITY :                    EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                    -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :REPORTS                TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :           EXPOSURES:DEPTH  :30.5

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :BEDROCK
SLOPE                  :STEEP                      LANDFORM       :OUTCROP
AREA DRAINAGE          :WELL                      TOPOGRAPHY     :BEDROCK KNOLL
VEGETATION             :SCATTERED SPRUCE OR POPLAR, SOME DWARF SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :SANDSTONE- coarse          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :30.5                      OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :SUITABLE                  UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS  :IMPORTANT PLANT & ANIMAL HABITAT; IMPACT OF QUARRYING; ENVIRONMENTAL STUDY

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

----- Test Results -----

UNIFIED SOIL:CLASS    :
CLASSIFICATION #      : 0
PETRO NO.             : 0
SIEVE ANAL. #         : 0
PETROGR. NO.:RESULTS  :
OTHER TESTS           :

MOISTURE(%):NUMBER    : 0
MOISTURE(%):RESULTS   :

D-50                  :
OVERSIZE(%)           :
GRAVEL(%)              :
SAND(%)                :
FINES(%)               :

----- Material Quantity -----

CLASS 1 :
CLASS 2 :/7600000/7600000
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 7600000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 7600000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z4	LOCAL NAMES :CAMPBELL LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :458A		NTS MAP REFERENCE :107B/2
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE :RKL7324		

----- Location Details -----

LOCATION :29 KM S INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :DEMPSTER HIGHWAY	CENTRE EASTING(UTM) :564500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7557500
OFFSET DISTANCE :0	CENTRE LATITUDE :68.13333
ACCESS LENGTH : 0	CENTRE LONGITUDE :133.45000
SOURCE ACCESS :ADJACENT TO DEMPSTER HIGHWAY	OFFSET DIRECTION :
	KILOMETRE-POST : 107B/2

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 84
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE :1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :1.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :1.1	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :ESKER
AREA DRAINAGE :WELL		TOPOGRAPHY :RIDGE ON A PLAIN
VEGETATION :WHITE SPRUCE WITH SOME ASPEN TO 6 M		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SILT & sand	OVERBURDEN THICKNESS :0.3
GRANULAR THICKNESS :1.1-1.3-1.5	OVERBURDEN TYPE :ORGANIC SILT- fine sand
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :MACKENZIE REINDEER BREEDING & CALVING; POOR QUALITY; HIGH ICE CONTENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL/ML/		D-50 :
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 1	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :19	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 456000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 456000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :/456000/456000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-IN          LOCAL NAMES :BOOT CREEK          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :I-400              NTS MAP REFERENCE :107B/7
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 125000
SOURCE REFERENCE  :RKL731

----- Location Details -----
LOCATION           :1.6 KM S INUVIK      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :INUUVIK HIGHWAY      CENTRE EASTING(UTM)  :554000
CORRIDOR NUMBER  :                    CENTRE NORTHING(UTM) :7583000
OFFSET DISTANCE  :0                   CENTRE LATITUDE :68.26667
ACCESS LENGTH    : 0                  CENTRE LONGITUDE :133.65000
SOURCE ACCESS    :                    OFFSET DIRECTION  :
                                           KILOMETRE-POST    : 1.6

-----
CONDITION        :YEAR ROUND ALL WEATHER ROAD      DIGITIZER NUMBER :
LAND TENURE      :CROWN                          STATUS :DEVELOPED
STOCKPILE TYPE   :                               SITE PLAN SCALE :36000
PAST USE         :GRANULAR MATERIAL FOR COMMUNIT   AREA : 31
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA  :                               TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER :10          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.9-5.7-9.1 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM :OUTWASH
AREA DRAINAGE          :MODERATE        TOPOGRAPHY :HUMMOCKY, LOTS OF PO
VEGETATION             :SPHAGUM MOSS WITH SCATTERED BLACK SPRUCE TO 6 M
PERMAFROST FEATURES   :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- some gravel, some silt          OVERBURDEN THICKNESS :0.3-0.4-0.9
GRANULAR THICKNESS     :0.9-4.2-9.1          OVERBURDEN TYPE :SILT- organic, roots
DEVELOP. POTENTIAL     :FAIR              UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS  :WILDLIFE RESERVES;RECREATIONAL AREA;MANAGEMENT- MINIMIZE WASTEAGE, RESTORE

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL-ML/Sm/GM-GW          D-50 :000072-002434-008200
CLASSIFICATION #       : 48                    OVERSIZE(%) :
PETRO NO.              : 2                    MOISTURE(%) :NUMBER : 48          GRAVEL(%) :16-34-61
SIEVE ANAL. #          : 17                  MOISTURE(%) :RESULTS :5-20-55 SAND(%) :23-40-72
PETROGR. NO.:RESULTS  :227-242-257          FINES(%) :6-26-58
OTHER TESTS            :

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME : 190000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :                TOTAL RECOVERABLE : 190000
CLASS 3 :/190000/190000          PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :172RKL-IN          LOCAL NAMES :S END CARIBOU HILLS      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :1-401A              NTS MAP REFERENCE :107B/7
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE  :RKL731

----- Location Details -----

LOCATION           :9.7 KM N OF INUVIK      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)  :553000
CORRIDOR NUMBER  :                       CENTRE NORTHING(UTM) :7594000
OFFSET DISTANCE  :3219                   CENTRE LATITUDE      :68.36667
ACCESS LENGTH    :3219                   CENTRE LONGITUDE     :133.70000
SOURCE ACCESS    :                       KILOMETRE-POST      : 9.7

-----

CONDITION        :WINTER ICE ROAD;POSSIBLE ACCESS CONSTRCT  DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- INUVIK                STATUS :UNDEVELOPED
STOCKPILE TYPE   :                                           SITE PLAN SCALE :36000
PAST USE         :                                           AREA :125
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : -FOR PIPELINE : 0
                   PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA   : TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER :12          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH :0.8-3.0-9.1 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP                    LANDFORM       :KAMES
AREA DRAINAGE          :WELL                                TOPOGRAPHY     :ROLLING, HILLOCKS
VEGETATION             :MOSS AND DWARF SHRUBS;STUMPS FROM PAST FIRE
PERMAFROST FEATURES    :LENSING;MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SILT- some gravel, some sand          OVERBURDEN THICKNESS :0.2-0.4-0.8
GRANULAR THICKNESS     :0.8-2.3-4.6                          OVERBURDEN TYPE      :SILT- organic and peat
DEVELOP. POTENTIAL     :UNSUITABLE                          UNDERBURDEN TYPE     :MASSIVE ICE
DEVELOP. CONSTRAINTS   :WILDLIFE RESERVES; POOR QUALITY; RESTORATION PROBLEMS DUE TO SLOPING& ICE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML-GM/SM/SW-SM
CLASSIFICATION #       : 33
PETRO NO.              : 0          MOISTURE(%):NUMBER : 33          D-50           :000200-001094-003000
SIEVE ANAL. #         : 13          MOISTURE(%):RESULTS :5-18-131    OVERSIZE(%)    :
PETROGR. NO.:RESULTS  :                                           GRAVEL(%)      :7-27-41
OTHER TESTS           :                                           SAND(%)        :38-57-68
                                           FINES(%)       :6-20-55

----- Material Quantity -----

CLASS 1 : TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 : PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 : PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-IN	LOCAL NAMES : INUVIK AIRPORT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : I-402		NTS MAP REFERENCE : 107B/7
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : RKL731		

----- Location Details -----

LOCATION : 1 KM W INUVIK AIRPORT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : INUVIK AIRPORT ROAD	CENTRE EASTING(UTM) : 560500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7577500
OFFSET DISTANCE :	CENTRE LATITUDE : 68.30000
ACCESS LENGTH : 0	CENTRE LONGITUDE : 133.55000
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST : 12.9

CONDITION : YEAR ROUND ROAD ACCESS	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE : QUARRY FOR INUVIK AIRSTRIP BY	AREA : 31
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 4.0-4.3-4.6	EXPOSURES:DEPTH : 12.2	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : BEDROCK
SLOPE :		LANDFORM : EXPOSURE
AREA DRAINAGE : MODERATE		TOPOGRAPHY : BEDROCK EXPOSURE
VEGETATION : DISCONTINUOUS COVER OF WHITE BIRCH, SPRUCE, SHRUBS AND MOSS		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SHALE- bands of limestone	OVERBURDEN THICKNESS : 0.3
GRANULAR THICKNESS : 4.0-6.9-12.2	OVERBURDEN TYPE : SILT- and organics, roots
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : WILDLIFE RESERVES; ECOLOGICALLY IMPORTANT RECREATION AREA; RESTORATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL/SHALE/SHALE	D-50 : 012000
CLASSIFICATION # : 4	OVERSIZE(%) :
PETRO NO. : 0	GRAVEL(%) : 62
SIEVE ANAL. # : 1	SAND(%) : 29
PETROGR. NO.:RESULTS :	FINES(%) : 09
OTHER TESTS :	
	MOISTURE(%) : NUMBER : 4
	MOISTURE(%) : RESULTS : 3-10-17

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 4560000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 4560000
CLASS 3 : /4560000/4560000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-IN
SOURCE NUMBER(S) : I-403
STUDY ORDER :
STUDY REFERENCE :
SOURCE REFERENCE : RKL731

LOCAL NAMES : INUVIK AIRPORT
CAMPBELL LAKE PIT

NEW SOURCE NUMBER :
NTS MAP REFERENCE : 107B/7
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 125000

----- Location Details -----

LOCATION : 6.4 KM E INUVIK AIRPORT
CORRIDOR NAME : INUVIK HIGHWAY
CORRIDOR NUMBER :
OFFSET DISTANCE : 0
ACCESS LENGTH : 0
SOURCE ACCESS :

CENTRE LATITUDE : 68.31667
CENTRE LONGITUDE : 133.33333

CENTRE ZONE(UTM) : 8
CENTRE EASTING(UTM) : 569000
CENTRE NORTHING(UTM) : 7578500
OFFSET DIRECTION :
KILOMETRE-POST : 21.0

CONDITION : ALL WEATHER ROAD
LAND TENURE : CROWN
STOCKPILE TYPE :
PAST USE : MATERIAL FOR DEMPSTER HIGHWAY
STOCKPILE QUANTITY :
PERFORMANCE RATING : GOOD

DIGITIZER NUMBER :
STATUS : DEVELOPED
SITE PLAN SCALE : 36000
AREA : 21
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING REPORTS
GEOPHYSICAL DATA :
TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0
BOREHOLES:DEPTH :
TESTPITS:NUMBER : 0
TESTPITS:DEPTH :
EXPOSURES:NUMBER : 1
EXPOSURES:DEPTH : 12
DATA QUALITY :

----- Source Description -----

ACTIVE LAYER THICKNESS :
SLOPE : GRADUAL TO STEEP
AREA DRAINAGE : WELL
VEGETATION : SCATTERED ASPEN AND WHITE SPRUCE TO 6 M WITH MOSS AND DWARF SHRUBS
PERMAFROST FEATURES :
SITE DESCRIPTION DATE : / /
GENERIC ORIGIN : BEDROCK
LANDFORM : EXPOSURE
TOPOGRAPHY : IRREGULAR, SLOPING B

----- Source Stratigraphy -----

GRANULAR TYPE : LIMESTONE
GRANULAR THICKNESS : 12.2
DEVELOP. POTENTIAL : SUITABLE
DEVELOP. CONSTRAINTS : WILDLIFE RESERVES; BLASTING REQUIRED; DISTANCE
OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

----- Test Results -----

UNIFIED SOIL:CLASS :
CLASSIFICATION # : 0
PETRO NO. : 0
SIEVE ANAL. # : 0
PETROGR. NO.:RESULTS :
OTHER TESTS :
MOISTURE(%):NUMBER : 0
MOISTURE(%):RESULTS :
D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----

CLASS 1 :
CLASS 2 : /1900000/1900000
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 1900000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 1900000
ANNUAL RECOVERABLE : 0

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-IN          LOCAL NAMES :INUVIK AIRPORT          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :1-404              MAP DIGITIZER NUMBER :107B/7
STUDY ORDER      :                    MAP LOC./PLAN SCALE :125000
STUDY REFERENCE  :
SOURCE REFERENCE  :RKL731

----- Location Details -----
LOCATION           :6.4 KM E INUVIK AIRPORT          CENTRE ZONE(UTM) :8
CORRIDOR NAME    :INUVIK AIRPORT ROAD              CENTRE EASTING(UTM) :568000
CORRIDOR NUMBER  :                                CENTRE NORTHING(UTM) :7576500
OFFSET DISTANCE  :1600                            CENTRE LATITUDE :68.28833
ACCESS LENGTH    :1600                            CENTRE LONGITUDE :133.35000
SOURCE ACCESS    :                                OFFSET DIRECTION :?
                                                    KILOMETRE-POST :21.0

-----
CONDITION        :ALL WEATHER ROAD                DIGITIZER NUMBER :
LAND TENURE      :CROWN                          STATUS :DEVELOPED
STOCKPILE TYPE   :                                SITE PLAN SCALE :36000
PAST USE         :CONSTRUCTION OF DEMPSTER HIGHW   AREA :11
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY :0
PERFORMANCE RATING :POOR                          -FOR PIPELINE :0
                                                    PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :REPORTS                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER :0          TESTPITS:NUMBER :0          EXPOSURES:NUMBER :1          DATA QUALITY :
BOREHOLES:DEPTH :           TESTPITS:DEPTH :           EXPOSURES:DEPTH :7.6

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :BEDROCK
SLOPE                  :GRADUAL TO STEEP                LANDFORM :EXPOSURE
AREA DRAINAGE          :WELL                            TOPOGRAPHY :BEDROCK EXPOSURE IN
VEGETATION             :SCATTERED WHITE SPRUCE & ASPEN TO 6 M;HEAVY GROWTH MOSS & SHRUBS
PERMAFROST FEATURES   :

----- Source Stratigraphy -----
GRANULAR TYPE          :SANDSTONE- some shale          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :7.6                            OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :POOR                            UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :WILDLIFE RESERVES; LOW QUALITY; REQUIRES RESTORATION & PIT MANAGEMENT

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :
CLASSIFICATION #    :0
PETRO NO.          :0
SIEVE ANAL. #      :0
PETROGR. NO.:RESULTS :
OTHER TESTS        :
MOISTURE(%):NUMBER :0
MOISTURE(%):RESULTS :
D-50              :
OVERSIZE(%)       :
GRAVEL(%)         :
SAND(%)           :
FINES(%)          :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :/76000/76000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME :76000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :76000
ANNUAL RECOVERABLE :0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-IN          LOCAL NAMES :CAMPBELL & SITIDGI LAKES  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :I-405A              MAP REFERENCE :107B/7
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 125000
SOURCE REFERENCE  :RKL731

----- Location Details -----

LOCATION           :27 KM ESE INUVIK      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :INUUVIK HIGHWAY       CENTRE EASTING(UTM)  :578500
CORRIDOR NUMBER  :                     CENTRE NORTHING(UTM) :7578000
OFFSET DISTANCE  :4800;4800            CENTRE LATITUDE      :68.30500
ACCESS LENGTH    :9600                  CENTRE LONGITUDE     :133.11667
SOURCE ACCESS    :NE ALONG CHAIN OF LAKES 4.8 KM & THEN E OVERLAND 4.8
                                           KILOMETRE-POST      : 22.5

-----

CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :CROWN                 STATUS           :UNDEVELOPED
STOCKPILE TYPE   :                     SITE PLAN SCALE :36000
PAST USE         :                     AREA             :167
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE   : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA   :                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :4.3-5.9-9.1 EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP          LANDFORM        :KAME; TERRACE;ESKER
AREA DRAINAGE          :MODERATE                  TOPOGRAPHY      :ROLLING, HUMMOCKY
VEGETATION             :HEAVY MOSS & DWARF SHRUB;SCATTERED WHITE SPRUCE & ASPEN TO 6 M
PERMAFROST FEATURES   :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- and silt          OVERBURDEN THICKNESS :0.2-0.2-0.3
GRANULAR THICKNESS     :4.3-5.9-9.1            OVERBURDEN TYPE      :SILT- organics, roots, peat
DEVELOP. POTENTIAL     :UNSUITABLE             UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS  :WILDLIFE RESERVES; POOR QUALITY; MEDIUM-HIGH ICE CONTENT; DIFFICULT RESTORE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML/SM/SM
CLASSIFICATION #       :12
PETRO NO.              :0
SIEVE ANAL. #         :5
PETROGR. NO.:RESULTS  :
OTHER TESTS            :

MOISTURE(%):NUMBER    :12
MOISTURE(%):RESULTS   :22-30-43

D-50                   :000090-000170-000350
OVERSIZE(%)           :
GRAVEL(%)              :0-1-1
SAND(%)                :50-60-69
FINES(%)               :30-39-50

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-IN	LOCAL NAMES : CAMPBELL LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : I-406		NTS MAP REFERENCE : 107B/7
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : RKL73I		

----- Location Details -----

LOCATION : 21 KM E INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : INUVIK HIGHWAY	CENTRE EASTING(UTM) : 573000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7582000
OFFSET DISTANCE : 11265	CENTRE LATITUDE : 68.35500
ACCESS LENGTH : 11265	CENTRE LONGITUDE : 133.23333
SOURCE ACCESS : NE ALONG CHAIN OF LAKES 4.8 KM THEN N & W OVERLAND 5-6 KM	OFFSET DIRECTION : L
	KILOMETRE-POST : 21.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 11
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL TO STEEP		LANDFORM : ESKER RIDGE
AREA DRAINAGE : MODERATELY WELL		TOPOGRAPHY : ROLLING, HUMMOCKY
VEGETATION : DWARF SPRUCE, ASPEN, WHITE SPRUCE & WHITE BIRCH TO 9 M; MOSS, PEAT & SHRUB		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- little gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.1	OVERBURDEN TYPE : PEAT- and silt
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : DIFFICULT ACCESS; IMPORTANT WILDLIFE AREA; STREAM SILTATION; PERMAFROST	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt/SW-SM/GW-GM		D-50 : 000650
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 10
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS :	SAND(%) : 84
PETROGR. NO.:RESULTS : 529		FINES(%) : 6
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 30400	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 30400
CLASS 3 : /30400/30400	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-IN	LOCAL NAMES : N END CARIBOU HILLS	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : I-407		NTS MAP REFERENCE : 107B/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : RKL731		

----- Location Details -----

LOCATION : 61 KM NW INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 523000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7563700
OFFSET DISTANCE : 0	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 64.0
SOURCE ACCESS :	
CENTRE LATITUDE : 68.85000	
CENTRE LONGITUDE : 134.36667	

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE : OIL EXPLORATION CREWS	AREA : 167
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 4.3-4.3-4.3	EXPOSURES:DEPTH : 12.2	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : COMPLEX; GRADUAL TO STEEP		LANDFORM : TERRACE REMNANTS
AREA DRAINAGE : GOOD		TOPOGRAPHY : RIDGED & DISSECTED
VEGETATION : WHITE & BLACK SPRUCE IN GULLIES; SLOPES BARE WITH PATCHES MOSS & SHRUBS		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL-sand, SAND- some gravel	OVERBURDEN THICKNESS : 0.2-0.3-0.3
GRANULAR THICKNESS : 4.3-6.4-12.2	OVERBURDEN TYPE : SILT- organics, roots
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : WILDLIFE RESERVES; SILTATION; PERMAFROST DISTURBANCE; PIT MNGMT & RESTORE	

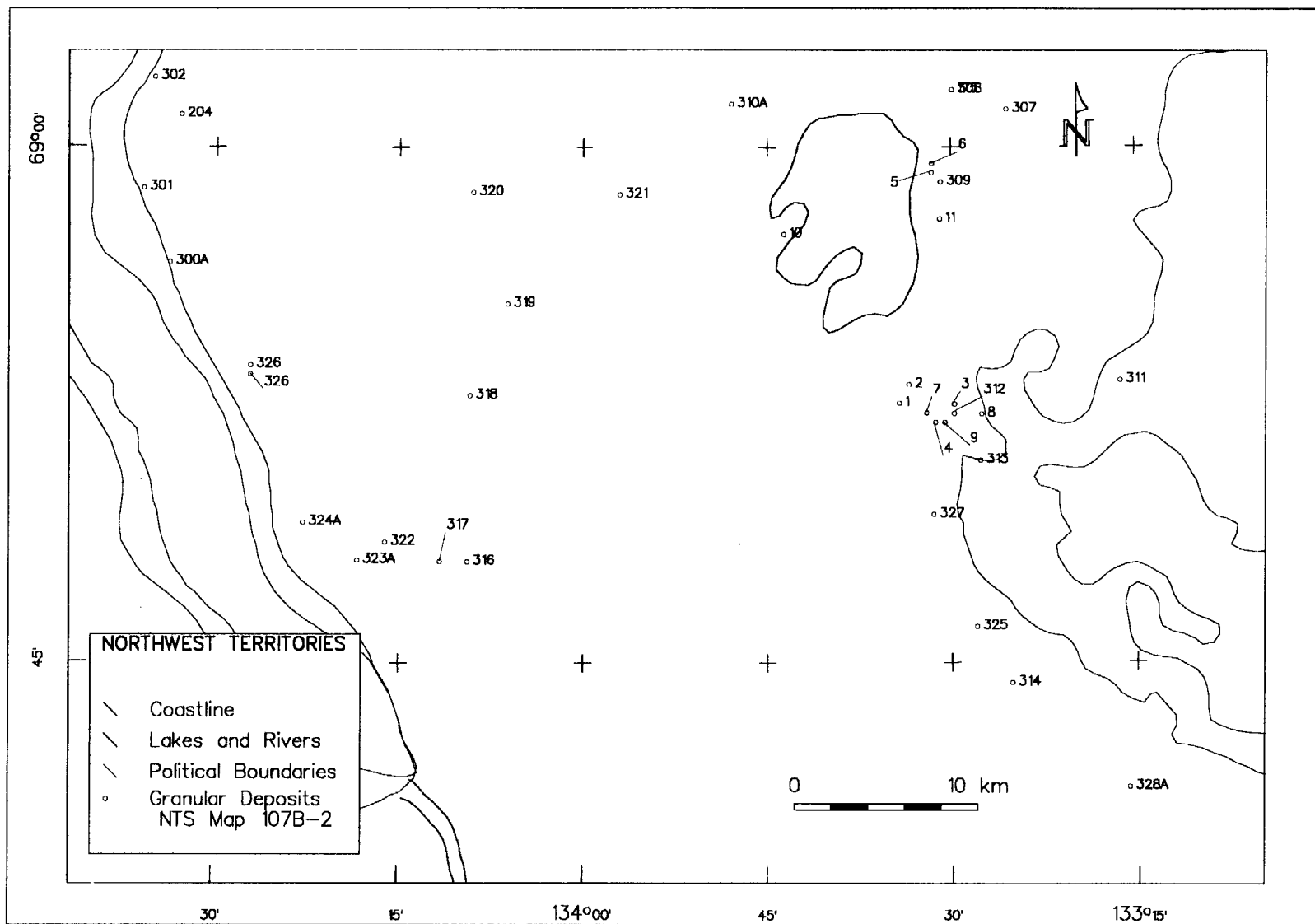
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS : OL-ML/SP-SM/SW		D-50 : 001600-003250-004000
CLASSIFICATION # : 15		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 15	GRAVEL(%) : 16-39-54
SIEVE ANAL. # : 6	MOISTURE(%) : RESULTS : 2-15-73	SAND(%) : 39-52-74
PETROGR. NO. : RESULTS : 201		FINES(%) : 3-7-13
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 4560000	PROSPECTIVE VOLUME :
CLASS 2 : /4560000/4560000	PROVEN VOLUME :	TOTAL RECOVERABLE : 4560000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		



DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
10	07/09/74	107B/15	551000	7650000	GRAVEL- some sand, trace silt	GLACIOFLUVIAL
11	07/09/74	107B/15	8	7651000	ICE-RICH SILTS, SANDS, GRAVELS	GLACIOFLUVIAL
2	07/09/74	107B/15	558000	7642000	GRAVEL- some sand, trace silt	GLACIOFLUVIAL
3	07/09/74	107B/15	560500	7641000	GRAVEL- sand, trace silt	GLACIOFLUVIAL
300A	/ /	107B/14	517500	7648000	SILT- some gravel, trace sand	GLACIOFLUVIAL
301	/ /	107B/14	516000	7652000	SAND & GRAVEL- little silt	GLACIOFLUVIAL
309	/ /	107B/15	559500	7653000	SAND & GRAVEL, trace silt	GLACIOFLUVIAL
311	/ /	107B/15	569500	7642500	SAND- trace silt	GLACIOFLUVIAL
312	/ /	107B/15	560500	7640500	GRAVEL & SAND- trace silt	GLACIOFLUVIAL
313	/ /	107B/15	562000	7638000	SAND- trace silt	GLACIOFLUVIAL
314	/ /	107B/15	564000	7626000	SAND- gravel	GLACIOFLUVIAL
316	/ /	107B/14	534000	7632000	SAND- gravel, trace silt	GLACIOFLUVIAL
317	/ /	107B/14	532500	7632000	GRAVEL- sand, trace silt	GLACIOFLUVIAL
318	/ /	107B/14	534000	7641000	SAND & GRAVEL	GLACIOFLUVIAL
319	/ /	107B/14	536000	7646000	GRAVEL- sand	GLACIOFLUVIAL
320	/ /	107B/14	534000	7652000	SAND- trace gravel, little silt	GLACIOFLUVIAL
321	/ /	107B/14	542000	7652000	SAND- some gravel, trace silt	GLACIOFLUVIAL
322	/ /	107B/14	529500	7633000	SAND- some gravel, some silt	GLACIOFLUVIAL
323A	/ /	107B/14	528000	7632000	GRAVEL & SAND- trace silt	GLACIOFLUVIAL
324A	/ /	107B/14	525000	7634000	GRAVEL & SAND- trace silt	GLACIOFLUVIAL
325	/ /	107B/14	562000	7629000	GRAVEL- sand, trace silt	GLACIOFLUVIAL
326	/ /	107B/14	522000	7642500	SAND- gravel, trace silt	GLACIOFLUVIAL
326	01/22/76	107B/14	522000	7642000	SAND- gravel	GLACIOFLUVIAL
327	/ /	107B/14	559500	7635000	GRAVEL- some sand, trace silt	GLACIOFLUVIAL
328A	/ /	107B/10	570500	7620500	SILT- trace sand, trace clay	GLACIOFLUVIAL;MORAIN
4	07/09/74	107B/15	559500	7640000	GRAVEL & SAND- trace silt	GLACIOFLUVIAL
5	07/09/74	107B/15	590000	7653500	GRAVEL-sand,trace cobbles silt	GLACIOFLUVIAL
6	07/09/74	107B/15	559000	7654000	GRAVEL- sand, trace silt	GLACIOFLUVIAL
7	07/09/74	107B/15	559000	7640500	GRAVEL-sand,trace cobbles silt	GLACIOFLUVIAL
8	07/09/74	107B/15	562000	7640500	GRAVEL- sand, trace silt	GLACIOFLUVIAL
9	07/09/74	107B/15	560000	7640000	GRAVEL- sand, trace silt	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I74KL-PL	LOCAL NAMES : PARSONS LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 1		NTS MAP REFERENCE : 107/B1
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : KLC74PL		

----- Location Details -----

LOCATION : 5 KM SE OF PARSONS LAKE	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 557500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7641000
OFFSET DISTANCE :	CENTRE LATITUDE : 68.88333
ACCESS LENGTH : 0	CENTRE LONGITUDE : 133.56667
SOURCE ACCESS : OVER TUNDRA	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 6000
PAST USE :	AREA : 28
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW	LAST INVESTIGATION DATE : 1974
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 61	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH : 1.2-9.1-18.3	TESTPITS:DEPTH :	EXPOSURES:DEPTH : 5.8-5.8-5.8	

----- Source Description -----

ACTIVE LAYER THICKNESS : VARIABLE	SITE DESCRIPTION DATE : 07/09/74	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : TERRACE
AREA DRAINAGE : MODERATELY WELL		TOPOGRAPHY : GENTLY ROLLING RIVER
VEGETATION : SCRUB BRUSH		
PERMAFROST FEATURES : ICE WEDGE POLYGONS		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL-sand, trace silt cobbles	OVERBURDEN THICKNESS : 0.2-1.1-4.0
GRANULAR THICKNESS : 1.2-9.1-18.3	OVERBURDEN TYPE : ORGANIC SILT, PEAT & ICE
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE : SILT, CLAY, SAND
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION; EXTENSIVE OVERBURDEN; LARGE SCALE DEV	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL-CL-ML/SP-SM-GP-GW/GW		D-50 : 000045-006515-013000
CLASSIFICATION # : 178		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 178	GRAVEL(%) : 0-60-85
SIEVE ANAL. # : 33	MOISTURE(%) : RESULTS : 3-10-59	SAND(%) : 13-30-47
PETROGR. NO.:RESULTS :		FINES(%) : 0-10-70
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 950000	PROSPECTIVE VOLUME :
CLASS 2 : 950000/950000/950000	PROVEN VOLUME :	TOTAL RECOVERABLE : 76000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :174KL-PL	LOCAL NAMES :PARSONS LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :2		NTS MAP REFERENCE :107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE :KLC74PL		

----- Location Details -----

LOCATION :5 KM SE OF PARSONS LAKE	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :	CENTRE EASTING(UTM) :558000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7642000
OFFSET DISTANCE :	CENTRE LATITUDE :68.88333
ACCESS LENGTH : 0	CENTRE LONGITUDE :133.55000
SOURCE ACCESS :OVER TUNDRA	OFFSET DIRECTION : 0.0
	KILOMETRE-POST :

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :6000
PAST USE :	AREA : 29
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW	LAST INVESTIGATION DATE :1974
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 34	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :1.5-6.0-13.7	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :07/09/74	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GENTLE		LANDFORM :TERRACE
AREA DRAINAGE :MODERATELY WELL, N- POOR		TOPOGRAPHY :RIVER TERRACE
VEGETATION :SCRUB BRUSH, TUNDRA		
PERMAFROST FEATURES :ICE WEDGE POLYGONS		

----- Source Stratigraphy -----

GRANULAR TYPE :GRAVEL- some sand, trace silt	OVERBURDEN THICKNESS :0.1-0.6-2.7
GRANULAR THICKNESS :1.5-6.0-13.7	OVERBURDEN TYPE :ORGANIC SILT, PEAT & ICE
DEVELOP. POTENTIAL :SUITABLE	UNDERBURDEN TYPE :SILT, SAND, CLAY
DEVELOP. CONSTRAINTS :PIT MANAGEMENT TO AVOID LAKE SILTATION; EXTENSIVE OVERBURDEN	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-CL/ML-SP-SM-GM-GW/GM-GW.	D-50 :000200-004813-009500
CLASSIFICATION # : 14	OVERSIZE(%) :
PETRO NO. : 0	GRAVEL(%) :0-50-73
SIEVE ANAL. # : 8	SAND(%) :23-41-80
PETROGR. NO.:RESULTS :	FINES(%) :2-7-20
OTHER TESTS :	
	MOISTURE(%) :NUMBER : 14
	MOISTURE(%) :RESULTS :4-12-28

----- Material Quantity -----

CLASS 1 :190000/190000/190000	TOTAL VOLUME : 273600	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 190000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER : I74KL-PL	LOCAL NAMES : PARSONS LAKE	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) : 3		NTS MAP REFERENCE : 107B/15	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000	
SOURCE REFERENCE : KLC74PL			
----- Location Details -----			
LOCATION : 9 KM SE OF PARSONS LAKE		CENTRE ZONE(UTM) : 8	
CORRIDOR NAME :		CENTRE EASTING(UTM) : 560500	
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) : 7641000	
OFFSET DISTANCE :	CENTRE LATITUDE : 68.77167	OFFSET DIRECTION :	
ACCESS LENGTH : 0	CENTRE LONGITUDE : 133.48333	KILOMETRE-POST : 0.0	
SOURCE ACCESS : OVER TUNDRA			

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE : INUVIALUIT 7(1)(B)- TUK	STATUS : UNDEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE : 6000		
PAST USE :	AREA : 19		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0		
PERFORMANCE RATING :	-FOR PIPELINE : 0		
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW	LAST INVESTIGATION DATE : 1974		
EXISTING REPORTS			
GEOPHYSICAL DATA :	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER : 56	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH : 4.0-7.2-10.4	TESTPITS:DEPTH :	EXPOSURES:DEPTH : 1.2-1.2-1.2	
----- Source Description -----			
ACTIVE LAYER THICKNESS : 0.3-1.1-1.8	SITE DESCRIPTION DATE : 07/09/74	GENERIC ORIGIN : GLACIOFLUVIAL	
SLOPE : GENTLE		LANDFORM : TERRACE	
AREA DRAINAGE : MODERATE		TOPOGRAPHY : RIVER TERRACE	
VEGETATION : SCRUB BRUSH, TUNDRA			
PERMAFROST FEATURES : ICE WEDGE POLYGONS			
----- Source Stratigraphy -----			
GRANULAR TYPE : GRAVEL- sand, trace silt	OVERBURDEN THICKNESS : 0.3-2.0-3.7		
GRANULAR THICKNESS : 1.2-7.2-10.4	OVERBURDEN TYPE : PEAT, SILT & ICE		
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE : SILT, CLAY & SAND		
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION; OVERBURDEN			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS : CL-OL-ML/SM-GM-GW/GW		D-50 : 003500-007414-014000	
CLASSIFICATION # : 29		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) : NUMBER : 29	GRAVEL(%) : 50-60-78	
SIEVE ANAL. # : 7	MOISTURE(%) : RESULTS : 4-20-56	SAND(%) : 20-36-45	
PETROGR. NO.:RESULTS :		FINES(%) : 2-4-7	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 440800	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 281200	
CLASS 3 : 440800/440800/440800	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      : I74KL-PL          LOCAL NAMES : PARSONS LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  : 4                  NTS MAP REFERENCE : 107B/15
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 125000
SOURCE REFERENCE  : KLC74PL

----- Location Details -----

LOCATION           : 8 KM SE OF PARSONS LAKE          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :                               CENTRE EASTING(UTM)   : 559500
CORRIDOR NUMBER  :                               CENTRE NORTHING(UTM)  : 7640000
OFFSET DISTANCE  :                               CENTRE LATITUDE : 68.76667
ACCESS LENGTH    : 0                           CENTRE LONGITUDE : 133.50500
SOURCE ACCESS    : OVER TUNDRA                  OFFSET DIRECTION      :
KILOMETRE-POST   : 0.0

-----

CONDITION        : WINTER ICE ROAD              DIGITIZER NUMBER :
LAND TENURE      : INUVIALUIT 7(1)(B)- TUK      STATUS : UNDEVELOPED
STOCKPILE TYPE   :                               SITE PLAN SCALE : 6000
PAST USE         :                               AREA : 7
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                               -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW  LAST INVESTIGATION DATE : 1974
EXISTING REPORTS
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 14          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH  : 4.3-8.7-12.2 TESTPITS:DEPTH :           EXPOSURES:DEPTH  : 2.1-2.1-2.1

----- Source Description -----

ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : 07/09/74          GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE                  : FLAT                                     LANDFORM       : TERRACE
AREA DRAINAGE          : N- POOR                                 TOPOGRAPHY     : HIGH TERRACE
VEGETATION             :
PERMAFROST FEATURES    : ICE WEDGE POLYGONS, MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          : GRAVEL & SAND- trace silt          OVERBURDEN THICKNESS : 1.1-2.1-3.0
GRANULAR THICKNESS     : 2.1-8.2-12.2                     OVERBURDEN TYPE      : ORGANIC SILT & PEAT
DEVELOP. POTENTIAL     : POOR                               UNDERBURDEN TYPE     : MASSIVE ICE & SILT
DEVELOP. CONSTRAINTS   : PIT MANAGEMENT TO AVOID LAKE SILTATION; EXTENSIVE OVERBURDEN; LIMITED VOLUME

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

----- Test Results -----

UNIFIED SOIL:CLASS     : OL-ML/SM-GM/SW-GW
CLASSIFICATION #       : 27
PETRO NO.              : 0
SIEVE ANAL. #         : 6
PETROGR. NO.:RESULTS  :
OTHER TESTS            :

MOISTURE(%):NUMBER    : 27
MOISTURE(%):RESULTS   : 4-16-39

D-50                   : 000600-004100-007000
OVERSIZE(%)           :
GRAVEL(%)              : 34-47-60
SAND(%)                : 36-48-60
FINES(%)               : 4-5-6

----- Material Quantity -----

CLASS 1 :
CLASS 2 : 152000/152000/152000
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 152000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 152000
ANNUAL RECOVERABLE : 0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I74KL-PL	LOCAL NAMES : PARSONS LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5		NTS MAP REFERENCE : 107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : KLC74PL		

----- Location Details -----

LOCATION : 1.6 KM ENE PARSONS LAKE	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 590000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7653500
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : OVER TUNDRA	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 6000
PAST USE : OIL & GAS EXPLORATION	AREA : 6
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW	LAST INVESTIGATION DATE : 1974
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 4	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH : 8.5-12.6-18.3	TESTPITS:DEPTH :	EXPOSURES:DEPTH : 1.2-1.2-1.2	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0-1.1-2.1	SITE DESCRIPTION DATE : 07/09/74	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : STEEP		LANDFORM : KAME ON OUTWASH PLAI
AREA DRAINAGE : MODERATE		TOPOGRAPHY : KAME FIELD
VEGETATION : SCRUB BRUSH, TUNDRA		
PERMAFROST FEATURES : GROUND ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL-sand, trace cobbles silt	OVERBURDEN THICKNESS : 0.6-1.6-2.4
GRANULAR THICKNESS : 1.2-10.3-18.3	OVERBURDEN TYPE : PEAT, SILT & ICE
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE : SILT, ICE
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION; DEEP OVERBURDEN; MORE DRILLING	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt-ML/SM-GM/GW		D-50 : 006000
CLASSIFICATION # : 5		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 5	GRAVEL(%) : 55
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 6-21-33	SAND(%) : 43
PETROGR. NO. : RESULTS : 275		FINES(%) : 2
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 30400	PROSPECTIVE VOLUME :
CLASS 2 : 30400/30400/30400	PROVEN VOLUME :	TOTAL RECOVERABLE : 30400
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I74KL-PL	LOCAL NAMES : PARSONS LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 6		NTS MAP REFERENCE : 107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : KLC74PL		

----- Location Details -----

LOCATION : 1.6 KM ENE PARSONS LAKE	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 559000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7654000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : OVER TUNDRA	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 6000
PAST USE : GRANULAR BORROW SOURCE	AREA : 4
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW	LAST INVESTIGATION DATE : 1974
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 2	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH : 9.1-11.1-13.1	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 07/09/74	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : STEEP		LANDFORM : KAME
AREA DRAINAGE : WELL		TOPOGRAPHY : KAME KNOLL
VEGETATION : SCRUB BRUSH, TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- sand, trace silt	OVERBURDEN THICKNESS : 0.2-4.2-8.2
GRANULAR THICKNESS : 6.1-9.5-13.1	OVERBURDEN TYPE : PEAT, SILT & ICE
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION; DEEP OVERBURDEN; LIMITED VOLUME	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt-ML/SM-GM/GW		D-50 : 006000
CLASSIFICATION # : 4		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 4	GRAVEL(%) : 55
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 7-18-32	SAND(%) : 43
PETROGR. NO. : RESULTS :		FINES(%) : 2
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 7600	PROSPECTIVE VOLUME :
CLASS 2 : 7600/7600/7600	PROVEN VOLUME :	TOTAL RECOVERABLE : 7600
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      : I74KL-PL          LOCAL NAMES : PARSONS LAKE      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  : 7                  NTS MAP REFERENCE : 107B/15
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE  : KLC74PL

----- Location Details -----
LOCATION           : 8 KM SE OF PARSONS LAKE
CORRIDOR NAME    :
CORRIDOR NUMBER  :                    CENTRE LATITUDE : 68.85000
OFFSET DISTANCE  :                    CENTRE LONGITUDE : 133.53333
ACCESS LENGTH    : 0
SOURCE ACCESS    : OVER TUNDRA        CENTRE ZONE(UTM) : 8
                                           CENTRE EASTING(UTM) : 559000
                                           CENTRE NORTHING(UTM) : 7640500
                                           OFFSET DIRECTION :
                                           KILOMETRE-POST : 0.0

-----
CONDITION        : WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE       : INUVIALUIT 7(1)(B)- TUK STATUS : UNDEVELOPED
STOCKPILE TYPE    :                    SITE PLAN SCALE : 6000
PAST USE          :                    AREA : 42
STOCKPILE QUANTITY :                    EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                    -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW LAST INVESTIGATION DATE : 1974
EXISTING REPORTS
GEOPHYSICAL DATA :                    TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 20          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH : 4.3-6.0-9.1 TESTPITS:DEPTH :          EXPOSURES:DEPTH : 1.5-1.5-1.5

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : 07/09/74    GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE                  : GRADUAL                                LANDFORM : TERRACE
AREA DRAINAGE          : WELL                                  TOPOGRAPHY : RIVER TERRACE
VEGETATION             : SCRUB BRUSH, TUNDRA
PERMAFROST FEATURES    : ICE WEDGE POLYGONS

----- Source Stratigraphy -----
GRANULAR TYPE          : GRAVEL-sand, trace cobbles silt      OVERBURDEN THICKNESS : 0.1-1.0-3.7
GRANULAR THICKNESS     : 1.5-5.8-9.1                        OVERBURDEN TYPE : ORGANIC SILT, SAND, PEAT & ICE
DEVELOP. POTENTIAL     : POOR                                UNDERBURDEN TYPE : SILT, SAND
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION; EXTENSIVE OVERBURDEN; MORE DRILLING

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS : Pt-ML/SM-GM-GW/GW
CLASSIFICATION # : 8
PETRO NO. : 0
SIEVE ANAL. # : 4
PETROGR. NO.:RESULTS :
OTHER TESTS :
MOISTURE(%):NUMBER : 8
MOISTURE(%):RESULTS : 3-13-28
D-50 : 006500-011000-014000
OVERSIZE(%) :
GRAVEL(%) : 62-74-86
SAND(%) : 12-25-37
FINES(%) : 2-4-5

----- Material Quantity -----
CLASS 1 : TOTAL VOLUME : 0 PROSPECTIVE VOLUME :
CLASS 2 : PROVEN VOLUME : TOTAL RECOVERABLE : 0
CLASS 3 : PROBABLE VOLUME : ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      : I74KL-PL          LOCAL NAMES : PARSONS LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  : 8                  NTS MAP REFERENCE : 107B/15
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 125000
SOURCE REFERENCE  : KLC74PL

----- Location Details -----
LOCATION           : 8 KM SE PARSONS LAKE          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :                               CENTRE EASTING(UTM)   : 562000
CORRIDOR NUMBER  :                               CENTRE NORTHING(UTM)  : 7640500
OFFSET DISTANCE  :                               CENTRE LONGITUDE      : 133.46667
ACCESS LENGTH    : 0                           OFFSET DIRECTION      :
SOURCE ACCESS    : OVER TUNDRA                  KILOMETRE-POST       : 0.0

-----
CONDITION        : WINTER ICE ROAD              DIGITIZER NUMBER     :
LAND TENURE      : INUVIALUIT 7(1)(B)- TUK      STATUS               : UNDEVELOPED
STOCKPILE TYPE   :                               SITE PLAN SCALE      : 6000
PAST USE         :                               AREA              : 58
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                               -FOR PIPELINE        : 0
                                                    PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW  LAST INVESTIGATION DATE : 1974
EXISTING REPORTS
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY      :

----- Subsurface Data -----
BOREHOLES:NUMBER : 55          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  : 4.3-7.5-18.3 TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS :                               SITE DESCRIPTION DATE : 07/09/74          GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE                  : GRADUAL                      LANDFORM        : TERRACE
AREA DRAINAGE          : MODERATE                      TOPOGRAPHY      : BROAD RIVER TERRACE
VEGETATION             : SCRUB BRUSH, TUNDRA
PERMAFROST FEATURES    : ICE WEDGE POLYGONS

----- Source Stratigraphy -----
GRANULAR TYPE          : GRAVEL- sand, trace silt          OVERBURDEN THICKNESS : 0.1-0.8-4.3
GRANULAR THICKNESS     : 4.3-7.5-18.3                     OVERBURDEN TYPE      : ORGANIC SILT, PEAT & ICE
DEVELOP. POTENTIAL     : UNSUITABLE                       UNDERBURDEN TYPE    : SANDS, SILTS AND GRAVELS
DEVELOP. CONSTRAINTS   : PIT MANAGEMENT TO AVOID LAKE SILTATION; LIMITED VOLUME; EXTENSIVE OVERBURDEN

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     : Pt-CL-ML-SP/SM-GM/GW
CLASSIFICATION #       : 28
PETRO NO.              : 0                               MOISTURE(%):NUMBER   : 28
SIEVE ANAL. #         : 5                               MOISTURE(%):RESULTS  : 6-21-50
PETROGR. NO.:RESULTS  :
OTHER TESTS           :
D-50                   : 000350-004280-009200
OVERSIZE(%)           :
GRAVEL(%)              : 1-39-73
SAND(%)                : 24-54-82
FINES(%)               : 2-7-17

----- Material Quantity -----
CLASS 1 :                               TOTAL VOLUME      : 76000          PROSPECTIVE VOLUME :
CLASS 2 :                               PROVEN VOLUME     :                TOTAL RECOVERABLE  : 76000
CLASS 3 : 76000/76000/76000             PROBABLE VOLUME   :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I74KL-PL	LOCAL NAMES : PARSONS LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 10		NTS MAP REFERENCE : 107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : KLC74PL		

----- Location Details -----

LOCATION : 1.6 KM ENE PARSONS LAKE	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 551000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7650000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : OVER TUNDRA	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 6000
PAST USE :	AREA : 6
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW	LAST INVESTIGATION DATE : 1974
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 9	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 4.3-10.2-13.7	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 07/09/74	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : KAME;OUTWASH PLAIN
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING
VEGETATION : SCRUB BRUSH, TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE;ICE WEDGE POLYGONS		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- some sand, trace silt	OVERBURDEN THICKNESS : 0.9-3.9-8.8
GRANULAR THICKNESS : 0-5.2-11.3	OVERBURDEN TYPE : ORGANIC SILT
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION;EXTENSIVE OVERBURDEN;VARIABLE AMOUNT	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL-ML/ML-SM-GM/SW-GW	D-50 :
CLASSIFICATION # : 10	OVERSIZE(%) :
PETRO NO. : 0	GRAVEL(%) :
SIEVE ANAL. # : 0	SAND(%) :
PETROGR. NO.:RESULTS :	FINES(%) :
OTHER TESTS :	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      : I74KL-PL          LOCAL NAMES : PARSONS LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  : 11                CENTRE LATITUDE : 68.78333          NTS MAP REFERENCE : 107B/15
STUDY ORDER      :                    CENTRE LONGITUDE : 133.53333         MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                    ACCESS LENGTH    : 0                MAP LOC./PLAN SCALE : 125000
SOURCE REFERENCE : KLC74PL

----- Location Details -----
LOCATION           : 1.6 KM ENE PARSONS LAKE
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    : 0
SOURCE ACCESS    : OVER TUNDRA

CENTRE ZONE(UTM) : 8
CENTRE EASTING(UTM) : 8
CENTRE NORTHING(UTM) : 7651000
OFFSET DIRECTION :
KILOMETRE-POST   : 0.0

-----
CONDITION        : WINTER ICE ROAD    DIGITIZER NUMBER :
LAND TENURE      : CROWN              STATUS : UNDEVELOPED
STOCKPILE TYPE   :
PAST USE         :
STOCKPILE QUANTITY :
PERFORMANCE RATING :
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLORATN; DELINEATN; PRODUCTN; REVIEW  LAST INVESTIGATION DATE : 1974
EXISTING REPORTS
GEOPHYSICAL DATA :
TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 13          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH : 9.1-11.5-17.7 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE : GENTLE                SITE DESCRIPTION DATE : 07/09/74          GENERIC ORIGIN : GLACIOFLUVIAL
AREA DRAINAGE : MODERATE          LANDFORM : OUTWASH PLAIN
VEGETATION : SCRUB BRUSH, TUNDRA    TOPOGRAPHY : BROAD, ROLLING OUTWA
PERMAFROST FEATURES : MASSIVE ICE; ICE WEDGE POLYGONS

----- Source Stratigraphy -----
GRANULAR TYPE : ICE-RICH SILTS, SANDS, GRAVELS          OVERBURDEN THICKNESS : 0-1.2-2.4
GRANULAR THICKNESS : 0.5-5.0-17.5          OVERBURDEN TYPE : PEAT, ORGANIC SILT & ICE
DEVELOP. POTENTIAL : UNSUITABLE          UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : PIT MANAGEMENT TO AVOID LAKE SILTATION; ICE-RICH; LOW QUALITY

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS : Pt-CL-OL/ML-GM/GW
CLASSIFICATION # : 5
PETRO NO. : 0
SIEVE ANAL. # : 0
PETROGR. NO.:RESULTS :
OTHER TESTS :
MOISTURE(%):NUMBER : 5
MOISTURE(%):RESULTS : 10-37-93
D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 0
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 0
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :EAST CHANNEL          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :300A                NTS MAP REFERENCE :107B/14
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL7323             MAP DIGITIZER NUMBER :
                                           MAP LOC./PLAN SCALE : 1700000

----- Location Details -----
LOCATION           :8 KM E TUNUNUK POINT          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD            CENTRE EASTING(UTM)  :517500
CORRIDOR NUMBER  :                             CENTRE NORTHING(UTM) :7648000
OFFSET DISTANCE  :4572                        CENTRE LATITUDE      :68.93333
ACCESS LENGTH    : 4572                       CENTRE LONGITUDE     :134.61667
SOURCE ACCESS    :                             OFFSET DIRECTION    :R
                                           KILOMETRE-POST      : 0.0

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER      DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(A)- INUVIK          STATUS :UNDEVELOPED
STOCKPILE TYPE    :
PAST USE          :
STOCKPILE QUANTITY :
PERFORMANCE RATING :
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :
SITE PLAN SCALE :36000
AREA : 84

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA :
TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 4          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :0.6-2.5-4.3 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.5-2.4-4.3          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL                                LANDFORM :TERRACE REMNANT
AREA DRAINAGE :MODERATELY WELL                TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION :TUNDRA;MOSS, LICHENS, DWARF SHRUBS WITH SPHAGNUM BOGS
PERMAFROST FEATURES :POLYGONAL ICE WEDGES

----- Source Stratigraphy -----
GRANULAR TYPE :SILT- some gravel, trace sand          OVERBURDEN THICKNESS :0.3-0.8-1.2
GRANULAR THICKNESS :0.6-2.5-4.3                    OVERBURDEN TYPE :ORGANIC SILT (OL)
DEVELOP. POTENTIAL :UNSUITABLE                      UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :HIGH SILT & ICE CONTENT; CRITICAL WILDLIFE AREA; MACKENZIE REINDEER GRAZING

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :OL-GP/ML/SW-SM
CLASSIFICATION # : 4
PETRO NO. : 0
SIEVE ANAL. # : 0
PETROGR. NO.:RESULTS :
OTHER TESTS :
MOISTURE(%):NUMBER : 5
MOISTURE(%):RESULTS :3-14-24
D-50 :000320-000600-000800
OVERSIZE(%) :
GRAVEL(%) :9-17-27
SAND(%) :35-49-67
FINES(%) :6-35-54

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 0
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 0
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-23	LOCAL NAMES : EAST CHANNEL	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 301		NTS MAP REFERENCE : 107B/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7323		

----- Location Details -----

LOCATION : 3.2 KM SE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 516000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7652000
OFFSET DISTANCE : 0;0	OFFSET DIRECTION : L/R
ACCESS LENGTH : 0	KILOMETRE-POST : 72.0
SOURCE ACCESS : ADJACENT TO RIVER	

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- INUVIK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 105
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 6	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.9-4.0-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 1.2	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : TERRACE REMNANT
AREA DRAINAGE : MODERATELY WELL		TOPOGRAPHY : HUMMOCKY
VEGETATION : TUNDRA; MOSS, LICHENS, DWARF SHRUBS WITH SPARSE SPHAGNUM BOGS		
PERMAFROST FEATURES : POLYGONAL ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND & GRAVEL- little silt	OVERBURDEN THICKNESS : 0.3-0.8-1.2
GRANULAR THICKNESS : 0.9-3.9-9.1	OVERBURDEN TYPE : PEAT & organic silt
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : CRITICAL WILDLIFE AREA; MACKENZIE REINDEER GRAZING; HIGH SILT; FURTHER STUDY	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL/SP-SM/GW-GM		D-50 : 000072-000990-003600
CLASSIFICATION # : 16		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 16	GRAVEL(%) : 1-18-50
SIEVE ANAL. # : 11	MOISTURE(%) : RESULTS : 6-22-84	SAND(%) : 40-60-92
PETROGR. NO.:RESULTS :		FINES(%) : 6-22-49
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 3040000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 3040000
CLASS 3 : /3040000/3040000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z3	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 309		NTS MAP REFERENCE : 107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7323		

----- Location Details -----

LOCATION : 56 KM S TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 559500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7653000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 71.0
SOURCE ACCESS :	
CENTRE LATITUDE : 68.98333	
CENTRE LONGITUDE : 133.48333	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : ABANDONED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE : OIL EXPLORATION	AREA : 376
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : UNKNOWN	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 8	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH : 1.2-5.3-9.1	TESTPITS:DEPTH : 0.5-0.6-0.9	EXPOSURES:DEPTH : 1.22	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.9	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : KAME FIELD
AREA DRAINAGE : WELL		TOPOGRAPHY : HUMMOCKY
VEGETATION : TUNDRA; MOSS, LICHENS, DWARF SHRUBS TO 0.6 M; KAME TOPS BARE		
PERMAFROST FEATURES : POLYGONAL ICE WEDGES; MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND & GRAVEL, trace silt	OVERBURDEN THICKNESS : 0.2-0.7-0.9
GRANULAR THICKNESS : 0.5-3.5-9.1	OVERBURDEN TYPE : SILT- organics, peat, roots
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE : MASSIVE ICE, BEDROCK
DEVELOP. CONSTRAINTS : ACCESS; CRITICAL WILDLIFE AREA; MASSIVE ICE; ENVIRONMENTAL STUDY	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL-ML-GP/GM-GW-SW-SM		D-50 : 000095-005091-020000
CLASSIFICATION # : 28		OVERSIZE(%) :
PETRO NO. : 2	MOISTURE(%) : NUMBER : 28	GRAVEL(%) : 4-50-89
SIEVE ANAL. # : 20	MOISTURE(%) : RESULTS : 0-11-73	SAND(%) : 20-40-90
PETROGR. NO.:RESULTS : 158-185-212		FINES(%) : 1-12-45
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 1520000	PROSPECTIVE VOLUME :
CLASS 2 : /1520000/1520000	PROVEN VOLUME :	TOTAL RECOVERABLE : 1520000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z3	LOCAL NAMES : ESKIMO LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 311		NTS MAP REFERENCE : 107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7323		

----- Location Details -----

LOCATION : 61 KM NE INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 569500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7642500
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : ACROSS ESKIMO LAKES	

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(B)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 125
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-1.4-2.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : STEEP		LANDFORM : BANK ON LAKE
AREA DRAINAGE : MODERATE		TOPOGRAPHY : SAND BANK AT EDGE OF
VEGETATION : BARREN		
PERMAFROST FEATURES : POLYGONAL ICE WEDGES; MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- trace silt	OVERBURDEN THICKNESS : 0.6-1.1-1.5
GRANULAR THICKNESS : 0.6-1.4-2.1	OVERBURDEN TYPE : PEAT
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : LIMITED DEVELOPMENT; SILTATION; CRITICAL WILDLIFE AREA; RECREATIONAL AREA	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL/SP-SM/SP		D-50 : 000300-000335-000370
CLASSIFICATION # : 2		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 2	GRAVEL(%) : 0-1-2
SIEVE ANAL. # : 2	MOISTURE(%) : RESULTS : 6-11-17	SAND(%) : 94-96-97
PETROGR. NO.:RESULTS :		FINES(%) : 1-4-6
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 304000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 304000
CLASS 3 : /304000/304000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z3	LOCAL NAMES :ESKIMO LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :312		NTS MAP REFERENCE :107B/15
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE :RKL7323		

----- Location Details -----

LOCATION :58 KM N INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :560500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7640500
OFFSET DISTANCE :	CENTRE LATITUDE :68.88333
ACCESS LENGTH : 0	CENTRE LONGITUDE :133.41667
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

----- Condition and Digitizer Information -----

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVIALUIT 7(1)(B)- TUK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 167
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 8	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-4.9-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :0.6-0.9-1.2	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :TERRACE
AREA DRAINAGE :MODERATE		TOPOGRAPHY :HUMMOCKY
VEGETATION :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.9 M, GRASS		
PERMAFROST FEATURES :POLYGONAL ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE :GRAVEL & SAND- trace silt	OVERBURDEN THICKNESS :0.2-0.3-0.5
GRANULAR THICKNESS :0.6-4.4-9.1	OVERBURDEN TYPE :SILT- organics, roots, peat
DEVELOP. POTENTIAL :SUITABLE	UNDERBURDEN TYPE :SILT & MASSIVE ICE
DEVELOP. CONSTRAINTS :CRITICAL WILDLIFE AREA; RECREATIONAL AREA; SILTATION; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-CL/SP-SM/GW		D-50 :000080-004051-011000
CLASSIFICATION # : 20		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER : 20	GRAVEL(%) :0-46-80
SIEVE ANAL. # : 13	MOISTURE(%) :RESULTS :4-14-36	SAND(%) :10-44-84
PETROGR. NO.:RESULTS :150		FINES(%) :2-9-48
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 4560000	PROSPECTIVE VOLUME :
CLASS 2 :/4560000/4560000	PROVEN VOLUME :	TOTAL RECOVERABLE : 4560000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :313                  NTS MAP REFERENCE :107B/15
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----

LOCATION           :56 KM N INUVUVIK      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD     CENTRE EASTING(UTM)  :562000
CORRIDOR NUMBER  :                     CENTRE NORTHING(UTM) :7638000
OFFSET DISTANCE  :                     CENTRE LATITUDE :68.86667
ACCESS LENGTH    : 0                   CENTRE LONGITUDE :133.38333
SOURCE ACCESS    :                     OFFSET DIRECTION :
KILOMETRE-POST   : 0.0

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- TUK          STATUS :UNDEVELOPED
STOCKPILE TYPE   :                     SITE PLAN SCALE :36000
PAST USE         :                     AREA : 63
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA   :                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 5          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :             TESTPITS:DEPTH :4.3-4.3-4.3 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.8          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM :OUTWASH
AREA DRAINAGE          :MODERATE        TOPOGRAPHY :FLAT TO HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.3 M
PERMAFROST FEATURES    :POLYGONAL ICE WEDGES

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- trace silt          OVERBURDEN THICKNESS :0.3-0.4-0.5
GRANULAR THICKNESS     :0.8-3.6-4.3          OVERBURDEN TYPE :SILT- organics, roots, peat
DEVELOP. POTENTIAL     :POOR                UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS   :CRITICAL WILDLIFE AREA; RECREATIONAL AREA; SILTATION; MASSIVE ICE; EROSION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML-CI/SP-SM/SP-SM
CLASSIFICATION #       : 13
PETRO NO.              : 0          MOISTURE(%):NUMBER : 13
SIEVE ANAL. #         : 4          MOISTURE(%):RESULTS :14-26-38
PETROGR. NO.:RESULTS  :
OTHER TESTS            :
D-50                   :000180-000260-000300
OVERSIZE(%)           :
GRAVEL(%)              :0-1-1
SAND(%)                :82-91-94
FINES(%)               :6-9-17

----- Material Quantity -----

CLASS 1 :                     TOTAL VOLUME : 38000          PROSPECTIVE VOLUME :
CLASS 2 :                     PROVEN VOLUME :                 TOTAL RECOVERABLE : 38000
CLASS 3 :/38000/38000          PROBABLE VOLUME :                 ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :314                  NTS MAP REFERENCE :107B/15
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL7323             MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 1700000

----- Location Details -----
LOCATION           :45 KM N INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)  :564000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM) :7626000
OFFSET DISTANCE  :                        CENTRE LATITUDE :68.76667
ACCESS LENGTH    : 0                     CENTRE LONGITUDE :133.35000
SOURCE ACCESS    :                        OFFSET DIRECTION  :
KILOMETRE-POST   : 0.0

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER    DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(B)- TUK             STATUS :UNDEVELOPED
STOCKPILE TYPE   :                        SITE PLAN SCALE :36000
PAST USE         :                        AREA : 502
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                        -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA :                        TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :0.6-0.9-1.2 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9-1.1-1.2    SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM :TERRACE
AREA DRAINAGE          :MODERATELY WELL  TOPOGRAPHY :HUMMOCKY, ROLLING HI
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS
PERMAFROST FEATURES    :POLYGONAL ICE WEDGES

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- gravel          OVERBURDEN THICKNESS :0.1-0.2-0.3
GRANULAR THICKNESS     :0.6-0.9-1.2          OVERBURDEN TYPE :SILT- organic, peat
DEVELOP. POTENTIAL     :FAIR                UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS   :STREAM SILTATION; RECREATIONAL AREA; CRITICAL WILDLIFE AREA; MASSIVE ICE

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL-SP/SW/SW
CLASSIFICATION #       : 2
PETRO NO.              : 1
SIEVE ANAL. #         : 2
PETROGR. NO.:RESULTS  :372
OTHER TESTS            :
MOISTURE(%):NUMBER    : 2
MOISTURE(%):RESULTS   :2-4-6
D-50                  :002500-004500-006500
OVERSIZE(%)           :
GRAVEL(%)              :35-45-55
SAND(%)                :44-53-62
FINES(%)               :1-2-3

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :/2280000/2280000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 2280000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 2280000
ANNUAL RECOVERABLE : 0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :CARIBOU HILLS          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :315                  NTS MAP REFERENCE :107B/15
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----

LOCATION           :60 KM N INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)  :544000
CORRIDOR NUMBER  :                       CENTRE NORTHING(UTM) :7445000
OFFSET DISTANCE  :                       CENTRE LATITUDE :68.90000
ACCESS LENGTH    : 0                     CENTRE LONGITUDE :133.88333
SOURCE ACCESS    :                       OFFSET DIRECTION  :
                                           KILOMETRE-POST      : 0.0

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :CROWN                      STATUS :UNDEVELOPED
STOCKPILE TYPE   :                           SITE PLAN SCALE :36000
PAST USE         :                           AREA : 502
STOCKPILE QUANTITY :                       EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                       -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   : STUDIES                                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 5          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.8-7.0-11. EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE                               LANDFORM :OUTWASH
AREA DRAINAGE          :MODERATE                             TOPOGRAPHY :LAKESIDE EMBANKMENT,
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND & GRAVEL- trace silt          OVERBURDEN THICKNESS :0.2-0.3-0.3
GRANULAR THICKNESS     :0.8-6.3-8.8                      OVERBURDEN TYPE :SILT- organics, root, peat
DEVELOP. POTENTIAL     :SUITABLE                          UNDERBURDEN TYPE :BEDROCK, MASSIVE ICE
DEVELOP. CONSTRAINTS  :STREAM SILTATION; REQUIRES CAREFUL PIT PLANNING

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML/SW/SW-SM-GW-GM
CLASSIFICATION #       : 35
PETRO NO.              : 1
SIEVE ANAL. #         : 13
PETROGR. NO.:RESULTS  :122
OTHER TESTS            :
MOISTURE(%):NUMBER    : 35
MOISTURE(%):RESULTS   :3-8-19
D-50                  :001500-002377-005500
OVERSIZE(%)           :
GRAVEL(%)              :25-40-45
SAND(%)                :38-47-67
FINES(%)               :2-8-19

----- Material Quantity -----

CLASS 1 :
CLASS 2 :/4560000/4560000
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 4560000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 4560000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-23	LOCAL NAMES :PETER LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :316		NTS MAP REFERENCE :107B/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE :RKL7323		

----- Location Details -----

LOCATION :50 KM NW INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :534000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7632000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :INUVIALUIT 7(1)(A)- INUVIK	STATUS :DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :SMALL VOLUME FOR OIL EXPLORATI	AREA : 188
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 8	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-4.5-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :STEEP		LANDFORM :OUTWASH REMNANT
AREA DRAINAGE :WELL		TOPOGRAPHY :GLACIAL SPILLWAY CHA
VEGETATION :THIN MOSS AND SCATTERED DWARF SHRUBS		
PERMAFROST FEATURES :MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- gravel, trace silt	OVERBURDEN THICKNESS :0.3-0.4-0.5
GRANULAR THICKNESS :0.6-4.0-9.1	OVERBURDEN TYPE :SILT- organics, roots, peat
DEVELOP. POTENTIAL :SUITABLE	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :WILDLIFE AREA; LAKE SILTATION; REQUIRES CAREFUL PIT MANAGEMENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-CL-SP-ML/SW-SM/GW-GM	D-50 :000120-003000-005500
CLASSIFICATION # : 23	OVERSIZE(%) :
PETRO NO. : 1	GRAVEL(%) :12-36-54
SIEVE ANAL. # : 8	SAND(%) :34-50-57
PETROGR. NO.:RESULTS :266	FINES(%) :6-14-39
OTHER TESTS :	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 760000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 760000
CLASS 3 :/760000/760000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :PETER LAKE          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :317                NTS MAP REFERENCE  :107B/14
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----

LOCATION           :50 KM NW INUVIK      CENTRE ZONE(UTM)    : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD    CENTRE EASTING(UTM) :532500
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM):7632000
OFFSET DISTANCE  :                      OFFSET DIRECTION  :
ACCESS LENGTH    : 0                    KILOMETRE-POST     : 0.0
SOURCE ACCESS    :

-----

CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER   :
LAND TENURE      :INUVIALUIT 7(1)(A)- INUVIK STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA : 84
STOCKPILE QUANTITY :                    EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                    -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 5          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :4.6-5.4-9.1 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM        :KAME;OUTWASH
AREA DRAINAGE          :MODERATE          TOPOGRAPHY      :FLAT TO ROLLING HILL
VEGETATION             :THIN TO NON-EXISTANT MOSS, SCATTERED DWARF SHRUBS
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL- sand, trace silt          OVERBURDEN THICKNESS :0.3-0.3-0.3
GRANULAR THICKNESS     :2.4-4.4-5.2          OVERBURDEN TYPE      :SILT- organics, peat, roots
DEVELOP. POTENTIAL     :SUITABLE          UNDERBURDEN TYPE     :MASSIVE ICE
DEVELOP. CONSTRAINTS   :STREAM SILTATION; MASSIVE ICE; REQUIRES CAREFUL PIT MANAGEMENT

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML/SW-SM/SP-GP
CLASSIFICATION #       : 17
PETRO NO.              : 1          MOISTURE(%):NUMBER : 17
SIEVE ANAL. #         : 9          MOISTURE(%):RESULTS :3-11-26
PETROGR. NO.:RESULTS  :242
OTHER TESTS            :

D-50                   :001000-003733-009000
OVERSIZE(%)           :
GRAVEL(%)              :2-39-75
SAND(%)                :24-57-95
FINES(%)               :1-4-11

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 380000          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                      TOTAL RECOVERABLE : 380000
CLASS 3 :/380000/760000        PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER : I72RKL-Z3	LOCAL NAMES : WOLVERINE LAKES	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) : 318		NTS MAP REFERENCE : 107B/14	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000	
SOURCE REFERENCE : RKL7323			
----- Location Details -----			
LOCATION : 61 KM N INUVIK		CENTRE ZONE(UTM) : 8	
CORRIDOR NAME : MACKENZIE ICE ROAD		CENTRE EASTING(UTM) : 534000	
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) : 7641000	
OFFSET DISTANCE :	CENTRE LATITUDE : 68.88333	OFFSET DIRECTION :	
ACCESS LENGTH : 0	CENTRE LONGITUDE : 134.11667	KILOMETRE-POST : 0.0	
SOURCE ACCESS : DIFFICULT GRADES			

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE : CROWN	STATUS : UNDEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE : 36000		
PAST USE :	AREA : 823		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0		
PERFORMANCE RATING :	-FOR PIPELINE : 0		
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE : 1972		
GEOPHYSICAL DATA :	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-3.4-8.8	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL	
SLOPE : GRADUAL		LANDFORM : OUTWASH; ALLUVIAL FAN	
AREA DRAINAGE : MODERATELY WELL		TOPOGRAPHY : HILLY, DEEP GULLY	
VEGETATION : THIN TO NON-EXISTENT MOSS, LICHENS, DWARF SHRUBS			
PERMAFROST FEATURES : ICE LENSING; MASSIVE ICE			
----- Source Stratigraphy -----			
GRANULAR TYPE : SAND & GRAVEL	OVERBURDEN THICKNESS : 0.2-0.3-0.3		
GRANULAR THICKNESS : 0.6-3.4-8.8	OVERBURDEN TYPE : SILT- organic		
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE : MASSIVE ICE		
DEVELOP. CONSTRAINTS : POOR QUALITY; ICE LENSING; SILTATION WATERWAYS; REQUIRES PIT MANAGEMENT			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS : OL-SP-SM/GW-GM/GW		D-50 : 003500-006900-014000	
CLASSIFICATION # : 8		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) : NUMBER : 8	GRAVEL(%) : 44-53-60	
SIEVE ANAL. # : 4	MOISTURE(%) : RESULTS : 3-9-25	SAND(%) : 31-42-50	
PETROGR. NO.:RESULTS :		FINES(%) : 2-5-9	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 1520000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 1520000	
CLASS 3 : /1520000/1520000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :WOLVERINE LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :319                  NTS MAP REFERENCE :107B/14
STUDY ORDER      :                      MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                      MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----
LOCATION           :64 KM N INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)  :536000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM) :7646000
OFFSET DISTANCE  :                        CENTRE LATITUDE :68.91667
ACCESS LENGTH    : 0                      CENTRE LONGITUDE :134.08333
SOURCE ACCESS    :                        OFFSET DIRECTION :
KILOMETRE-POST   : 0.0

-----
CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE      :CROWN                    STATUS :UNDEVELOPED
STOCKPILE TYPE   :                        SITE PLAN SCALE :36000
PAST USE         :                        AREA :2508
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 7          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :             TESTPITS:DEPTH :0.9-4.7-9.8 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL                          LANDFORM :KAME
AREA DRAINAGE          :MODERATE                          TOPOGRAPHY :IRREGULAR
VEGETATION             :THIN TO NONEXISTENT MOSS, LICHENS, DWARF SHRUBS;BARE PATCHES
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL- sand                      OVERBURDEN THICKNESS :0.1-0.2-0.3
GRANULAR THICKNESS     :0.9-3.6-9.8                      OVERBURDEN TYPE :SILT- organics, roots, peat
DEVELOP. POTENTIAL     :SUITABLE                          UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :MACKENZIE REINDERR GRAZING RESERVE; VARIABLE MATERIAL; FURTHER DELINEATION

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :OL-ML/SM-SP/GM-GW          D-50 :000130-002700-005300
CLASSIFICATION # : 26                          OVERSIZE(%) :
PETRO NO. : 1                                  MOISTURE(%) :NUMBER : 26          GRAVEL(%) :19-38-54
SIEVE ANAL. # : 13                            MOISTURE(%) :RESULTS :3-10-29   SAND(%) :33-44-55
PETROGR. NO.:RESULTS :186                     FINES(%) :1-18-43
OTHER TESTS :

----- Material Quantity -----
CLASS 1 : TOTAL VOLUME : 1140000          PROSPECTIVE VOLUME :
CLASS 2 :/380000/1140000                     PROVEN VOLUME :
CLASS 3 : PROBABLE VOLUME : TOTAL RECOVERABLE : 1140000
CLASS 4 : ANNUAL RECOVERABLE : 0
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :WOLVERINE LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :320                  NTS MAP REFERENCE :107B/14
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL73Z3             MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 1700000

----- Location Details -----

LOCATION           :71 KM N INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)  :534000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM) :7652000
OFFSET DISTANCE  :                        CENTRE LATITUDE :68.90000
ACCESS LENGTH    : 0                      CENTRE LONGITUDE :134.13333
SOURCE ACCESS    :                        OFFSET DIRECTION  :
KILOMETRE-POST   : 0.0

-----

CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE      :CROWN                    STATUS :UNDEVELOPED
STOCKPILE TYPE   :                        SITE PLAN SCALE :36000
PAST USE         :                        AREA : 731
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA :                        TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 5          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :0.8-5.6-9.1 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :              SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :
AREA DRAINAGE :MODERATE              LANDFORM :KAME
VEGETATION :TUNDRA;MOSS, LICHENS, DWARF SHRUBS          TOPOGRAPHY :IRREGULAR RIDGES & H
PERMAFROST FEATURES :MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- trace gravel,little silt          OVERBURDEN THICKNESS :0.2-0.3-0.5
GRANULAR THICKNESS :0.8-5.5-9.1          OVERBURDEN TYPE :SILT- organics, roots, peat
DEVELOP. POTENTIAL :POOR              UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :HIGH ICE & SILT CONTENT; MACKENZIE REINDEER GRAZING RESERVE; FURTHER DELIN.

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-ML/SM-SP/GM-GW-SW
CLASSIFICATION # : 21
PETRO NO. : 0          MOISTURE(%):NUMBER : 21          D-50 :000120-002680-005000
SIEVE ANAL. # : 10          MOISTURE(%):RESULTS :4-13-46          OVERSIZE(%) :
PETROGR. NO.:RESULTS :          SAND(%) :27-49-71
OTHER TESTS :          FINES(%) :2-19-39

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 1140000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 1140000
CLASS 3 :/380000/1140000          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :PARSON'S LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :321                  NTS MAP REFERENCE :107B/14
STUDY ORDER      :                      MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                      MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL73Z3

----- Location Details -----

LOCATION           :69 KM N INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)  :542000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7652000
OFFSET DISTANCE  :                      CENTRE LONGITUDE :133.93333
ACCESS LENGTH    : 0                     OFFSET DIRECTION     :
SOURCE ACCESS    :                      KILOMETRE-POST       : 0.0

-----

CONDITION        :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE      :CROWN                  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA : 188
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA  :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.1          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM :OUTWASH
AREA DRAINAGE          :MODERATE          TOPOGRAPHY :GULLIES
VEGETATION             :LOWER SLOPES MOSS, LICHENS, DWARF SHRUBS;RIDGE TOPS BARE
PERMAFROST FEATURES   :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- some gravel, trace silt          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.1          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :FAIR          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :MACKENZIE REINDEER GRAZING RESERVE; SILTATION; FURTHER DELINEATION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :SP
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1          D-50 :001800
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :4          OVERSIZE(%) :
PETROGR. NO.:RESULTS  :                      SAND(%) :78
OTHER TESTS           :                      FINES(%) :1

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 760000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 760000
CLASS 3 :/760000/760000          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :172RKL-23	LOCAL NAMES :CARIBOU HILLS	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :322		NTS MAP REFERENCE :107B/14	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	1700000
SOURCE REFERENCE :RKL7323			
----- Location Details -----			
LOCATION :55 KM NW INUVIK		CENTRE ZONE(UTM) :	8
CORRIDOR NAME: :MACKENZIE ICE ROAD		CENTRE EASTING(UTM) :	529500
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) :	7633000
OFFSET DISTANCE :	CENTRE LATITUDE :68.81667	OFFSET DIRECTION :	
ACCESS LENGTH : 0	CENTRE LONGITUDE :134.28333	KILOMETRE-POST :	0.0
SOURCE ACCESS :			

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE :INUVIALUIT 7(1)(A)- INUVIK	STATUS :UNDEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE :36000		
PAST USE :	AREA : 167		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING :	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE :1972		
GEOPHYSICAL DATA :	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 6	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-3.3-6.1	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL	
SLOPE :GRADUAL TO STEEP		LANDFORM :TERRACE	
AREA DRAINAGE :MODERATE		TOPOGRAPHY :TERRACES SEPARATED B	
VEGETATION :THIN TO NON-EXISTENT MOSS, LICHENS, DWARF SHRUB			
PERMAFROST FEATURES :ICE LENSES;MASSIVE ICE			
----- Source Stratigraphy -----			
GRANULAR TYPE :SAND- some gravel, some silt	OVERBURDEN THICKNESS :0.1-0.3-0.6		
GRANULAR THICKNESS :0.6-3.3-6.1	OVERBURDEN TYPE :SILT- organics, roots, peat		
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :MASSIVE ICE		
DEVELOP. CONSTRAINTS :PROPOSED CARIBOU HILLS RESERVE; MACKENZIE REINDEER GRAZING RESERVE			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :CL-OL-ML/SP-GP-SM/SW		D-50 :000009-003551-015000	
CLASSIFICATION # : 16		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER : 16	GRAVEL(%) :9-39-70	
SIEVE ANAL. # : 12	MOISTURE(%) :RESULTS :3-9-19	SAND(%) :20-42-66	
PETROGR. NO.:RESULTS :		FINES(%) :1-22-69	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 760000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 760000	
CLASS 3 :/760000/760000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z3	LOCAL NAMES :CARIBOU HILLS RESERVE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :323A		NTS MAP REFERENCE :107B/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE :RKL7323		

----- Location Details -----

LOCATION :55 KM NW INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :528000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7632000
OFFSET DISTANCE :	CENTRE LATITUDE :68.78333
ACCESS LENGTH : 0	CENTRE LONGITUDE :134.20000
SOURCE ACCESS :ALONG EAST CHANNEL OF MACKENZIE RIVER	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUUVIALUIT 7(1)(A)- INUVIK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 732
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 6	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-1.2-1.5	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :TERTIARY DELTAIC DEP
AREA DRAINAGE :WELL		TOPOGRAPHY :SERIES OF GULLIES CU
VEGETATION :SLOPES PARTLY BARE, PARTLY MOSS, DWARF SHRUBS;STUNTED SPRUCE IN GULLIES		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :GRAVEL & SAND- trace silt	OVERBURDEN THICKNESS :0.1-0.1-0.2
GRANULAR THICKNESS :0.6-1.2-1.5	OVERBURDEN TYPE :SILT- little sand
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :PROPOSED CARIBOU HILLS RESERVE; SILTATION; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-SP/GW-SM/SW-GW-GM	D-50 :000300-003300-005000
CLASSIFICATION # : 6	OVERSIZE(%) :
PETRO NO. : 2	GRAVEL(%) :1-35-58
SIEVE ANAL. # : 6	SAND(%) :39-57-90
PETROGR. NO.:RESULTS :24-282-325	FINES(%) :3-8-16
OTHER TESTS :	
	MOISTURE(%)NUMBER : 6
	MOISTURE(%)RESULTS :1-4-7

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 11400000	PROSPECTIVE VOLUME :
CLASS 2 :/11400000/11400000	PROVEN VOLUME :	TOTAL RECOVERABLE : 11400000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :172RKL-Z3	LOCAL NAMES :CARIBOU HILLS	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :324A		NTS MAP REFERENCE :107B/14	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	1700000
SOURCE REFERENCE :RKL7323			
----- Location Details -----			
LOCATION :61 KM NW INUVIK		CENTRE ZONE(UTM) :	8
CORRIDOR NAME: :MACKENZIE ICE ROAD		CENTRE EASTING(UTM) :	525000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) :	7634000
OFFSET DISTANCE :		OFFSET DIRECTION :	
ACCESS LENGTH : 0	CENTRE LATITUDE :68.81667	KILOMETRE-POST :	0.0
SOURCE ACCESS :	CENTRE LONGITUDE :134.35000		

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE :INUVALUIT 7(1)(A)- INUVIK	STATUS :UNDEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE :36000		
PAST USE :	AREA : 502		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING :	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE :1972		
GEOPHYSICAL DATA :	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 6	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-1.2-1.5	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL	
SLOPE :GRADUAL TO STEEP		LANDFORM :TERTIARY DELTAIC DEP	
AREA DRAINAGE :WELL		TOPOGRAPHY :SERIES OF GULLIES CU	
VEGETATION :SLOPES PARTLY BARE, PARTLY MOSS, DWARF SHRUB;STUNTED SPRUCE IN GULLIES			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :GRAVEL & SAND- trace silt	OVERBURDEN THICKNESS :0.1-0.1-0.2		
GRANULAR THICKNESS :0.6-1.2-1.5	OVERBURDEN TYPE :SILT- little sand		
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :PROPOSED CARIBOU HILLS RESERVE			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # : 0		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER : 0	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 7600000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	7600000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	0
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z3	LOCAL NAMES : ESKIMO LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 325		NTS MAP REFERENCE : 107B/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7323		

----- Location Details -----

LOCATION : 48 KM N INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 562000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7629000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	
	CENTRE LATITUDE : 68.78333
	CENTRE LONGITUDE : 133.41667

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(B)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 523
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 4	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 4.6-5.7-9.1	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL TO STEEP		LANDFORM : TERRACE
AREA DRAINAGE : MODERATE		TOPOGRAPHY : IRREGULAR, CUT BY GU
VEGETATION : MOSS, GRASS, DWARF SHRUBS; SPRUCE TO 12 M IN GULLIES		
PERMAFROST FEATURES : POLYGONAL ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- sand, trace silt	OVERBURDEN THICKNESS : 0.2-0.3-0.3
GRANULAR THICKNESS : 1.2-3.2-4.9	OVERBURDEN TYPE : SILT- organics, roots, peat
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : ERRATIC DEPOSIT; CRITICAL WILDLIFE AREA; RECREATIONAL AREA; SILTATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL-ML/GW/SW		D-50 : 000750-003813-005500
CLASSIFICATION # : 11		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 11	GRAVEL(%) : 9-42-59
SIEVE ANAL. # : 4	MOISTURE(%) : RESULTS : 5-8-26	SAND(%) : 37-54-86
PETROGR. NO. : RESULTS :		FINES(%) : 3-4-5
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 760000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 760000
CLASS 3 : /380000/760000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z3	LOCAL NAMES :DEVILS LAKE CARIBOU HILLS	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :326		NTS MAP REFERENCE :107B/14
STUDY ORDER :176EBA-MS		MAP DIGITIZER NUMBER :
STUDY REFERENCE :176EBA-MS		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE :RKL7323		

----- Location Details -----

LOCATION :27 KM NW REINDEER STATION	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :522000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7642500
OFFSET DISTANCE :1600	OFFSET DIRECTION :R
ACCESS LENGTH : 1600	KILOMETRE-POST : 70.8
SOURCE ACCESS :OVERLAND	

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVALUIT 7(1)(A)- INUVIK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 627
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER :11	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-5.2-11.	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :DELTA PLAIN
AREA DRAINAGE :MODERATE		TOPOGRAPHY :ELEVATED PLAIN REMNA
VEGETATION :THIN TO NON-EXISTENT MOSS, LICHENS, DWARF SHRUBS		
PERMAFROST FEATURES :POLYGONAL ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- gravel, trace silt	OVERBURDEN THICKNESS :0.1-0.1-0.3
GRANULAR THICKNESS :0.6-4.1-8.5	OVERBURDEN TYPE :SILT- organic, peat, roots
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :CRITICAL WILDLIFE REGION; SILTATION; PROTECT PERMAFROST	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL/SP-SM-SW/GW		D-50 :000150-001391-005000
CLASSIFICATION # : 43		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER : 43	GRAVEL(%) :8-26-52
SIEVE ANAL. # : 22	MOISTURE(%) :RESULTS :2-12-27	SAND(%) :39-69-90
PETROGR. NO.:RESULTS :232		FINES(%) :1-4-11
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 15200000	PROSPECTIVE VOLUME :
CLASS 2 :/15200000/15200000	PROVEN VOLUME :	TOTAL RECOVERABLE : 15200000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I76EBA-MS	LOCAL NAMES : DEVIL'S LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 326		NTS MAP REFERENCE : 107B/14
STUDY ORDER : I72RKL-Z3		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I72RKL-Z3		MAP LOC./PLAN SCALE : 1000000
SOURCE REFERENCE : EBA76MD		

----- Location Details -----

LOCATION : 10 KM S TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 522000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7642000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : STEEP APPROACHES	

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- INUVIK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 40000
PAST USE :	AREA : 2000
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; DELINEATION; PRODUCTION	LAST INVESTIGATION DATE : 1976
GEOPHYSICAL DATA : UNKNOWN	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 98	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 3.7-9.7-15.8	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.3-0.5-0.6	SITE DESCRIPTION DATE : 01/22/76	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL TO STEEP		LANDFORM : OUTWASH PLAIN
AREA DRAINAGE : MODERATELY WELL		TOPOGRAPHY : HIGH, ROLLING PLATEAU
VEGETATION : TUNDRA- WILLOW, FLOWERING PLANTS, GRASS; SCATTERED SPRUCE ON S SLOPES		
PERMAFROST FEATURES : MASSIVE ICE; ICE WEDGE POLYGONS		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- gravel	OVERBURDEN THICKNESS : 0.1-0.2-0.3
GRANULAR THICKNESS :	OVERBURDEN TYPE : PEAT- soil, sand, silt, clay
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE : MASSIVE GROUND ICE, TILL
DEVELOP. CONSTRAINTS : SUMMER USE ENVIRONMENTAL PROBLEMS & ACCESS COSTS; SILTATION WATERWAYS	

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

----- Test Results -----

UNIFIED SOIL:CLASS : ML-SM/SW-GW/SP-SW		D-50 : 000170-001000-020000
CLASSIFICATION # : 212		OVERSIZE(%) :
PETRO NO. : 4	MOISTURE(%) : NUMBER : 212	GRAVEL(%) : 11-25-40
SIEVE ANAL. # : 102	MOISTURE(%) : RESULTS : 4-18-234	SAND(%) : 59-71-86
PETROGR. NO.:RESULTS : 144-164-194		FINES(%) : 0-4-17
OTHER TESTS : LA ABRASION-3-17.4; ORGAN PLATE-7-4.0; [COARSE(FINE)]SULPH SD -1-4.2(-2-1.6); SPEC G BSSD-5-2.6(-6-2.7); ABSORPTION-5-1.5(-6-1.5); MINDD-4-742.8; MAXDD-4-886.2		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 10723600	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 10723600
CLASS 3 : 10723600/10723600/	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z3	LOCAL NAMES : ESKIMO LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 327		NTS MAP REFERENCE : 107B/14
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7323		

----- Location Details -----

LOCATION : 51 KM N INUVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 559500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7635000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	
CENTRE LATITUDE : 68.81667	
CENTRE LONGITUDE : 133.45000	

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(B)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 418
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 4	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 4.3-5.5-9.1	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.8-1.8-2.7	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : COMPLEX
AREA DRAINAGE : MODERATE		TOPOGRAPHY : IRREGULAR HILLOCKS A
VEGETATION : MOSS, LICHENS, DWARF SHRUBS		
PERMAFROST FEATURES : POLYGONAL ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- some sand, trace silt	OVERBURDEN THICKNESS : 0.1-0.3-0.8
GRANULAR THICKNESS : 4.2-4.3-9.14	OVERBURDEN TYPE : SILT- organics, roots, peat
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : CRITICAL WILDLIFE AREA; RECREATIONAL AREA; ERRATIC SOURCE; ENVIRONMENT STUDY	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL-ML/GP/GM-GW		D-50 : 000070-006270-012000
CLASSIFICATION # : 10		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 10	GRAVEL(%) : 27-45-60
SIEVE ANAL. # : 4	MOISTURE(%) : RESULTS : 4-7-19	SAND(%) : 20-38-64
PETROGR. NO. : RESULTS :		FINES(%) : 1-17-53
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 76000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 76000
CLASS 3 : /76000/76000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :328A                NTS MAP REFERENCE :107B/10
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----

LOCATION           :45 KM NE INUVIK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD       CENTRE EASTING(UTM)  :570500
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM) :7620500
OFFSET DISTANCE  :                        CENTRE LATITUDE :68.71667
ACCESS LENGTH    : 0                      CENTRE LONGITUDE :133.16667
SOURCE ACCESS    :                        OFFSET DIRECTION  :
                                           KILOMETRE-POST      : 0.0

-----

CONDITION         :WINTER ICE ROAD;BARGE IN SUMMER    DIGITIZER NUMBER :
LAND TENURE       :CROWN & INUVIALUIT 7(1)(B)-TUK    STATUS :UNDEVELOPED
STOCKPILE TYPE    :                                  SITE PLAN SCALE :36000
PAST USE          :                                  AREA :1463
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                                -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA  :                                TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 5          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :4.3-4.4-4.6 TESTPITS:DEPTH :            EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.3-0.3    SITE DESCRIPTION DATE : / /    GENERIC ORIGIN :GLACIOFLUVIAL;MORAIN
SLOPE                  :GENTLE          LANDFORM :
AREA DRAINAGE          :MODERATE        TOPOGRAPHY :IRREGULAR WITH LAKES
VEGETATION             :MOSS, LICHENS, SCATTERED DWARF SHRUBS
PERMAFROST FEATURES    :POLYGONAL ICE WEDGES;MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SILT- trace sand, trace clay    OVERBURDEN THICKNESS :0.3-0.3-0.3
GRANULAR THICKNESS     :0.3-2.0-4.6                    OVERBURDEN TYPE      :SILT- organics, roots, peat
DEVELOP. POTENTIAL     :UNSUITABLE                    UNDERBURDEN TYPE    :MASSIVE ICE
DEVELOP. CONSTRAINTS   :HIGH ICE & SILT CONTENT; CRITICAL WILDLIFE AREA; RECREATIONAL AREA

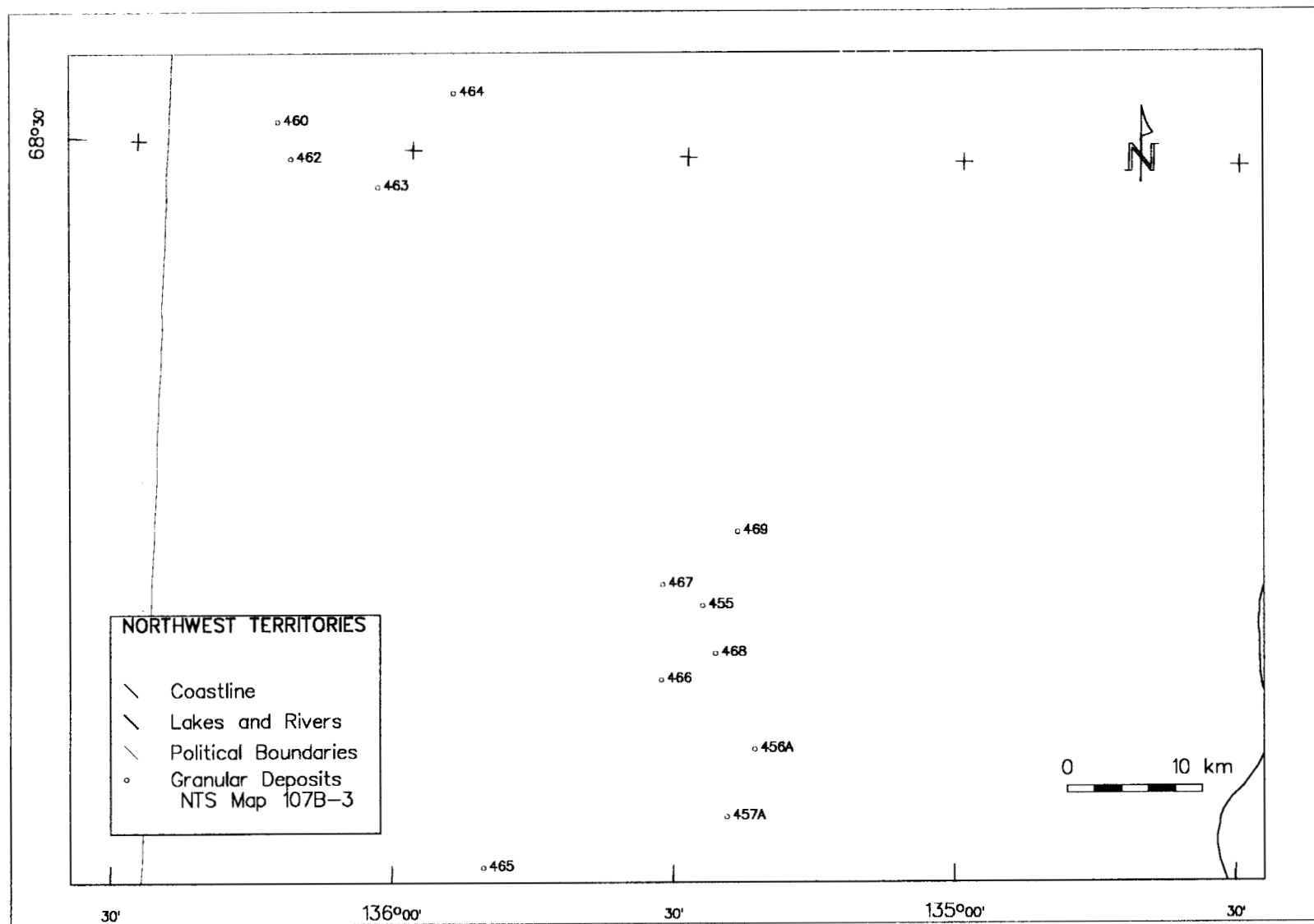
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-CL/ML/
CLASSIFICATION #       : 3
PETRO NO.              : 0          MOISTURE(%):NUMBER : 3          D-50 :005000
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :21-27-37    OVERSIZE(%) :
PETROGR. NO.:RESULTS  :                                GRAVEL(%) :56
OTHER TESTS           :                                SAND(%) :32
                                           FINES(%) :12

----- Material Quantity -----

CLASS 1 :                                TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 :                                PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 :                                PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
455	/ /	107B/4	481000	7565500	GRAVEL- some sand, trace silt	GLACIOFLUVIAL
456A	/ /	107B/4	485000	7555000	SILT- some sand, trace gravel	GLACIOFLUVIAL
457A	/ /	107B/4	483000	7550000	SILT- trace gravel, trace sand	GLACIOFLUVIAL
464	/ /	107B/12	462000	7603000	QUARTZ, SANDSTONE, ROCK RUBBLE	GLACIOFLUVIAL
465	/ /	107B/4W	465000	7546000	QUARTZ, SANDSTONE, ROCK RUBBLE	GLACIOFLUVIAL
466	10/11/76	107B/4W	478000	7560000	GRAVEL- some sand	GLACIOFLUVIAL
467	10/10/76	107B/4E	478000	7567000	GRAVEL- some sand	GLACIOFLUVIAL
468	/ /	107B/4E	482000	7562000	QUARTZ, SANDSTONE, ROCK RUBBLE	GLACIOFLUVIAL
469	/ /	107B/4E	483500	7571000	QUARTZ, SANDSTONE, ROCK RUBBLE	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z4	LOCAL NAMES : WILLOW RIVER	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 455		NTS MAP REFERENCE : 107B/4
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE : RKL7324		

----- Location Details -----

LOCATION : 21 KM W AKLAVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : WINTER ICE ROAD	CENTRE EASTING(UTM) : 481000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7565500
OFFSET DISTANCE : 0	CENTRE LATITUDE : 68.20000
ACCESS LENGTH : 0	CENTRE LONGITUDE : 135.45000
SOURCE ACCESS : ALONG CHANNELS OF DELTA & WILLOW RIVER	OFFSET DIRECTION :
	KILOMETRE-POST : 24.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 50
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING	LAST INVESTIGATION DATE : 1972
REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-0.6-0.6	EXPOSURES:DEPTH : 1.2	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : FLAT TO STEEP		LANDFORM : FLOODPLAIN
AREA DRAINAGE : WELL		TOPOGRAPHY : INACTIVE FLOODPLAIN
VEGETATION : WHITE SPRUCE WITH SOME ASPEN; SOME TRANSITIONAL BLACK SPUCE TO SPHAGNUM BOG		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- some sand, trace silt	OVERBURDEN THICKNESS : 0.3-0.5-0.6
GRANULAR THICKNESS : 0.6-0.8-1.2	OVERBURDEN TYPE : PEAT- some silt, trace sand
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : IMPORTANT BIG-GAME AREA; PIT MANAGEMENT & RESTORATION NECESSARY	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt-OL/GP-GM/GP-GM	D-50 : 011000-018500-026000
CLASSIFICATION # : 2	OVERSIZE(%) :
PETRO NO. : 1	GRAVEL(%) : 75-80-84
SIEVE ANAL. # : 0	SAND(%) : 12-9-15
PETROGR. NO.:RESULTS : 138	FINES(%) : 4-7-10
OTHER TESTS :	
	MOISTURE(%) : NUMBER : 2
	MOISTURE(%) : RESULTS : 3-4-4

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 380000	PROSPECTIVE VOLUME :
CLASS 2 : /380000/380000	PROVEN VOLUME :	TOTAL RECOVERABLE : 380000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-Z4          LOCAL NAMES :WEST CHANNEL          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :456A                NTS MAP REFERENCE :107B/4
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL7324             MAP DIGITIZER NUMBER :
                                           MAP LOC./PLAN SCALE : 1700000

----- Location Details -----

LOCATION           :21 KM SW AKLAVIK      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD TO AKLAVIK CENTRE EASTING(UTM) :485000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM):7555000
OFFSET DISTANCE  :0                     CENTRE LATITUDE :68.11667
ACCESS LENGTH    : 0                     CENTRE LONGITUDE :135.20000
SOURCE ACCESS    :ALONG CHANNEL          KILOMETRE-POST       : 24.0

-----

CONDITION        :WINTER ICE ROAD;SCOW IN SUMMER DIGITIZER NUMBER :
LAND TENURE      :CROWN                  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA :1003
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.6          EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP                  LANDFORM :ALLUVIAL FANS
AREA DRAINAGE          :MODERATE                          TOPOGRAPHY :RISING, HUMMOCKY
VEGETATION             :SCATTERED DWARF SPRUCE, SOME SHRUBS AND DENSE MOSS
PERMAFROST FEATURES   :

----- Source Stratigraphy -----

GRANULAR TYPE          :SILT- some sand, trace gravel      OVERBURDEN THICKNESS :0.2
GRANULAR THICKNESS     :0.6                                OVERBURDEN TYPE :PEAT- moss, roots
DEVELOP. POTENTIAL     :UNSUITABLE                         UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :IMPORTANT BIG-GAME & FISHERIES AREA; POOR QUALITY; HIGH ICE; PERMAFROST

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

----- Test Results -----

UNIFIED SOIL:CLASS :
CLASSIFICATION #    : 0          D-50 :
PETRO NO.           : 0          OVERSIZE(%) :
SIEVE ANAL. #       : 0          GRAVEL(%) :
PETROGR. NO.:RESULTS :          SAND(%) :
OTHER TESTS         :          FINES(%) :

----- Material Quantity -----

CLASS 1 : TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 : PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 : PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-Z4          LOCAL NAMES :WEST CHANNEL      NEW SOURCE NUMBER  :
SOURCE NUMBER(S)  :457A                NTS MAP REFERENCE :107B/4
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL73Z4

----- Location Details -----
LOCATION            :24 KM SW AKLAVIK    CENTRE ZONE(UTM)    : 8
CORRIDOR NAME     :WEST CHANNEL OF MACKENZIE ICE ROAD CENTRE EASTING(UTM) :483000
CORRIDOR NUMBER   :                     CENTRE NORTHING(UTM) :7550000
OFFSET DISTANCE   :0                   CENTRE LATITUDE :68.06667
ACCESS LENGTH     : 0                   CENTRE LONGITUDE :135.33333
SOURCE ACCESS     :                     OFFSET DIRECTION  :
                                           KILOMETRE-POST    : 34.0

-----
CONDITION         :WINTER ICE ROAD;SCOW IN SUMMER DIGITIZER NUMBER :
LAND TENURE       :CROWN                STATUS :UNDEVELOPED
STOCKPILE TYPE    :                     SITE PLAN SCALE :36000
PAST USE          :                     AREA : 836
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
REPORTS
GEOPHYSICAL DATA   :                     TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0 TESTPITS:NUMBER : 2 EXPOSURES:NUMBER : 0 DATA QUALITY :
BOREHOLES:DEPTH : TESTPITS:DEPTH :0.6-1.2-1.8 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /
SLOPE                  :GRADUAL TO STEEP
AREA DRAINAGE          :MODERATELY WELL
VEGETATION             :SCATTERED DWARF SPRUCE, SOME SHRUBS, DENSE MOSS
PERMAFROST FEATURES    :
GENERIC ORIGIN :GLACIOFLUVIAL
LANDFORM       :ALLUVIAL FANS
TOPOGRAPHY     :SLOPING, HUMMOCKY

----- Source Stratigraphy -----
GRANULAR TYPE :SILT- trace gravel, trace sand OVERBURDEN THICKNESS :0.6-1.1-1.5
GRANULAR THICKNESS :0.3 OVERBURDEN TYPE :PEAT & SILT
DEVELOP. POTENTIAL :UNSUITABLE UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT BIG-GAME AREA; POOR QUALITY HIGHLY VARIABLE; HIGH ICE CONTENT

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :
CLASSIFICATION # : 0
PETRO NO. : 0 MOISTURE(%):NUMBER : 0 D-50 :
SIEVE ANAL. # : 0 MOISTURE(%):RESULTS : OVERSIZE(%) :
PETROGR. NO.:RESULTS : SAND(%) :
OTHER TESTS : FINES(%) :

----- Material Quantity -----
CLASS 1 : TOTAL VOLUME : 0 PROSPECTIVE VOLUME :
CLASS 2 : PROVEN VOLUME : TOTAL RECOVERABLE : 0
CLASS 3 : PROBABLE VOLUME : ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:176H-GYMS	LOCAL NAMES	:LOWER SANDSTONE DIVISION	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:464			NTS MAP REFERENCE	:107B/12
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:RMH76Y				

----- Location Details -----

LOCATION	:6.5 KM W WEST CHANNEL	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:MACKENZIE ICE ROAD	CENTRE EASTING(UTM)	:462000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7603000
OFFSET DISTANCE	:	CENTRE LATITUDE	:68.53333
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:135.90000
SOURCE ACCESS	:ALONG CHANNELS OF MACKENZIE DELTA	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	:WINTER ICE ROAD	DIGITIZER NUMBER	:
LAND TENURE	:INUVIALUIT 7(1)(A)- AKLAVIK	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:57600
PAST USE	:	AREA	: 214
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:AIRPHOTO; RECONN; TESTPITS	LAST INVESTIGATION DATE	:1976
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 1	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:9.1		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:MODERATE TO STEEP			LANDFORM	:BEDROCK
AREA DRAINAGE	:WELL			TOPOGRAPHY	:IRREGULAR KNOBS & CL
VEGETATION	:BARE;PATCHES OF MOSS, SEDGE				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	:QUARTZ, SANDSTONE, ROCK RUBBLE	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	:9.1	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:FAIR	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:DIFFICULT ACCESS; REQUIRES BLASTING & QUARRYING; ENVIRONMENTAL HABITAT		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:			D-50	:
CLASSIFICATION #	: 0			OVERSIZE(%)	:
PETRO NO.	: 1	MOISTURE(%) :NUMBER	: 0	GRAVEL(%)	:
SIEVE ANAL. #	: 0	MOISTURE(%) :RESULTS	:	SAND(%)	:
PETROGR. NO.:RESULTS	:102			FINES(%)	:
OTHER TESTS	:POROSITY%-01-34				

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 5852000	PROSPECTIVE VOLUME	:
CLASS 2	:/5852000/5852000	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 5852000
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I76H-GYMS          LOCAL NAMES :JURASSIC BUTTE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :465                NTS MAP REFERENCE :107B/4W
STUDY ORDER       :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :RMH76Y

----- Location Details -----
LOCATION            :14.5 KM W JURASSIC BUTTE          CENTRE ZONE(UTM)   : 8
CORRIDOR NAME     :MACKENZIE ICE ROAD                CENTRE EASTING(UTM):465000
CORRIDOR NUMBER   :                                CENTRE NORTHING(UTM):7546000
OFFSET DISTANCE   :                                CENTRE LATITUDE :68.03333
ACCESS LENGTH     : 0                             CENTRE LONGITUDE :135.83333
SOURCE ACCESS     :WINTER- MODERATE SLOPES DOWN CANYON THEN UP WALLS
                                           OFFSET DIRECTION  :
                                           KILOMETRE-POST    : 0.0

-----
CONDITION          :WINTER ICE ROAD;STREAM COURSE SUMMER  DIGITIZER NUMBER :
LAND TENURE        :CROWN                                STATUS :UNDEVELOPED
STOCKPILE TYPE     :                                SITE PLAN SCALE :56400
PAST USE           :                                AREA : 161
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                                -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS          LAST INVESTIGATION DATE :1976
GEOPHYSICAL DATA   :                                TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :           EXPOSURES:DEPTH  :9.0

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP                LANDFORM       :TERRACES
AREA DRAINAGE          :POOR                            TOPOGRAPHY     :BROAD HILL WITH TERR
VEGETATION             :LICHENS AND PATCHES OF TUNDRA, BARREN PATCHES
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :QUARTZ, SANDSTONE, ROCK RUBBLE          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :9.0                                     OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :FAIR                                   UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS   :BLASTING & QUARRYING; ENVIRONMENTAL HABITAT; NEEDS FURTHER INVESTIGATION

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :
CLASSIFICATION #       : 0
PETRO NO.              : 1          MOISTURE(%):NUMBER : 0          D-50 :
SIEVE ANAL. #         : 0          MOISTURE(%):RESULTS :          OVERSIZE(%) :
PETROGR. NO.:RESULTS  :110          GRAVEL(%) :
OTHER TESTS           :POROSITY%-01-19.5          SAND(%) :
                                           FINES(%) :

----- Material Quantity -----
CLASS 1 :/76000000/76000000          TOTAL VOLUME : 76000000          PROSPECTIVE VOLUME :
CLASS 2 :                              PROVEN VOLUME :          TOTAL RECOVERABLE : 76000000
CLASS 3 :                              PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :176H-GYMS	LOCAL NAMES :WILLOW RIVER	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :466		NTS MAP REFERENCE :107B/4W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :RMH76Y		

----- Location Details -----

LOCATION :21 KM W OF AKLAVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :478000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7560000
OFFSET DISTANCE :	CENTRE LATITUDE :68.16667
ACCESS LENGTH : 0	CENTRE LONGITUDE :135.53333
SOURCE ACCESS :THROUGH CANYON AND ALONG STREAM	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :57600
PAST USE :	AREA : 187
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS	LAST INVESTIGATION DATE :1976
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :1.2-1.5-1.8	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :10/11/76	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GENTLE TO NONE		LANDFORM :ACTIVE FLOODPLAIN
AREA DRAINAGE :WELL		TOPOGRAPHY :LARGE BARS ON FLOODP
VEGETATION :SPARSE PATCHES AND THICKETS OF WILLOW & ALDER;DRIFTWOOD		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :GRAVEL- some sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :--4.6	OVERBURDEN TYPE :NONE
DEVELOP. POTENTIAL :FAIR	UNDERBURDEN TYPE :GROUNDWATER
DEVELOP. CONSTRAINTS :PERIODS OF LOW WATER; NARROW DEPOSIT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :GM/GP-GW/G		D-50 :016000-018000-020000
CLASSIFICATION # : 2		OVERSIZE(%) :21-27-33
PETRO NO. : 0	MOISTURE(%) :NUMBER : 0	GRAVEL(%) :74-77-81
SIEVE ANAL. # : 2	MOISTURE(%) :RESULTS :	SAND(%) :17-19-22
PETROGR. NO.:RESULTS :		FINES(%) :3-4-4
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 5548000	PROSPECTIVE VOLUME :
CLASS 2 :/5548000/5548000	PROVEN VOLUME :	TOTAL RECOVERABLE : 760000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 22800
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER	:176H-GYMS	LOCAL NAMES	:WILLOW RIVER CANYON
SOURCE NUMBER(S)	:467	NEW SOURCE NUMBER	:
STUDY ORDER	:	NTS MAP REFERENCE	:107B/4E
STUDY REFERENCE	:	MAP DIGITIZER NUMBER	:
SOURCE REFERENCE	:RMH76Y	MAP LOC./PLAN SCALE	: 250000
----- Location Details -----			
LOCATION	:19.3 KM W OF AKLAVIK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:	CENTRE EASTING(UTM)	:478000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7567000
OFFSET DISTANCE	:	CENTRE LATITUDE	:68.21667
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:135.46667
SOURCE ACCESS	:ALONG GENTLES SLOPES AND WATER CHANNELS ACROSS DELTA		OFFSET DIRECTION
			: 0.0

CONDITION	:WINTER ICE ROAD;STREAM COURSE SUMMER	DIGITIZER NUMBER	:
LAND TENURE	:CROWN	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:63600
PAST USE	:	AREA	: 313
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL	:AIRPHOTO; RECONN; TESTPITS	LAST INVESTIGATION DATE	:1976
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:
----- Subsurface Data -----			
BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 4
BOREHOLES:DEPTH	:	EXPOSURES:NUMBER	: 1
		EXPOSURES:DEPTH	:4.9-15.4-25.9
----- Source Description -----			
ACTIVE LAYER THICKNESS	:0.8-1.3-1.8	SITE DESCRIPTION DATE	:10/10/76
SLOPE	:GRADUAL TO STEEP	GENERIC ORIGIN	:GLACIOFLUVIAL
AREA DRAINAGE	:S- WELL;N- POOR TO MODERATE	LANDFORM	:KAME DELTAS
VEGETATION	:LICHENS AND SHRUBS;SOME SPRUCE ON ESCARPMENT EDGES	TOPOGRAPHY	:BENCH WITH ADJOINING
PERMAFROST FEATURES	:		
----- Source Stratigraphy -----			
GRANULAR TYPE	:GRAVEL- some sand	OVERBURDEN THICKNESS	:0-0.3-0.6
GRANULAR THICKNESS	:9.1-17.5-25.9	OVERBURDEN TYPE	:ORGANIC CLAY OR SILT
DEVELOP. POTENTIAL	:GOOD	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:DRAINAGE; NEED PIT DEVELOPMENT; EXCAVATE ALONG ESCARPMENT; WILDLIFE HABITAT		
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS	:Pt-CL-ML/GW/GW	D-50	:015000-016500-018000
CLASSIFICATION #	: 4	OVERSIZE(%)	:3-7-10
PETRO NO.	: 1	GRAVEL(%)	:72-72-72
SIEVE ANAL. #	: 2	SAND(%)	:24-25-25
PETROGR. NO.:RESULTS	:137.1	FINES(%)	:3-3-4
OTHER TESTS	:ORGAN PLATE-01-5; COAL CONT-01-0.21; [COARSE(FINE)]		
	:ABSORPTION%-01-2.11(-0.7-2.54); SULPH_SD-01-4.37(-01-14.39);		
	:SPEC_G-01-25.8(-01-2.59)		
----- Material Quantity -----			
CLASS 1 :		TOTAL VOLUME	: 15200000
CLASS 2 :	:15200000/15200000	PROVEN VOLUME	:
CLASS 3 :		PROSPECTIVE VOLUME	:
CLASS 4 :		TOTAL RECOVERABLE	: 15200000
CLASS 5 :		ANNUAL RECOVERABLE	: 9120

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I76H-GYMS
SOURCE NUMBER(S) : 468
STUDY ORDER :
STUDY REFERENCE :
SOURCE REFERENCE : RMH76Y

LOCAL NAMES :MOUNT GILFORD

```
NEW SOURCE NUMBER      :  
NTS MAP REFERENCE     :107B/4E  
MAP DIGITIZER NUMBER  :  
MAP LOC./PLAN SCALE   : 250000
```

----- Location Details -----

```
LOCATION          :20.1 KM W OF AKLAVIK
CORRIDOR NAME:   :
CORRIDOR NUMBER :
OFFSET DISTANCE :
ACCESS LENGTH    :      0
SOURCE ACCESS    :ACROSS DELTA, STEEP S
```

CENTRE LATITUDE :68.16667
CENTRE LONGITUDE :135.43333

CENTRE_ZONE(UTM) : 8
CENTRE_EASTING(UTM) : 482000
CENTRE_NORTHING(UTM) : 7562000
OFFSET_DIRECTION :
KILOMETRE-POST : 0.0

CONDITION :WINTER ICE ROAD
LAND TENURE :CROWN
STOCKPILE TYPE :
PAST USE :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

```

DIGITIZER NUMBER :
STATUS :UNDEVELOPED
SITE PLAN SCALE :57600
AREA : 428
LUME-FOR HIGHWAY : 0
-FOR PIPELINE : 0
FOR FUTURE STUDY :

```

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS
GEOPHYSICAL DATA :

LAST INVESTIGATION DATE : 1976
TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0
BOREHOLES:DEPTH :

TESTPITS:NUMBER : 0
TESTPITS:DEPTH :

EXPOSURES:NUMBER : 1
EXPOSURES:DEPTH :6.1

DATA QUALITY :

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION :
SLOPE :	GRADUAL TO STEEP
AREA DRAINAGE :	WELL
VEGETATION :	GENERALLY BARREN, PATCHES OF TUNDRA
PERMAFROST FEATURES :	

GENERIC ORIGIN :GLACIOFLUVIAL
LANDFORM :ESCARPMENT, BEDROCK
TOPOGRAPHY :ESCARPMENT WITH RIDG

----- Source Stratigraphy -----

```

GRANULAR TYPE      :QUARTZ, SANDSTONE, ROCK RUBBLE
GRANULAR THICKNESS :6.1
DEVELOP. POTENTIAL :FAIR
DEVELOP. CONTRASTS :DIFFICULT ACCESS; REQUIRES BLA

```

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :
CARRYING: NEEDS FURTHER TESTING

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

----- Test Results -----

```
UNIFIED SOIL:CLASS      :
CLASSIFICATION #        : 0
PETRO NO.               : 1
SIEVE ANAL. #          : 0
PETROGR. NO.:RESULTS    :102
OTHER TESTS              :POROSITY%-01-22-5
```

MOISTURE(%):NUMBER : 0
MOISTURE(%):RESULTS :

D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----

```
CLASS 1 :  
CLASS 2 :/3800000/3800000  
CLASS 3 :  
CLASS 4 :  
CLASS 5 :
```

TOTAL VOLUME : 3800000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 3800000
ANNUAL RECOVERABLE : 0

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I76H-GYMS	LOCAL NAMES : WILLOW RIVER	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 469		NTS MAP REFERENCE : 107B/4E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RMH76Y		

----- Location Details -----

LOCATION : 16 KM W OF AKLAVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 483500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7571000
OFFSET DISTANCE :	CENTRE LATITUDE : 68.23333
ACCESS LENGTH : 0	CENTRE LONGITUDE : 135.31667
SOURCE ACCESS : ACROSS LAKES & CHANNELS OF THE DELTA	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 99600
PAST USE :	AREA : 96
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; TESTPITS	LAST INVESTIGATION DATE : 1976
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH : 9.1	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : SMALL CUESTA
AREA DRAINAGE : WELL		TOPOGRAPHY : CUESTA- ESCARPMENT W
VEGETATION : CLIFFS BARREN; BIRCH AND OCCASSIONAL WILLOW		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : QUARTZ, SANDSTONE, ROCK RUBBLE	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 9.1	OVERBURDEN TYPE :
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : REQUIRES BLASTING & QUARRYING; NEEDS FURTHER TESTING	

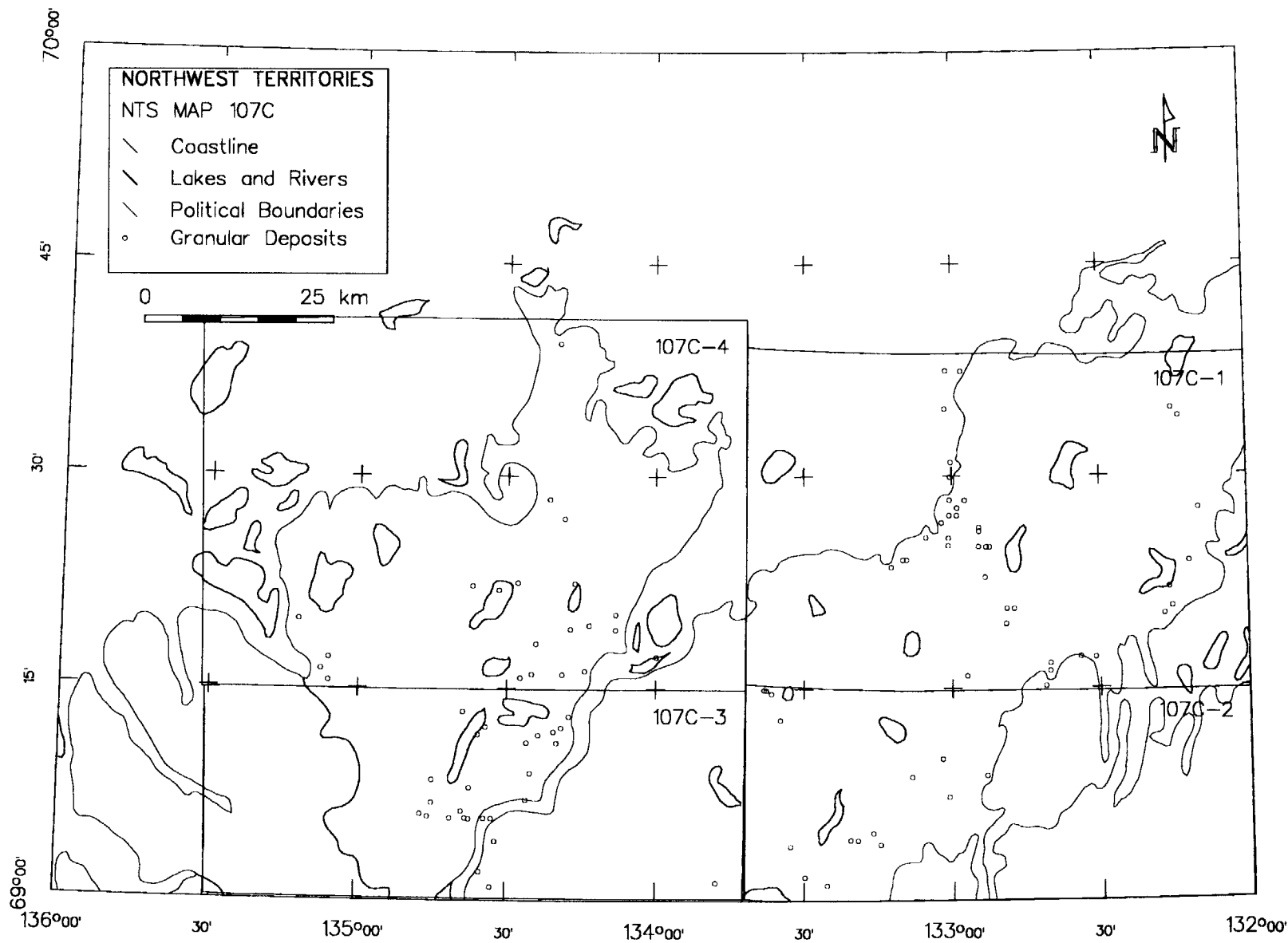
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

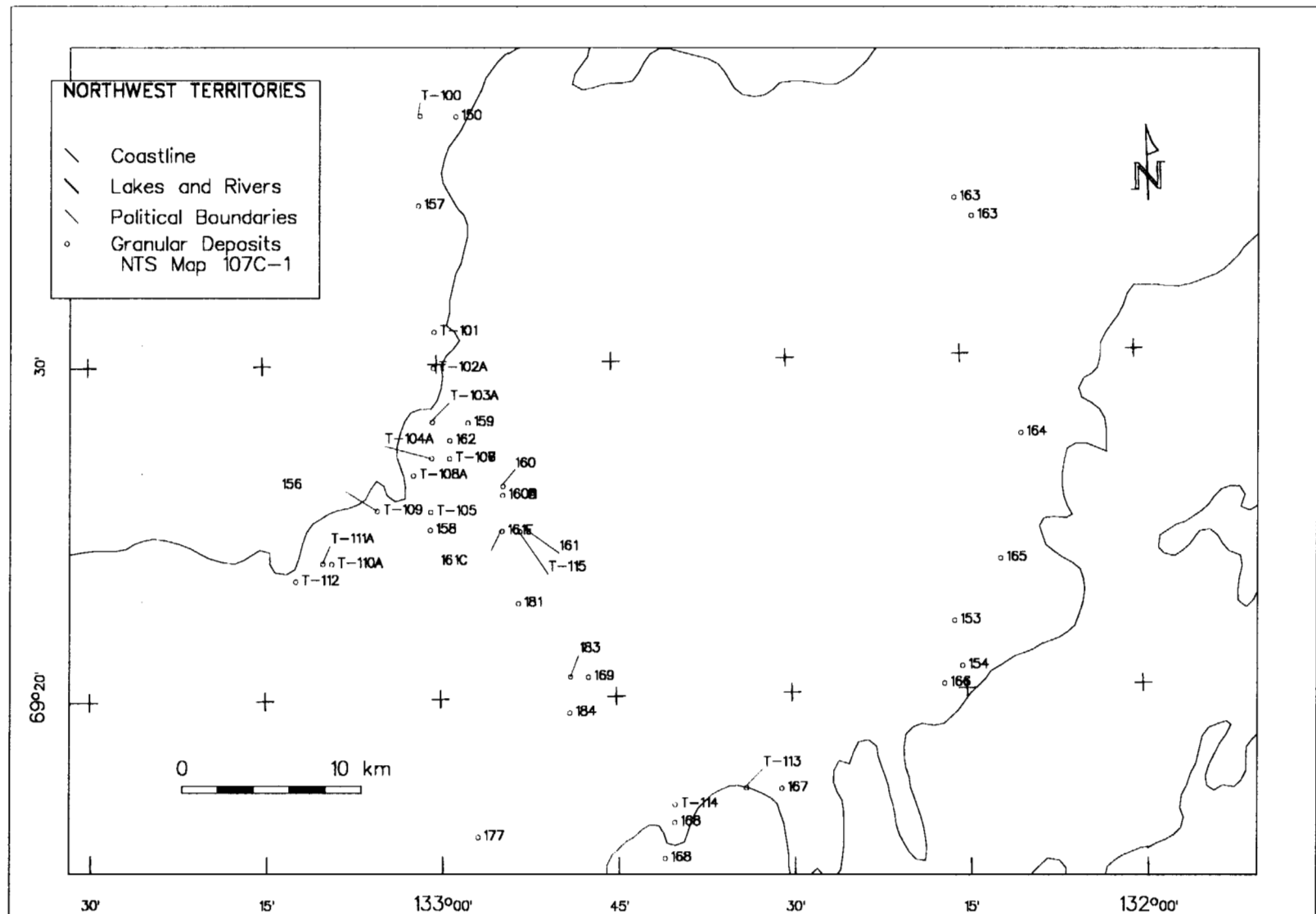
----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # : 0		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 0	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS : 84		FINES(%) :
OTHER TESTS : POROSITY%-01-3.3		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 319200	PROSPECTIVE VOLUME :
CLASS 2 : /319200/319200	PROVEN VOLUME :	TOTAL RECOVERABLE : 319200
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		





DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
150	/ /	107C/9	579000	7725000	SAND- some gravel	GLACIOFLUVIAL
153	/ /	107C/8	607500	7697500	GRAVEL- some sand, trace silt	GLACIOFLUVIAL
154	/ /	107C/8	608000	7695000	GRAVEL- some sand	GLACIOFLUVIAL
156	07/18/77	107C/7E	575000	7703000	SAND- some gravel	GLACIOFLUVIAL
157	/ /	107C/9W	577000	7720000	SAND- some gravel	GLACIOFLUVIAL
158	07/24/77	107C/8W	578000	7702000	SAND- some gravel	GLACIOFLUVIAL
159	07/18/77	107C/8W	580000	7708000	SAND- discontinuous gravel	GLACIOFLUVIAL
160A	01/21/80	107C/8W	582000	7704000	SAND- little silt and gravel	GLACIOFLUVIAL
160B	01/22/80	107C/8W	582000	7704000	SAND- gravel, some silt	GLACIOFLUVIAL
160D	01/22/80	107C/8W	582000	7704000	SAND- gravel	GLACIOFLUVIAL
161	07/20/77	107C/8W	583500	7702000	SAND- discontinuous gravel	GLACIOFLUVIAL
161C	01/22/80	107C/8W	582000	7702000	SAND- some gravel and silt	GLACIOFLUVIAL
161E	01/23/80	107C/8W	582000	7702000	SAND- some gravel, trace silt	GLACIOFLUVIAL
161F	01/23/80	107C/8W	582000	7702000	SAND- gravel	GLACIOFLUVIAL
162	07/24/77	107C/8W	579000	7707000	SAND- gravel	GLACIOFLUVIAL
163	09/11/86	107C/9E	608000	7720000	SAND- some gravel	GLACIOFLUVIAL
163	07/17/77	107C/9E	607000	7721000	SAND- some silt	GLACIOFLUVIAL
164	07/17/77	107C/8E	611000	7708000	SAND- thin gravel	GLACIOFLUVIAL
165	/ /	107C/8E	610000	7701000	SAND- gravel	GLACIOFLUVIAL
166	/ /	107C/8E	607000	7694000	SAND- gravel	GLACIOFLUVIAL
167	07/24/77	107C/8E	598000	7688000	SAND- gravel	GLACIOFLUVIAL
168	03/19/83	107C/8W	591500	7684000	GRAVEL- sand, little silt	GLACIOFLUVIAL
168	07/23/77	107C/8W	592000	7686000	SAND- gravel	GLACIOFLUVIAL
169	07/20/77	107C/8W	587000	7694000	SAND- discontinuous gravel	GLACIOFLUVIAL
177	07/23/77	107C/8W	581000	7685000	SAND- gravel	GLACIOFLUVIAL
181	09/06/86	107C/8W	583000	7698000	SAND- some gravel	GLACIOFLUVIAL
183	09/08/86	107C/8	586000	7694000	SAND- some gravel	GLACIOFLUVIAL
184	09/07/86	107C/8	586000	7692000	SAND- some gravel	GLACIOFLUVIAL
T-100	/ /	107C/9W	577000	7725000	SAND- little gravel	GLACIOFLUVIAL
T-101	/ /	107C/9W	578000	7713000	SAND- little gravel	GLACIOFLUVIAL
T-102A	/ /	107C/9W	578000	7711000	SAND- little gravel	GLACIOFLUVIAL;LACUST
T-103A	/ /	107C/8W	578000	7708000	SAND- little gravel	GLACIOFLUVIAL;LACUST
T-104A	/ /	107C/8W	578000	7706000	SAND- some gravel	GLACIOFLUVIAL;LACUST
T-105	/ /	107C/8W	578000	7703000	GRAVEL- some sand, trace silt	GLACIOFLUVIAL;LACUST
T-106	/ /	107C/8W	579000	7706000	GRAVEL- and sand, trace silt	GLACIOFLUVIAL;LACUST
T-107	/ /	107C/8W	579000	7706000	GRAVEL- sand	GLACIOFLUVIAL;LACUST
T-108A	/ /	107C/8W	577000	7705000	SAND- gravel	GLACIOFLUVIAL;LACUST
T-109	/ /	107C/7E	575000	7703000	GRAVEL- sand	GLACIOFLUVIAL;LACUST
T-110A	/ /	107C/7E	572500	7700000	SAND	GLACIOFLUVIAL;LACUST
T-111A	/ /	107C/7E	572000	7700000	SAND- gravel	GLACIOFLUVIAL;LACUST
T-112	/ /	107C/7E	570500	7699000	GRAVEL- sand	GLACIOFLUVIAL;LACUST
T-113	/ /	107C/8W	596000	7688000	GRAVEL- some sand	GLACIOFLUVIAL;LACUST
T-114	/ /	107C/8W	592000	7687000	GRAVEL- some sand	GLACIOFLUVIAL
T-115	/ /	107C/8W	583000	7702000	GRAVEL & SAND	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I72RKL-Z1	LOCAL NAMES	: TININERK BAY	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 150			NTS MAP REFERENCE	: 107C/9
STUDY ORDER	: I86H-S11, I77H-MS: 157, I72RKL-MS2: T-100 T-101 T-102 T-103			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I86H-S11, I77H-MS: 157, I72RKL-MS2: T-100 T-101 T-102 T-103			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: RKL7321				

----- Location Details -----

LOCATION	: 19.3 KM N OF TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	: COASTAL ICE ROAD	CENTRE EASTING(UTM)	: 579000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7725000
OFFSET DISTANCE	:	OFFSET DIRECTION	:
ACCESS LENGTH	: 0	KILOMETRE-POST	: 0.0
SOURCE ACCESS	:		

----- Condition and Digitizer Information -----

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 36000
PAST USE	:	AREA	: 63
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; RECONN; DELINEATION; PRODUCTION	LAST INVESTIGATION DATE	: 1972
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 1	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	: 0.6	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GENTLE			LANDFORM	: OCEAN SPIT
AREA DRAINAGE	: MODERATE			TOPOGRAPHY	: SPIT
VEGETATION	: BARREN				
PERMAFROST FEATURES	: THERMOKARST				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND- some gravel	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	: 0.9	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	: SUITABLE	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: MACKENZIE REINDEER GRAZING RESERVE; WATERFOWL BREEDING AREA; BREACHING SPIT		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: GM/SP/SP	D-50	: 000300
CLASSIFICATION #	: 1	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	: 24
SIEVE ANAL. #	: 1	SAND(%)	: 76
PETROGR. NO.:RESULTS	:	FINES(%)	: 0
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 152000	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 152000
CLASS 3	: /152000/152000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-Z1          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER      :
SOURCE NUMBER(S)  :153                  NTS MAP REFERENCE    :107C/8
STUDY ORDER       :I86H-SI1, 177H-MS: 165  MAP DIGITIZER NUMBER  :
STUDY REFERENCE   :I86H-SI1, 177H-MS: 165  MAP LOC./PLAN SCALE   : 250000
SOURCE REFERENCE  :RKL7321

----- Location Details -----

LOCATION           :32 KM E OF TUK          CENTRE ZONE(UTM)       : 8
CORRIDOR NAME    :WINTER ICE ROAD         CENTRE EASTING(UTM)   :607500
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM)  :7697500
OFFSET DISTANCE  :                        CENTRE LONGITUDE :132.23333
ACCESS LENGTH    : 0                      OFFSET DIRECTION      :
SOURCE ACCESS    :ACROSS ESKIMO LAKES     KILOMETRE-POST       : 0.0

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :INUIALUIT 7(1)(B)- TUK          STATUS :ABANDONED
STOCKPILE TYPE   :                               SITE PLAN SCALE :36000
PAST USE         :OIL EXPLORATION                 AREA : 752
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN                       -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                                           TEST HOLE DENSITY      :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.6          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP          LANDFORM        :KAME
AREA DRAINAGE          :MODERATE TO POOR          TOPOGRAPHY      :ROLLING, HUMMOCKY
VEGETATION             :MOSS, LICHENS, DWARF BIRCH AND WILLOW
PERMAFROST FEATURES    :POLYGONAL ICE WEGES;MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL- some sand, trace silt          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :3.0-6.0-9.0          OVERBURDEN TYPE       :ORGANICS
DEVELOP. POTENTIAL     :SUITABLE          UNDERBURDEN TYPE      :MASSIVE ICE
DEVELOP. CONSTRAINTS   :SILTATION; MACKENZIE REINDEER GRAZING RESERVE; MORE DELINEATION & EXPLOR.

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-SM/GW/
CLASSIFICATION #       : 1
PETRO NO.              : 1          MOISTURE(%):NUMBER : 1
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :1
PETROGR. NO.:RESULTS  :159
OTHER TESTS            :

D-50                   :010000
OVERSIZE(%)           :
GRAVEL(%)              :34
SAND(%)                :25
FINES(%)               :1

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 760000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :                TOTAL RECOVERABLE : 760000
CLASS 3 :/760000/760000          PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z1          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :154                  NTS MAP REFERENCE :107C/8
STUDY ORDER       :I86H-S11, 177H-MS: 166  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, 177H-MS: 166  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL7321

----- Location Details -----
LOCATION           :32 KM SE OF TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD          CENTRE EASTING(UTM)  :608000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM) :7695000
OFFSET DISTANCE  :                        CENTRE LATITUDE :69.38333
ACCESS LENGTH    : 0                      CENTRE LONGITUDE :132.20000
SOURCE ACCESS    :ACROSS ESKIMO LAKES      OFFSET DIRECTION     :
KILOMETRE-POST   : 0.0

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(B)- TUK        STATUS :ABANDONED
STOCKPILE TYPE    :                        SITE PLAN SCALE :36000
PAST USE          :OIL EXPLORATION                AREA : 167
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN                    -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                        TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.6-0.9-1.2 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP          LANDFORM :KAME
AREA DRAINAGE          :WELL TO POOR              TOPOGRAPHY :ROLLING, HILLOCKY
VEGETATION             :MOSS, LICHENS, DWARF BIRCH AND WILLOW;KAMES BARREN ON UPPER SLOPES
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL- some sand          OVERBURDEN THICKNESS :0.3
GRANULAR THICKNESS     :0.3-0.6-0.9              OVERBURDEN TYPE :ORGANIC SILT
DEVELOP. POTENTIAL     :SUITABLE                  UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS  :WILDLIFE HABITAT; MACKENZIE REINDEER GRAZING RESERVE; MORE DRILLING; ICE

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL/SP/GW
CLASSIFICATION #       : 2
PETRO NO.              : 0          MOISTURE(%):NUMBER : 2          D-50 :000300-004650-009000
SIEVE ANAL. #         : 2          MOISTURE(%):RESULTS :2-3-3      OVERSIZE(%) :
PETROGR. NO.:RESULTS  :           GRAVEL(%) :0-38-75
OTHER TESTS           :           SAND(%) :22-60-98
FINES(%) :2-3-3

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME : 152000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :                TOTAL RECOVERABLE : 152000
CLASS 3 :/152000/152000          PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I77H-MS	LOCAL NAMES : TUK AREA	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 156		NTS MAP REFERENCE : 107C/7E
STUDY ORDER : I86H-SI1, I72RKL-MS2: T-109 T-110 T-111 T-112		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-SI1, I72RKL-MS2: T-109 T-110 T-111 T-112		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RMH77T		

----- Location Details -----

LOCATION : 8 KM SW OF TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : WINTER ICE ROAD	CENTRE EASTING(UTM) : 575000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7703000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 8.0
SOURCE ACCESS :	

----- Condition and Digitizer Information -----

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 57600
PAST USE : NONE	AREA : 85
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; TEST LOGS; DELINEATION	LAST INVESTIGATION DATE : 1977
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.3-0.6-0.9	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 1.2-1.4-1.5	SITE DESCRIPTION DATE : 07/18/77	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : OUTWASH PLAIN
AREA DRAINAGE :		TOPOGRAPHY : OCEAN SPITS
VEGETATION : GENERALLY BARE		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.3-0.6-0.9	OVERBURDEN TYPE :
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : WATER, ICE
DEVELOP. CONSTRAINTS : COASTLINE EROSION; ENVIRONMENTAL CONCERNS	

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

----- Test Results -----

UNIFIED SOIL:CLASS : /SP/GW		D-50 :
CLASSIFICATION # : 0		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 0	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 288800	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 228000
CLASS 3 : /288800/	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I77H-MS          LOCAL NAMES :TIBJAK & TOPKAK POINT    NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :157              NTS MAP REFERENCE :107C/9W
STUDY ORDER       :I86H-S11, 172RKL-MS2: T-100 T-101 T-102 T-103, 172RKL-Z1: 15  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, 172RKL-MS2: T-100 T-101 T-102 T-103, 172RKL-Z1: 15  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE   :RMH77T

----- Location Details -----
LOCATION           :20.8 KM NE TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD         CENTRE EASTING(UTM)  :577000
CORRIDOR NUMBER  :                       CENTRE NORTHING(UTM) :7720000
OFFSET DISTANCE  :                       CENTRE LATITUDE :69.58333
ACCESS LENGTH    : 0                     CENTRE LONGITUDE :132.86667
SOURCE ACCESS    :                       OFFSET DIRECTION  :
                                           KILOMETRE-POST      : 20.8

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER    DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- TUK             STATUS :UNDEVELOPED
STOCKPILE TYPE   :                                   SITE PLAN SCALE :57600
PAST USE         :                                   AREA : 64
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                               -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; TEST LOGS      LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.2-1.4-1.8 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :1.2-1.4-1.5    SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM        :OUTWASH PLAIN
AREA DRAINAGE          :                TOPOGRAPHY      :OCEAN SPITS AND BEAC
VEGETATION             :GENERALLY BARREN
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- some gravel    OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :-1.8-              OVERBURDEN TYPE       :NONE
DEVELOP. POTENTIAL     :GOOD               UNDERBURDEN TYPE      :
DEVELOP. CONSTRAINTS   :COASTAL EROSION

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :Pt-Gp/SP/
CLASSIFICATION #       : 1
PETRO NO.              : 0                MOISTURE(%):NUMBER : 0
SIEVE ANAL. #         : 1                MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS   :
OTHER TESTS            :ORGAN_PLATE-01-1    D-50              :000500
                                           OVERSIZE(%)       :
                                           GRAVEL(%)         :2.4
                                           SAND(%)           :97.4
                                           FINES(%)          :0.2

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :/1292000/
CLASS 5 :
TOTAL VOLUME : 1292000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 988000
ANNUAL RECOVERABLE : 23100

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I77H-MS	LOCAL NAMES : BELUGA REEF, TOPKAK SHOAL	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 158		NTS MAP REFERENCE : 107C/8W
STUDY ORDER : I86H-S11		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-S11		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RMH77T		

----- Location Details -----

LOCATION : 4.8 KM N OF TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : TUK AREA ICE ROAD	CENTRE EASTING(UTM) : 578000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7702000
OFFSET DISTANCE :	CENTRE LATITUDE : 69.45000
ACCESS LENGTH : 0	CENTRE LONGITUDE : 132.86667
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST : 4.8

----- Condition and Digitizer Information -----

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 54000
PAST USE :	AREA : 770
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; TEST LOGS; DELINEATION	LAST INVESTIGATION DATE : 1977
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.3	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 07/24/77	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : OUTWASH PLAIN
AREA DRAINAGE : FLOODED		TOPOGRAPHY : OCEAN REEFS AND SHOAL
VEGETATION :		
PERMAFROST FEATURES : ABSENT		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.3	OVERBURDEN TYPE : ABSENT
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : COASTAL EROSION; NEEDS FURTHER INVESTIGATION; FLOODED	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt/SW-GW/		D-50 : 005500
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 57.1
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS :	SAND(%) : 41
PETROGR. NO.:RESULTS :		FINES(%) : 1.9
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 3800000	PROSPECTIVE VOLUME :
CLASS 2 : /3800000/	PROVEN VOLUME :	TOTAL RECOVERABLE : 3800000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I77H-MS	LOCAL NAMES	: TUK HARBOUR AVELTOK INLET	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 159			NTS MAP REFERENCE	: 107C/8W
STUDY ORDER	: I86H-S11, I72RKL-MS2: T-104 T-106			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I86H-S11, I72RKL-MS2: T-104 T-106			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: RMH77T				

----- Location Details -----

LOCATION	: 2 KM NE OF TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	: TUK AREA ICE ROAD	CENTRE EASTING(UTM)	: 580000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7708000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 69.46667
ACCESS LENGTH	: 0	CENTRE LONGITUDE	: 132.81667
SOURCE ACCESS	: ACROSS TUK HARBOUR	OFFSET DIRECTION	:
		KILOMETRE-POST	: 2.0

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 58800
PAST USE	:	AREA	: 600
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; RECONN; LAB ANALYSIS; TESTPITS	LAST INVESTIGATION DATE	: 1977
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 8	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	: 0.2-1.8-2.4	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 0.3-0.6-0.9	SITE DESCRIPTION DATE	: 07/18/77	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GRADUAL			LANDFORM	: OUTWASH PLAIN
AREA DRAINAGE	: GOOD			TOPOGRAPHY	: ROLLING, HUMMOCKY
VEGETATION	: BIRCH-HEATH TUNDRA				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND- discontinuous gravel	OVERBURDEN THICKNESS	: 0.3-1.1-1.8
GRANULAR THICKNESS	: 0-1.0-2.1	OVERBURDEN TYPE	: PEAT- roots, silt
DEVELOP. POTENTIAL	: GOOD	UNDERBURDEN TYPE	: ICE
DEVELOP. CONSTRAINTS	: PRESERVATION OF PERMAFROST; PIT RESTORATION		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: OL/SW-SP/GP-GM-GW	D-50	: 000800-009700-018000
CLASSIFICATION #	: 4	OVERSIZE(%)	: 4-9-12
PETRO NO.	: 0	GRAVEL(%)	: 42-55-65
SIEVE ANAL. #	: 4	SAND(%)	: 21-34-53
PETROGR. NO.:RESULTS	:	FINES(%)	: 4-5-6
OTHER TESTS	: ORGAN PLATE-04-5; [COARSE(FINE)]		
	: ABSORPTION%-01-2.03(-01-2.42); SULPH_SD-01-5.55(-01-14.11);		
	: SPEC_G_BSSD-01-2.63(-01-2.73)		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 3500000	PROSPECTIVE VOLUME	:
CLASS 2	: /3500000/	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 3500000
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I77H-MS          LOCAL NAMES :PIKIOLIK L. MAYOGIAK INLT  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :160              NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-S11, 172RKL-MS2:T-105, 180H-GIMS: 160A 160B 160D  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, 172RKL-MS2:T-105, 180H-GIMS: 160A 160B 160D  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RMH77T

----- Location Details -----
LOCATION           :2 KM E OF TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD        CENTRE EASTING(UTM)  : 58200
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) : 7704500
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.45000
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :132.88333
SOURCE ACCESS    :                      KILOMETRE-POST      : 2.0

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- TUK          STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :576000
PAST USE         :                      AREA : 424
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; LAB ANALYSIS; TESTPITS  LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 8          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.8-1.8-4.9 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.3-0.6-0.9  SITE DESCRIPTION DATE :07/19/77  GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL        LANDFORM       :OUTWASH PLAIN AND RI
AREA DRAINAGE          :FAIR          TOPOGRAPHY    :ROLLING, HUMMOCKY
VEGETATION             :BIRCH HEATH TUNDRA
PERMAFROST FEATURES   :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- irregular gravel  OVERBURDEN THICKNESS :0.6-1.5-2.4
GRANULAR THICKNESS     :0-0.7-3.4             OVERBURDEN TYPE      :PEAT- some silt
DEVELOP. POTENTIAL     :GOOD                UNDERBURDEN TYPE    :ICE
DEVELOP. CONSTRAINTS  :PRESERVATION PERMAROST LAYER; PIT RESTORATION; NEEDS DETAILED INSPECTION

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :ML-Pt/Sm-Sp/GW
CLASSIFICATION #      : 2
PETRO NO.             : 0          MOISTURE(%):NUMBER : 0
SIEVE ANAL. #        : 2          MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS :
OTHER TESTS           :ORGAN_PLATE-03-3.7; [COARSE(FINE)]
                       ABSORPTION%-01-1.58(-01-2.17);
                       SPEC_G_BSSD-01-2.64(-01-2.72); SULPH_SD-01-9.01(-01-20.24)
D-50                  :000400-003700-007500
OVERSIZE(%)          :0
GRAVEL(%)             :10-35-59
SAND(%)               :38-62-86
FINES(%)              :4-4-4

----- Material Quantity -----
CLASS 1 :                      TOTAL VOLUME : 3340000          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                  TOTAL RECOVERABLE : 3340000
CLASS 3 :/3340000/              PROBABLE VOLUME :                  ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:180H-GIMS	LOCAL NAMES	:FRESHWATER CREEK	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:160A			NTS MAP REFERENCE	:107C/8W
STUDY ORDER	:186H-S11, 177H-MS: 160, 172RKL-MS2: T-105			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:186H-S11, 177H-MS: 160, 172RKL-MS2: T-105			MAP LOC./PLAN SCALE	: 10000
SOURCE REFERENCE	:HAL80TE				

----- Location Details -----

LOCATION	:N OF MAYOGIAK INLET	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:582000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7704000
OFFSET DISTANCE	:	CENTRE LATITUDE	:69.45000
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:132.88333
SOURCE ACCESS	:DOWN TUK HARBOUR	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	:WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	:INUVALUIT 7(1)(A)- TUK	STATUS	:UNKNOWN
STOCKPILE TYPE	:	SITE PLAN SCALE	:10000
PAST USE	:	AREA	: 10
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:RECONN; DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE	:1980
GEOPHYSICAL DATA	:UNKNOWN	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 4	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:8.0-8.8-9.0	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:0.7-0.9-1.0	SITE DESCRIPTION DATE	:01/21/80	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:FLAT TO GENTLE			LANDFORM	:OUTWASH PLAIN;TERRAC
AREA DRAINAGE	:MODERATE TO WELL			TOPOGRAPHY	:FLAT TO GENTLY ROLLI
VEGETATION	:SHRUB HEATH TUNDRA				
PERMAFROST FEATURES	:MASSIVE, DENSE, VEIN & ICE WEDGES				

----- Source Stratigraphy -----

GRANULAR TYPE	:SAND- little silt and gravel	OVERBURDEN THICKNESS	:0-0.4-1.0
GRANULAR THICKNESS	:2.3-3.7-5.6	OVERBURDEN TYPE	:PEAT- organics, silt
DEVELOP. POTENTIAL	:FAIR	UNDERBURDEN TYPE	:MASSIVE ICE
DEVELOP. CONSTRAINTS	:WEATHER; THAW PONDS; DOCKING FACILITIES & ACCESS IN SUMMER; DRAINAGE		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:Pt/Sm-Sp/Sp			D-50	:000150-004800-011000
CLASSIFICATION #	: 6			OVERSIZE(%)	:
PETRO NO.	: 0	MOISTURE(%) :NUMBER	: 6	GRAVEL(%)	:8-40-61
SIEVE ANAL. #	: 4	MOISTURE(%) :RESULTS	:9-16-23	SAND(%)	:31-52-80
PETROGR. NO.:RESULTS	:			FINES(%)	:7-8-12
OTHER TESTS	:ORGAN_PLATE-01-3				

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 300000	PROSPECTIVE VOLUME	:
CLASS 2	:75000/75000/	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 300000
CLASS 3	:225000/225000/	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I80H-GIMS	LOCAL NAMES	: FRESHWATER CREEK	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 160B			NTS MAP REFERENCE	: 107C/8W
STUDY ORDER	: I86H-S11, 177H-MS: 160, 172RKL-MS2: T-105			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I86H-S11, 177H-MS: 160, 172RKL-MS2: T-105			MAP LOC./PLAN SCALE	: 10000
SOURCE REFERENCE	: HAL80TE				

----- Location Details -----

LOCATION	: NE OF MAYOGIAK INLET	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 582000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7704000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 69.45000
ACCESS LENGTH	: 0	CENTRE LONGITUDE	: 132.88333
SOURCE ACCESS	: ACROSS TUK HARBOUR & MAYOGIAK INLET	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNKNOWN
STOCKPILE TYPE	:	SITE PLAN SCALE	: 10000
PAST USE	:	AREA	: 5
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: RECONN; DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE	: 1980
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 3	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	: 8.5-9.2-9.5	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 0.7-0.9-1.0	SITE DESCRIPTION DATE	: 01/22/80	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GENTLE TO MODERATE			LANDFORM	: TERRACE
AREA DRAINAGE	: WELL			TOPOGRAPHY	: ROLLING TO HUMMOCKY
VEGETATION	: SHRUB HEATH TUNDRA				
PERMAFROST FEATURES	: MASSIVE, DENSE, VEIN & ICE WEDGES				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND- gravel, some silt	OVERBURDEN THICKNESS	: 0.2-0.9-2.5
GRANULAR THICKNESS	: 2.7-4.5-6.0	OVERBURDEN TYPE	: PEAT- organics, silt
DEVELOP. POTENTIAL	: FAIR TO GOOD	UNDERBURDEN TYPE	: MASSIVE ICE
DEVELOP. CONSTRAINTS	: SMALL VOLUME GREAT DISTANCE; WEATHER; THAW PONDS; DOCKING FACILITIES SUMMER		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: Ml-Sw/Sm-Sp/Gm	D-50	: 000000-002160-008000
CLASSIFICATION #	: 14	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	: 0-28-53
SIEVE ANAL. #	: 8	SAND(%)	: 13-45-69
PETROGR. NO.:RESULTS	:	FINES(%)	: 10-28-88
OTHER TESTS	: ORGAN_PLATE-02-3		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 138000	PROSPECTIVE VOLUME	:
CLASS 2	: 20000/20000/	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 138000
CLASS 3	: 128000/128000/	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I80H-GIMS          LOCAL NAMES :FRESHWATER CREEK      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :1600                NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-S11, 177H-MS: 160, 172RKL-MS2: T-105  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, 177H-MS: 160, 172RKL-MS2: T-105  MAP LOC./PLAN SCALE : 10000
SOURCE REFERENCE  :HAL80TE

----- Location Details -----

LOCATION           :SE OF BORROW B      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME:    :                     CENTRE EASTING(UTM)   :582000
CORRIDOR NUMBER :                     CENTRE NORTHING(UTM)  :7704000
OFFSET DISTANCE :                     CENTRE LATITUDE :69.45000
ACCESS LENGTH    : 0                  CENTRE LONGITUDE :132.88333
SOURCE ACCESS    :ACROSS TUK HARBOUR & MAYOGIAK INLET          KILOMETRE-POST       : 0.0

-----

CONDITION         :WINTER ICE ROAD;BARGE IN SUMMER            DIGITIZER NUMBER :
LAND TENURE       :INUIALUIT 7(1)(A)- TUK                    STATUS :UNKNOWN
STOCKPILE TYPE    :                     SITE PLAN SCALE :10000
PAST USE          :                     AREA : 3
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :RECONN; DELINEATION; PRODUCTION DRILLING  LAST INVESTIGATION DATE :1980
GEOPHYSICAL DATA   :UNKNOWN                                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 3      TESTPITS:NUMBER : 0      EXPOSURES:NUMBER : 0      DATA QUALITY :
BOREHOLES:DEPTH :9.0-9.0-9.0 TESTPITS:DEPTH : EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.7-0.9-1.0 SITE DESCRIPTION DATE :01/22/80  GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE      LANDFORM :OUTWASH PLAIN;TERRAC
AREA DRAINAGE          :MODERATE TO WELL TOPOGRAPHY :FLAT TO GENTLY ROLLI
VEGETATION             :SHRUB HEATH TUNDRA
PERMAFROST FEATURES    :MASSIVE, DENSE, VEIN & ICE WEDGES

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel      OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :2.0-3.5-4.5      OVERBURDEN TYPE :PEAT- organics, silt
DEVELOP. POTENTIAL     :FAIR TO GOOD      UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS  :WEATHER; SMALL VOLUME GREAT DISTANCE; DOCKING FACILITIES & ACCESS IN SUMMER

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

----- Test Results -----

UNIFIED SOIL:CLASS     :ML/SW-GP-GM/SP-SM  D-50 :001500-010750-020000
CLASSIFICATION #       : 6                OVERSIZE(%) :
PETRO NO.              : 1                MOISTURE(%) :NUMBER : 6    GRAVEL(%) :41-55-68
SIEVE ANAL. #         : 2                MOISTURE(%) :RESULTS :12-22-22 SAND(%) :20-33-45
PETROGR. NO.:RESULTS  :41.1              FINES(%) :12-13-14
OTHER TESTS            :ORGAN_PLATE-01-5

----- Material Quantity -----

CLASS 1 :
CLASS 2 :92000/92000/  TOTAL VOLUME : 92000      PROSPECTIVE VOLUME :
CLASS 3 :              PROVEN VOLUME :              TOTAL RECOVERABLE : 92000
CLASS 4 :              PROBABLE VOLUME :              ANNUAL RECOVERABLE : 0
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:177H-MS	LOCAL NAMES	:TUK HARBOUR MAYOGIAK INLT	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:161			NTS MAP REFERENCE	:107C/8W
STUDY ORDER	:I86H-S11, I80H-GIMS: 161C 161E 161F			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:I86H-S11, I80H-GIMS: 161C 161E 161F			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:RMH77T				

----- Location Details -----

LOCATION	:4.8 KM ESE OF TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME:	:WINTER ICE ROAD	CENTRE EASTING(UTM)	:583500
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:7702000
OFFSET DISTANCE :		CENTRE LATITUDE	:69.38333
ACCESS LENGTH :	: 0	CENTRE LONGITUDE	:132.83333
SOURCE ACCESS	:ACROSS TUK HARBOUR	OFFSET DIRECTION	:
		KILOMETRE-POST	: 4.8

CONDITION	:WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :	
LAND TENURE	:INUVALUIT 7(1)(A)- TUK	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:57600
PAST USE	:	AREA	: 212
STOCKPILE QUANTITY :		EXCAVATED VOLUME-FOR HIGHWAY :	0
PERFORMANCE RATING :		-FOR PIPELINE :	0
		PRIORITY FOR FUTURE STUDY :	

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

INVESTIGATION LEVEL	:AIRPHOTO; RECONN; LAB ANALYSIS; TESTPITS	LAST INVESTIGATION DATE	:1977
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER :	0	TESTPITS:NUMBER :	4	EXPOSURES:NUMBER :	0	DATA QUALITY :	
BOREHOLES:DEPTH :		TESTPITS:DEPTH :	0.2-1.8-3.7	EXPOSURES:DEPTH :			

----- Source Description -----

ACTIVE LAYER THICKNESS	:0.3-0.6-0.9	SITE DESCRIPTION DATE	:07/20/77	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:GRADUAL			LANDFORM	:OUTWASH PLAIN
AREA DRAINAGE	:FAIR			TOPOGRAPHY	:ROLLING, HUMMOCKY
VEGETATION	:BIRCH HEATH TUNDRA				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	:SAND- discontinuous gravel	OVERBURDEN THICKNESS	:0.3-1.1-1.8
GRANULAR THICKNESS	:0-1.5-3.5	OVERBURDEN TYPE	:PEAT- silt
DEVELOP. POTENTIAL	:SUITABLE	UNDERBURDEN TYPE	:ICE
DEVELOP. CONSTRAINTS	:PRESERVATION OF PERMAFROST LAYER; PIT RESORATION; FURTHER INVESTIGATION		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:Pt-ML/SW-SM-SP/GW-GP	D-50	:000600-003800-007000
CLASSIFICATION #	: 2	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:36-46-57
SIEVE ANAL. #	: 2	SAND(%)	:38-39-41
PETROGR. NO.:RESULTS :		FINES(%)	:23-24-24
OTHER TESTS	:ORGAN_PLATE-03-3.3; [COARSE(FINE)]		
	ABSORPTION%-01-2.06(-01-3.65);		
	SPEC_G_BSSD-01-2.61(-01-2.69); SULPH_SD-01-19.07(-01-17.3)		

----- Material Quantity -----

CLASS 1 :		TOTAL VOLUME	: 1444000	PROSPECTIVE VOLUME :	
CLASS 2 :		PROVEN VOLUME	:	TOTAL RECOVERABLE	: 1444000
CLASS 3 :/1444000/		PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4 :					
CLASS 5 :					

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I80H-GIMS	LOCAL NAMES	: FRESHWATER CREEK	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 161C			NTS MAP REFERENCE	: 107C/8W
STUDY ORDER	: I86H-S11, I77H-MS: 161			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I86H-S11, I77H-MS: 161			MAP LOC./PLAN SCALE	: 10000
SOURCE REFERENCE	: HAL80TE				

----- Location Details -----

LOCATION	: E OF BORROW B	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:	CENTRE EASTING(UTM)	: 582000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7702000
OFFSET DISTANCE	:	OFFSET DIRECTION	:
ACCESS LENGTH	: 0	KILOMETRE-POST	: 0.0
SOURCE ACCESS	: ACROSS TUK HARBOUR & MAYOGIAK INLET		

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNKNOWN
STOCKPILE TYPE	:	SITE PLAN SCALE	: 10000
PAST USE	:	AREA	: 4
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: RECONN; DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE	: 1980
GEOPHYSICAL DATA	: UNKNOWN	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 3	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	: 4.0-5.5-6.5	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 0.7-0.9-1.0	SITE DESCRIPTION DATE	: 01/22/80	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GENTLE TO MODERATE			LANDFORM	: OUTWASH PLAIN; TERRAC
AREA DRAINAGE	: MODERATE TO WELL			TOPOGRAPHY	: FLAT TO GENTLY ROLLI
VEGETATION	: SHRUB HEATH TUNDRA				
PERMAFROST FEATURES	: MASSIVE, DENSE, VEIN & ICE WEDGES				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND- some gravel and silt	OVERBURDEN THICKNESS	: 0-0.5-1.6
GRANULAR THICKNESS	: 2.0-2.6-3.7	OVERBURDEN TYPE	: PEAT- organics, silt
DEVELOP. POTENTIAL	: GOOD TO FAIR	UNDERBURDEN TYPE	: MASSIVE ICE
DEVELOP. CONSTRAINTS	: WEATHER; SMALL VOLUME GREAT DISTANCE; DOCKING FACILITIES & ACCESS IN SUMMER		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: SP-SM/SM-SP/			D-50	: 000400-002466-003500
CLASSIFICATION #	: 4			OVERSIZE(%)	:
PETRO NO.	: 0	MOISTURE(%) : NUMBER	: 4	GRAVEL(%)	: 17-32-42
SIEVE ANAL. #	: 3	MOISTURE(%) : RESULTS	: 12-16-22	SAND(%)	: 48-55-64
PETROGR. NO. : RESULTS	:			FINES(%)	: 9-13-19
OTHER TESTS	: ORGAN_PLATE-01-5				

----- Material Quantity -----

CLASS 1 :		TOTAL VOLUME	: 90000	PROSPECTIVE VOLUME	:
CLASS 2 : 13500/13500/		PROVEN VOLUME	:	TOTAL RECOVERABLE	: 90000
CLASS 3 :		PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4 :					
CLASS 5 :					

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:180H-GIMS	LOCAL NAMES	:FRESHWATER CREEK	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:161E			NTS MAP REFERENCE	:107C/8W
STUDY ORDER	:186H-S11, 177H-MS: 161			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:186H-S11, 177H-MS: 161			MAP LOC./PLAN SCALE	: 10000
SOURCE REFERENCE	:HAL80TE				

----- Location Details -----

LOCATION	:	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:582000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7702000
OFFSET DISTANCE	:	CENTRE LATITUDE	:69.43333
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:132.88333
SOURCE ACCESS	:ACROSS TUK HARBOUR & MAYOGIAK INLET	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	:WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	:INUVALUIT 7(1)(A)- TUK	STATUS	:UNKNOWN
STOCKPILE TYPE	:	SITE PLAN SCALE	:10000
PAST USE	:	AREA	: 6
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:RECONN; DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE	:1980
GEOPHYSICAL DATA	:UNKNOWN	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 3	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:4.0-5.7-6.5	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:0.7-0.9-1.0	SITE DESCRIPTION DATE	:01/23/80	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:GENTLE TO MODERATE			LANDFORM	:OUTWASH PLAIN;TERRAC
AREA DRAINAGE	:MODERATELY WELL			TOPOGRAPHY	:FLAT TO GENTLY ROLLI
VEGETATION	:SHRUB HEATH TUNDRA				
PERMAFROST FEATURES	:MASSIVE, DENSE, VEIN & ICE WEGES				

----- Source Stratigraphy -----

GRANULAR TYPE	:SAND- some gravel, trace silt	OVERBURDEN THICKNESS	:0-0.1-0.2
GRANULAR THICKNESS	:3.4-4.5-6.2	OVERBURDEN TYPE	:PEAT- organics, silt
DEVELOP. POTENTIAL	:GOOD TO FAIR	UNDERBURDEN TYPE	:MASSIVE ICE
DEVELOP. CONSTRAINTS	:WEATHER; SMALL VOLUME GREAT DISTANCE; DOCKING FACILITIES & ACCESS IN SUMMER		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:GP-GW/Sm-Sp/Sm	D-50	:000500-004625-009000
CLASSIFICATION #	: 4	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:4-36-57
SIEVE ANAL. #	: 4	SAND(%)	:36-57-87
PETROGR. NO.:RESULTS	:	FINES(%)	:4-7-9
OTHER TESTS	:ORGAN_PLATE-01-5		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 75000	PROSPECTIVE VOLUME	:
CLASS 2	:15000/15000/	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 75000
CLASS 3	:50000/50000/	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER :180H-GIMS	LOCAL NAMES :FRESHWATER CREEK	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :161F		NTS MAP REFERENCE :107C/8W	
STUDY ORDER :186H-S11, 177H-MS: 161		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :186H-S11, 177H-MS: 161		MAP LOC./PLAN SCALE : 10000	
SOURCE REFERENCE :HAL80TE			
----- Location Details -----			
LOCATION :NE OF MAYOGIAK INLET		CENTRE ZONE(UTM) :	8
CORRIDOR NAME: :		CENTRE EASTING(UTM) :	582000
CORRIDOR NUMBER :	CENTRE LATITUDE :69.43333	CENTRE NORTHING(UTM) :	7702000
OFFSET DISTANCE :	CENTRE LONGITUDE :132.88333	OFFSET DIRECTION :	
ACCESS LENGTH : 0		KILOMETRE-POST :	0.0
SOURCE ACCESS :ACROSS TUK HARBOUR & MAYOGIAK INLET			

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :		
LAND TENURE :INUUVIALUIT 7(1)(A)- TUK	STATUS :UNKNOWN		
STOCKPILE TYPE :	SITE PLAN SCALE :10000		
PAST USE :	AREA : 4		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING :	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL :RECONN; DELINEATION; PRODUCTION DRILLING		LAST INVESTIGATION DATE :1980	
GEOPHYSICAL DATA :UNKNOWN		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER : 2	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :3.5-6.3-9.0	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :0.7-0.9-1.0	SITE DESCRIPTION DATE :01/23/80	GENERIC ORIGIN :GLACIOFLUVIAL	
SLOPE :MODERATE		LANDFORM :OUTWASH PLAIN;TERRAC	
AREA DRAINAGE :MODERATE TO WELL		TOPOGRAPHY :NARROW RIDGE	
VEGETATION :SHRUB HEATH TUNDRA			
PERMAFROST FEATURES :MASSIVE, DENSE, VEIN & ICE WEDGES			
----- Source Stratigraphy -----			
GRANULAR TYPE :SAND- gravel	OVERBURDEN THICKNESS :0-0.1-0.2		
GRANULAR THICKNESS :--3.3	OVERBURDEN TYPE :PEAT- organics, silt		
DEVELOP. POTENTIAL :GOOD TO FAIR	UNDERBURDEN TYPE :MASSIVE ICE		
DEVELOP. CONSTRAINTS :WEATHER; SMALL VOLUME GREAT DISTANCE; DOCKING FACILITIES & ACCESS IN SUMMER			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :GM-GP/Sm-Sw/Sp		D-50 :000750-001900-005000	
CLASSIFICATION # : 6		OVERSIZE(%) :	
PETRO NO. : 1	MOISTURE(%) :NUMBER : 6	GRAVEL(%) :17-32-47	
SIEVE ANAL. # : 5	MOISTURE(%) :RESULTS :13-18-25	SAND(%) :41-58-73	
PETROGR. NO.:RESULTS :30.9		FINES(%) :8-10-13	
OTHER TESTS :ORGAN_PLATE-01-3			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 51000	PROSPECTIVE VOLUME :	
CLASS 2 :5000/5000/	PROVEN VOLUME :	TOTAL RECOVERABLE : 51000	
CLASS 3 :45000/45000/	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I77H-MS          LOCAL NAMES :TUK HARBOUR          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :162                                NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-SI1          MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-SI1          MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE   :RMH77T

----- Location Details -----
LOCATION            :2.9 KM E OF TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME     :WINTER ICE ROAD          CENTRE EASTING(UTM)  :579000
CORRIDOR NUMBER   :                        CENTRE NORTHING(UTM) :7707000
OFFSET DISTANCE   :                        CENTRE LATITUDE :69.45000
ACCESS LENGTH     : 0                      CENTRE LONGITUDE :132.91667
SOURCE ACCESS     :ACROSS TUK HARBOUR        OFFSET DIRECTION     :
KILOMETRE-POST    : 2.9

-----
CONDITION          :WINTER ICE ROAD;BARGE IN SUMMER    DIGITIZER NUMBER :
LAND TENURE         :INUVALUIT 7(1)(A)- TUK            STATUS :UNDEVELOPED
STOCKPILE TYPE      :                                SITE PLAN SCALE :57600
PAST USE            :                                AREA : 106
STOCKPILE QUANTITY  :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING  :                                -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS; REVIEW EXISTING  LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 9          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.3-0.3-0.3 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :07/24/77          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :          LANDFORM                :HARBOUR SEDIMENTS
AREA DRAINAGE          :          TOPOGRAPHY              :UNDERWATER SEDIMENTS
VEGETATION             :
PERMAFROST FEATURES    :NONE- EXCEPT NEAR SHORELINE

----- Source Stratigraphy -----
GRANULAR TYPE          :          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.3-0.3-0.3          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :FAIR                UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :LIMITED TESTING

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :/SP-SM-SW/GM-GP          D-50                :007000-015870-038000
CLASSIFICATION #       : 4                      OVERSIZE(%)         :0-2-9
PETRO NO.              : 0                      GRAVEL(%)           :56-67-89
SIEVE ANAL. #         : 4                      SAND(%)             :0-28-43
PETROGR. NO.:RESULTS  :                        FINES(%)            :0-2-3
OTHER TESTS            :ORGAN PLATE-03-3.3; [COARSE(FINE)]
                        :ABSORPTION%-01-2.29(-01-2.54);
                        :SPEC_G_BSSD-01-2.54(-01-2.73); SULPH_SD-01-3.81(-01-9.33)

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME : 5244000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :                  TOTAL RECOVERABLE : 5244000
CLASS 3 :/5244000/  PROBABLE VOLUME :              ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :177H-MS	LOCAL NAMES :HUTCHINSON BAY	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :163		NTS MAP REFERENCE :107C/9E
STUDY ORDER :186H-S11, 186H-MS2		MAP DIGITIZER NUMBER :
STUDY REFERENCE :186H-S11, 186H-MS2		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :RMH77T		

----- Location Details -----

LOCATION :35.2 KM NE OF TUK		CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :WINTER ICE ROAD		CENTRE EASTING(UTM) :607000
CORRIDOR NUMBER :	CENTRE LATITUDE :69.61667	CENTRE NORTHING(UTM) :7721000
OFFSET DISTANCE :	CENTRE LONGITUDE :132.23333	OFFSET DIRECTION :
ACCESS LENGTH : 0		KILOMETRE-POST : 35.2
SOURCE ACCESS :OVERLAND		

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :INUVALUIT 7(1)(B)- TUK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :57600
PAST USE :	AREA : 636
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :2.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :0-0.5-0.9	SITE DESCRIPTION DATE :07/17/77	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :OUTWASH PLAIN
AREA DRAINAGE :EXCELLENT		TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION :BIRCH HEATH TUNDRA		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- some silt	OVERBURDEN THICKNESS :--0.3
GRANULAR THICKNESS :3.0	OVERBURDEN TYPE :PEAT and silt
DEVELOP. POTENTIAL :GOOD	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :LONG DISTANCE; INVESTIGATION LEVEL	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL/SP/		D-50 :
CLASSIFICATION # : 0		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 0	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 65400000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 7296000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :/65400000/		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I86H-MS2	LOCAL NAMES : 163	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 163		NTS MAP REFERENCE : 107C/9E
STUDY ORDER : I86H-S11, 177H-MS		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-S11, 177H-MS		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HBT86TR		

----- Location Details -----

LOCATION : 33 KM ENE OF TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 608000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7720000
OFFSET DISTANCE : 20000;6000	CENTRE LATITUDE : 69.58333
ACCESS LENGTH : 10000	CENTRE LONGITUDE : 132.25000
SOURCE ACCESS : 10 KM OVERLAND	OFFSET DIRECTION : L/R
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(B)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 50000
PAST USE : STRIPPED	AREA : 700
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : UNKNOWN	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION	LAST INVESTIGATION DATE : 1986
GEOPHYSICAL DATA : UNKNOWN	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 4	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.7-1.3-1.6	EXPOSURES:DEPTH : 13.5	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.8-1.2-1.6	SITE DESCRIPTION DATE : 09/11/86	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : SIMPLE, FLAT TO GENTLE		LANDFORM : OUTWASH PLAIN;KAME;T
AREA DRAINAGE : MODERATE TO WELL;SOME BOGGY		TOPOGRAPHY : UNDULATING, LOW HILL
VEGETATION : SHRUB HEATH TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE LAYERS AND POLYGON ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some gravel	OVERBURDEN THICKNESS : 0.0-0.2-0.3
GRANULAR THICKNESS : 0.4-1.1-1.6	OVERBURDEN TYPE : PEAT- some silt
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE : SILT
DEVELOP. CONSTRAINTS : LAKE SILTATION; ONLY FAIR MATERIAL AT A GREAT DISTANCE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt/Sp/Gm		D-50 : 000250-000260-000300
CLASSIFICATION # : 3		OVERSIZE(%) : UNKNOWN
PETRO NO. : 1	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 6-11-22
SIEVE ANAL. # : 3	MOISTURE(%) : RESULTS :	SAND(%) : 75-80-90
PETROGR. NO.:RESULTS : 110		FINES(%) : 3-8-18
OTHER TESTS : ORGAN PLATE-01-2.5; ABSORPTION%-01-1.31;		
SPEC_G_BSSD-01-2.63		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 150000000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 150000000
CLASS 3 : /10000000/150000000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 50000
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :177H-MS          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :164              CENTRE EASTING(UTM) :611000
STUDY ORDER      :186H-S11          CENTRE NORTHING(UTM):7708000
STUDY REFERENCE  :186H-S11          MAP DIGITIZER NUMBER :
SOURCE REFERENCE  :RMH77T           MAP LOC./PLAN SCALE  : 250000

----- Location Details -----
LOCATION           :35.2 KM E OF TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD          CENTRE LATITUDE      :69.45000
CORRIDOR NUMBER  :                        CENTRE LONGITUDE     :132.11667
OFFSET DISTANCE  :                        OFFSET DIRECTION   :
ACCESS LENGTH    : 0                     KILOMETRE-POST       : 35.2
SOURCE ACCESS    :OVERLAND

-----
CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- TUK  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                        SITE PLAN SCALE :56400
PAST USE         :                        AREA : 423
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS          LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                                  TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.2-1.6-1.9 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :-0.9-          SITE DESCRIPTION DATE :07/17/77          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM :OUTWASH PLAIN
AREA DRAINAGE          :EXCELLENT        TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION             :BIRCH HEATH TUNDRA
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- thin gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :-3.1-          OVERBURDEN TYPE :THIN TO NONE
DEVELOP. POTENTIAL     :GOOD          UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS  :LONG DISTANCE; INVESTIGATION LEVEL

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :/SM-SP/GM-GW          D-50 :038000
CLASSIFICATION #       : 1          OVERSIZE(%) :
PETRO NO.              : 0          MOISTURE(%) :NUMBER : 0
SIEVE ANAL. #         : 1          MOISTURE(%) :RESULTS :
PETROGR. NO.:RESULTS  :              SAND(%) :63
OTHER TESTS           :ORGAN_PLATE-01-4        FINES(%) :8

----- Material Quantity -----
CLASS 1 :                      TOTAL VOLUME : 2660000          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                  TOTAL RECOVERABLE : 2660000
CLASS 3 :/2660000/          PROBABLE VOLUME :                  ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      : I77H-MS          LOCAL NAMES : ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  : 165                                NTS MAP REFERENCE : 107C/8E
STUDY ORDER       : I86H-SI1, I72RKL-Z1: 153          MAP DIGITIZER NUMBER :
STUDY REFERENCE   : I86H-SI1, I72RKL-Z1: 153          MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE   : RMH77T

----- Location Details -----

LOCATION           : 32 KM SE OF TUK
CORRIDOR NAME    : WINTER ICE ROAD
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    : 0
SOURCE ACCESS    :

CENTRE LATITUDE  : 69.40000
CENTRE LONGITUDE : 132.11667

CENTRE ZONE(UTM) : 8
CENTRE EASTING(UTM) : 610000
CENTRE NORTHING(UTM) : 7701000
OFFSET DIRECTION :
KILOMETRE-POST   : 32.0

-----

CONDITION        : WINTER ICE ROAD
LAND TENURE       : INUVIALUIT 7(1)(B)- TUK
STOCKPILE TYPE    :
PAST USE          :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

DIGITIZER NUMBER :
STATUS            : UNDEVELOPED
SITE PLAN SCALE   : 56400
AREA              : 105
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE    : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE : 1977
TEST HOLE DENSITY    :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0
BOREHOLES:DEPTH  :
TESTPITS:NUMBER  : 0
TESTPITS:DEPTH   :
EXPOSURES:NUMBER : 0
EXPOSURES:DEPTH  :
DATA QUALITY     :

----- Source Description -----

ACTIVE LAYER THICKNESS : > 0.9
SLOPE                   : GRADUAL
AREA DRAINAGE           : EXCELLENT
VEGETATION              : DWARF BIRCH AND WILLOW
PERMAFROST FEATURES     : MASSIVE ICE

SITE DESCRIPTION DATE : / /
GENERIC ORIGIN        : GLACIOFLUVIAL
LANDFORM              : OUTWASH PLAIN; KAME
TOPOGRAPHY            : ROLLING, HUMMOCKY

----- Source Stratigraphy -----

GRANULAR TYPE          : SAND- gravel
GRANULAR THICKNESS     : 9.1
DEVELOP. POTENTIAL     : GOOD
DEVELOP. CONSTRAINTS  : LONG DISTANCE; INVESTIGATION LEVEL

OVERBURDEN THICKNESS   : < 0.9
OVERBURDEN TYPE        : PEAT- silt
UNDERBURDEN TYPE       : MASSIVE ICE

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

----- Test Results -----

UNIFIED SOIL:CLASS :
CLASSIFICATION #    : 0
PETRO NO.           : 0
SIEVE ANAL. #       : 0
PETROGR. NO.:RESULTS :
OTHER TESTS         :

MOISTURE(%):NUMBER : 0
MOISTURE(%):RESULTS :

D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----

CLASS 1 :
CLASS 2 : /1292000/
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 1292000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 1292000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I77H-MS          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER      :
SOURCE NUMBER(S)  :166              CENTRE LATITUDE :69.31667 CENTRE EASTING(UTM)    :607000
STUDY ORDER       :I86H-S11, 172RKL-Z1: 154 CENTRE NORTHING(UTM)  :7694000
STUDY REFERENCE   :I86H-S11, 172RKL-Z1: 154 MAP DIGITIZER NUMBER   :
SOURCE REFERENCE   :RMH77T          MAP LOC./PLAN SCALE    : 250000

----- Location Details -----

LOCATION           :32 KM SE OF TUK          CENTRE ZONE(UTM)       : 8
CORRIDOR NAME     :WINTER ICE ROAD          CENTRE EASTING(UTM)    :607000
CORRIDOR NUMBER   :                        CENTRE NORTHING(UTM)  :7694000
OFFSET DISTANCE   :                        OFFSET DIRECTION    :
ACCESS LENGTH     : 0                      KILOMETRE-POST        : 32.0
SOURCE ACCESS     :OVERLAND

-----

CONDITION         :WINTER ICE ROAD          DIGITIZER NUMBER      :
LAND TENURE       :INUUVIALUIT 7(1)(A)&(B)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE    :                        SITE PLAN SCALE :56400
PAST USE          :                        AREA : 106
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                        -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS          LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                                  TEST HOLE DENSITY      :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.0          EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.9 >          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                   :GRADUAL          LANDFORM        :OUTWASH PLAIN;KAME C
AREA DRAINAGE           :EXCELLENT        TOPOGRAPHY      :ROLLING, HUMMOCKY
VEGETATION               :DWARF BIRCH AND WILLOW
PERMAFROST FEATURES     :MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE           :SAND- gravel          OVERBURDEN THICKNESS :NEGLIGIBLE
GRANULAR THICKNESS      :6.1          OVERBURDEN TYPE       :SILT- rootlets
DEVELOP. POTENTIAL      :FAIR          UNDERBURDEN TYPE      :ICE
DEVELOP. CONSTRAINTS    :SMALL VOLUME, GREAT DISTANCE; NEEDS FURTHER INVESTIGATION

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

----- Test Results -----

UNIFIED SOIL:CLASS      :OL/SW/GP          D-50              :018000
CLASSIFICATION #        : 1          OVERSIZE(%)       :13.4
PETRO NO.               : 0          GRAVEL(%)         :60.1
SIEVE ANAL. #           : 1          SAND(%)           :24.4
PETROGR. NO.:RESULTS    :              FINES(%)          :2.1
OTHER TESTS              :ORGAN_PLATE-01-3

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 129200          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :              TOTAL RECOVERABLE : 129200
CLASS 3 :/129200/          PROBABLE VOLUME :              ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I77H-MS          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :167                                NTS MAP REFERENCE :107C/8E
STUDY ORDER       :I72RKL-MS2: T-113                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I72RKL-MS2: T-113                    MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RMH77T

----- Location Details -----
LOCATION           :27.2 KM SE OF TUK                      CENTRE ZONE(UTM)    : 8
CORRIDOR NAME    :WINTER ICE ROAD                        CENTRE EASTING(UTM) :598000
CORRIDOR NUMBER  :                                         CENTRE NORTHING(UTM):7688000
OFFSET DISTANCE  :                                         CENTRE LATITUDE :69.28333
ACCESS LENGTH    : 0                                     CENTRE LONGITUDE :132.30000
SOURCE ACCESS    :OVERLAND                                OFFSET DIRECTION   :
                                                         KILOMETRE-POST     : 27.2

-----
CONDITION        :WINTER ICE ROAD                        DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(A)- TUK                STATUS :UNDEVELOPED
STOCKPILE TYPE   :                                         SITE PLAN SCALE :56400
PAST USE         :                                         AREA : 106
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : -FOR PIPELINE : 0
                                                         PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS    LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                           TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.2-1.4-1.5 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9 >          SITE DESCRIPTION DATE :07/24/77          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL                                LANDFORM :OUTWASH PLAIN;KAME C
AREA DRAINAGE          :EXCELLENT                                TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION             :SHRUBBY TUNDRA WITH BARE PATCHES
PERMAFROST FEATURES    :MASSIVE ICE POSSIBILITY

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- gravel          OVERBURDEN THICKNESS :< 0.6
GRANULAR THICKNESS     :6.1                  OVERBURDEN TYPE :PEAT
DEVELOP. POTENTIAL     :FAIR                  UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS   :DISTANCE

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

----- Test Results -----
UNIFIED SOIL:CLASS     :ML/SW-SP-SM/GW-GM
CLASSIFICATION #       : 0
PETRO NO.              : 0          MOISTURE(%):NUMBER : 0
SIEVE ANAL. #         : 0          MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS  :
OTHER TESTS            :
                                                         D-50 :
                                                         OVERSIZE(%) :
                                                         GRAVEL(%) :
                                                         SAND(%) :
                                                         FINES(%) :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :/1748000/
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 1748000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 1748000
ANNUAL RECOVERABLE : 0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER : I83B8T-2S	LOCAL NAMES : 168, ESKIMO LAKES	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) : 168		NTS MAP REFERENCE : 107C/8W	
STUDY ORDER : I86H-S11, 177H-MS		MAP DIGITIZER NUMBER :	
STUDY REFERENCE : I86H-S11, 177H-MS		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE : BBT83T			
----- Location Details -----			
LOCATION : 25 KM SE TUK		CENTRE ZONE(UTM) :	8
CORRIDOR NAME : IMPERIAL OIL ICE ROAD		CENTRE EASTING(UTM) :	591500
CORRIDOR NUMBER :	CENTRE LATITUDE : 69.26667	CENTRE NORTHING(UTM) :	7684000
OFFSET DISTANCE :	CENTRE LONGITUDE : 132.61667	OFFSET DIRECTION :	
ACCESS LENGTH : 10500		KILOMETRE-POST :	24.0
SOURCE ACCESS : PLOWED OVERLAND ACCESS TO 168			

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : PARTIALLY DEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE : 50000		
PAST USE : EXPLORATION RKL 1972	AREA : 938		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING : FAIR	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL : DELINEATION; PRODUCTION DRILLING		LAST INVESTIGATION DATE : 1983	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER : 8	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 5.4-8.3-10.5	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS : 1.8-1.9-2.0	SITE DESCRIPTION DATE : 03/19/83	GENERIC ORIGIN : GLACIOFLUVIAL	
SLOPE : GENTLE		LANDFORM : ESKER; KAME	
AREA DRAINAGE : MODERATELY WELL		TOPOGRAPHY : RIDGE	
VEGETATION : LOW SHRUBBY TUNDRA			
PERMAFROST FEATURES : MASSIVE ICE			
----- Source Stratigraphy -----			
GRANULAR TYPE : GRAVEL- sand, little silt	OVERBURDEN THICKNESS : -1.0-		
GRANULAR THICKNESS : 4.5-7.5-10.5	OVERBURDEN TYPE : PEAT- organic cover		
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : CLAY TILL		
DEVELOP. CONSTRAINTS : ENVIRONMENTAL CONCERNS; WINTER EXTRACTION ONLY ECONOMICALLY FEASIBLE			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS : CL-SM/SW-GW/GW-SW		D-50 :	000650-005610-018000
CLASSIFICATION # : 47		OVERSIZE(%) :	
PETRO NO. : 3	MOISTURE(%) : NUMBER : 47	GRAVEL(%) :	33-62-89
SIEVE ANAL. # : 38	MOISTURE(%) : RESULTS : 2-10-52	SAND(%) :	10-36-67
PETROGR. NO.:RESULTS : 116-213-292		FINES(%) :	0.3-1-3
OTHER TESTS : ORGAN PLATE-10-3.8; LA ABRASION-03-14.6; [COARSE(FINE)]			
	ABSORPTION%-03-0.75(-03-1.24);		
	SPEC G BSSD-03-2.62(-03-2.63);		
	SULPH_SD_MG/NA-02-4.4(-02-9.1)		
----- Material Quantity -----			
CLASS 1 : 600000/600000/150000000	TOTAL VOLUME : 150000000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	150000000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	150000
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I77H-MS          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :168              CENTRE LATITUDE :69.28333 CENTRE EASTING(UTM) :592000
STUDY ORDER       :I86H-S11, I83BBT-2S CENTRE LONGITUDE :132.61667 CENTRE NORTHING(UTM) :7686000
STUDY REFERENCE   :I86H-S11, I83BBT-2S MAP DIGITIZER NUMBER :
SOURCE REFERENCE   :RMH77T          MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :25.6 KM SE OF TUK          CENTRE ZONE(UTM) : 8
CORRIDOR NAME    :WINTER ICE ROAD          CENTRE EASTING(UTM) :592000
CORRIDOR NUMBER  :                          CENTRE NORTHING(UTM) :7686000
OFFSET DISTANCE  :                          OFFSET DIRECTION :
ACCESS LENGTH    : 0                      KILOMETRE-POST : 25.6
SOURCE ACCESS    :

-----
CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- TUK   STATUS :UNDEVELOPED
STOCKPILE TYPE   :                          SITE PLAN SCALE :56400
PAST USE         :                          AREA : 26
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : -FOR PIPELINE : 0
                          PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS          LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA :                          TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :          TESTPITS:DEPTH : 1.1-1.3-1.4 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9 >          SITE DESCRIPTION DATE :07/23/77          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL          LANDFORM :OUTWASH PLAIN;KAME C
AREA DRAINAGE :EXCELLENT          TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION :SHRUBBY TUNDRA SOME BARE PATCHES
PERMAFROST FEATURES :

----- Source Stratigraphy -----
GRANULAR TYPE :SAND- gravel          OVERBURDEN THICKNESS :0--0.9
GRANULAR THICKNESS :6.1          OVERBURDEN TYPE :SILT
DEVELOP. POTENTIAL :FAIR          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :DISTANCE; FURTHER INVESTIGATION

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :ML/SM-SW/GW          D-50 :009000
CLASSIFICATION # : 1          OVERSIZE(%) :6.3
PETRO NO. : 0          GRAVEL(%) :55
SIEVE ANAL. # : 1          SAND(%) :36.6
PETROGR. NO.:RESULTS :          FINES(%) :2.1
OTHER TESTS :ORGAN_PLATE-01-5

----- Material Quantity -----
CLASS 1 :/836000/          TOTAL VOLUME : 836000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 836000
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I77H-MS          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :169              NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-S11, I86H-MS2: 183  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I86H-MS2: 183  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :RMH77T

----- Location Details -----

LOCATION           :16 KM SE OF TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD          CENTRE EASTING(UTM)  :587000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM) :7694000
OFFSET DISTANCE  :8000                    CENTRE LATITUDE      :69.35000
ACCESS LENGTH    : 8000                   CENTRE LONGITUDE     :132.75000
SOURCE ACCESS    :OVERLAND                OFFSET DIRECTION     :R
                                           KILOMETRE-POST       : 16.0

-----

CONDITION        :WINTER ICE ROAD          DIGITIZER NUMBER :
LAND TENURE       :INUVALUIT 7(1)(A)- TUK  STATUS :UNDEVELOPED
STOCKPILE TYPE    :                        SITE PLAN SCALE :56400
PAST USE          :                        AREA : 106
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                        -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                           TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.5-2.3-3.1 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.6-0.9        SITE DESCRIPTION DATE :07/20/77        GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL              LANDFORM          :OUTWASH PLAIN
AREA DRAINAGE          :GOOD                 TOPOGRAPHY        :ROLLING, HUMMOCKY
VEGETATION             :DWARF WILLOW AND FEW SEDGES
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- discontinuous gravel          OVERBURDEN THICKNESS :2.4
GRANULAR THICKNESS     :4.6                              OVERBURDEN TYPE      :SILT- organic
DEVELOP. POTENTIAL     :POOR                            UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS  :EXTENSIVE OVERBURDEN; DISCONTINUOUS SMALL VOLUME GRAVEL; FURTHER INVESTIGAT

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL/SP/GW
CLASSIFICATION #       : 1
PETRO NO.              : 0
SIEVE ANAL. #         : 1
PETROGR. NO.:RESULTS  :
OTHER TESTS            :ORGAN_PLATE-01-5

MOISTURE(%):NUMBER : 0
MOISTURE(%):RESULTS :

D-50              :003500
OVERSIZE(%)       :4.5
GRAVEL(%)          :51.5
SAND(%)            :49.1
FINES(%)           :2.3

----- Material Quantity -----

CLASS 1 :
CLASS 2 :/760000/
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 760000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 760000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I77H-MS	LOCAL NAMES : TUK AREA	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 177		NTS MAP REFERENCE : 107C/8W
STUDY ORDER : I86H-S11		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-S11		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RMH77T		

----- Location Details -----

LOCATION : 22.4 KM S OF TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : WINTER ICE ROAD	CENTRE EASTING(UTM) : 581000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7685000
OFFSET DISTANCE : 1600	OFFSET DIRECTION : L
ACCESS LENGTH : 1600	KILOMETRE-POST : 22.4
SOURCE ACCESS :	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 57600
PAST USE :	AREA : 106
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE : 1977
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 5	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.2-1.6-2.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.3-0.6-0.9	SITE DESCRIPTION DATE : 07/23/77	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : OUTWASH PLAIN
AREA DRAINAGE : EXCELLENT		TOPOGRAPHY : ROLLING, HUMMOCKY
VEGETATION : SHRUBBY TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE POSSIBLE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- gravel	OVERBURDEN THICKNESS : 0--1.5
GRANULAR THICKNESS : 4.6	OVERBURDEN TYPE : PEAT- some silt
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : ICE
DEVELOP. CONSTRAINTS : LIMITED EXPLORATION; DISTANCE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : ML/SW-SP/GP-GW		D-50 : 000420-004800-009200
CLASSIFICATION # : 2		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 21-43-65
SIEVE ANAL. # : 2	MOISTURE(%) : RESULTS :	SAND(%) : 33-54-75
PETROGR. NO.:RESULTS :		FINES(%) : 2-3-3
OTHER TESTS : ORGAN PLATE-03-4.3; [COARSE(FINE)]		
ABSORPTION%-01-1.78(-01-1.96);		
SPEC_G_BSSD-01-2.59(-01-2.68); SULPH_SD-01-9.71(-01-9.92)		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 19000000	PROSPECTIVE VOLUME :
CLASS 2 : /19000000/	PROVEN VOLUME :	TOTAL RECOVERABLE : 19000000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER : I86H-MS2	LOCAL NAMES : REINDEER POINT	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) : 181		NTS MAP REFERENCE : 107C/8W	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE : HBT86TR			
----- Location Details -----			
LOCATION : 10 KM SE TUK		CENTRE ZONE(UTM) :	8
CORRIDOR NAME : MACKENZIE ICE ROAD		CENTRE EASTING(UTM) :	583000
CORRIDOR NUMBER :	CENTRE LATITUDE : 69.36667	CENTRE NORTHING(UTM) :	7698000
OFFSET DISTANCE : 5000;0	CENTRE LONGITUDE : 132.95000	OFFSET DIRECTION :	L/R
ACCESS LENGTH : 4000		KILOMETRE-POST :	8.0
SOURCE ACCESS : OVER TUNDRA			

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :		
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : UNDEVELOPED		
STOCKPILE TYPE :	SITE PLAN SCALE : 50000		
PAST USE :	AREA : 100		
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :	0	
PERFORMANCE RATING :	-FOR PIPELINE :	0	
	PRIORITY FOR FUTURE STUDY :		
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION		LAST INVESTIGATION DATE : 1986	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 15	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.4-0.9-1.3	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS : 0.7-1.2-1.7	SITE DESCRIPTION DATE : 09/06/86	GENERIC ORIGIN : GLACIOFLUVIAL	
SLOPE : SIMPLE, FLAT TO GENTLE		LANDFORM : OUTWASH PLAIN; KAME; T	
AREA DRAINAGE : MODERATE TO WELL		TOPOGRAPHY : ROLLING, HUMMOCKY	
VEGETATION : SHRUB HEATH TUNDRA			
PERMAFROST FEATURES : POLYGON ICE WEDGES			
----- Source Stratigraphy -----			
GRANULAR TYPE : SAND- some gravel	OVERBURDEN THICKNESS : 0.1-0.2-0.3		
GRANULAR THICKNESS : 0.4-0.9-1.3	OVERBURDEN TYPE : PEAT- sand, some silt		
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE : FROZEN SAND OR SAND & GRAVEL		
DEVELOP. CONSTRAINTS : LAKE SILTATION; LOW VOLUME; NOT COST EFFECTIVE			
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS : Pt-OL-ML/Sp/GM-GC-GP		D-50 : 000250-001265-008000	
CLASSIFICATION # : 13		OVERSIZE(%) :	
PETRO NO. : 1	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 1-23-59	
SIEVE ANAL. # : 13	MOISTURE(%) : RESULTS :	SAND(%) : 37-72-98	
PETROGR. NO. : RESULTS : 105		FINES(%) : 2-4-7	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME : 260000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 260000	
CLASS 3 : /260000/260000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 187000	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I86H-MS2          LOCAL NAMES :REINDEER POINT      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :183                NTS MAP REFERENCE :107C/8
STUDY ORDER       :I86H-S11: 169, 177H-MS: 169  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11: 169, 177H-MS: 169  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :HBT86TR

----- Location Details -----

LOCATION           :15 KM SE TUK
CORRIDOR NAME    :MACKENZIE ICE ROAD
CORRIDOR NUMBER  :
OFFSET DISTANCE  :5000;5000
ACCESS LENGTH    : 8000
SOURCE ACCESS    :OVER TUNDRA

CENTRE LATITUDE  :69.33333
CENTRE LONGITUDE:132.86667
CENTRE ZONE(UTM) : 8
CENTRE EASTING(UTM) :586000
CENTRE NORTHING(UTM):7694000
OFFSET DIRECTION :L/R
KILOMETRE-POST   : 8.0

-----

CONDITION        :WINTER ICE ROAD
LAND TENURE       :INUVIALUIT 7(1)(A)- TUK
STOCKPILE TYPE    :
PAST USE          :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

DIGITIZER NUMBER :
STATUS            :UNDEVELOPED
SITE PLAN SCALE   :50000
AREA              : 150
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE    : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1986
TEST HOLE DENSITY   :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0
BOREHOLES:DEPTH  :
TESTPITS:NUMBER : 8
TESTPITS:DEPTH  :0.6-1.2-1.7
EXPOSURES:NUMBER : 0
EXPOSURES:DEPTH :
DATA QUALITY :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.7-1.2-1.7
SLOPE                  :SIMPLE, FLAT TO GENTLE
AREA DRAINAGE          :MODERATE TO WELL
VEGETATION             :SHRUB HEATH TUNDRA
PERMAFROST FEATURES    :POLYGON ICE WEDGES

SITE DESCRIPTION DATE :09/08/86
GENERIC ORIGIN        :GLACIOFLUVIAL
LANDFORM              :OUTWASH PLAIN;KAME;T
TOPOGRAPHY            :ROLLING, HUMMOCKY

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- some gravel
GRANULAR THICKNESS     :0.6-1.2-1.7
DEVELOP. POTENTIAL     :FAIR
DEVELOP. CONSTRAINTS  :LOW VOLUME;LAKE SILTATION;NOT COST EFFECTIVE

OVERBURDEN THICKNESS   :0.1-0.2-0.3
OVERBURDEN TYPE        :PEAT- sand, some silt
UNDERBURDEN TYPE       :FROZEN SAND OR SAND & GRAVEL

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

----- Test Results -----

UNIFIED SOIL:CLASS     :Pt/SP/GP
CLASSIFICATION #       : 7
PETRO NO.              : 1
SIEVE ANAL. #         : 7
PETROGR. NO.:RESULTS   :190
OTHER TESTS            :

MOISTURE(%):NUMBER    : 0
MOISTURE(%):RESULTS   :

D-50                  :000300-001514-007000
OVERSIZE(%)           :
GRAVEL(%)              :1-25-52
SAND(%)                :43-72-97
FINES(%)               :1-3-5

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :/118500/118500
CLASS 4 :
CLASS 5 :

TOTAL VOLUME          : 118500
PROVEN VOLUME         :
PROBABLE VOLUME       :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE    : 118500
ANNUAL RECOVERABLE   : 70000
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I86H-MS2	LOCAL NAMES : REINDEER POINT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 184		NTS MAP REFERENCE : 107C/8
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HBT86TR		

----- Location Details -----

LOCATION : 20 KM SE TUK		CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD		CENTRE EASTING(UTM) : 586000
CORRIDOR NUMBER :	CENTRE LATITUDE : 69.30000	CENTRE NORTHING(UTM) : 7692000
OFFSET DISTANCE : 5000;6000	CENTRE LONGITUDE : 132.83333	OFFSET DIRECTION : L/R
ACCESS LENGTH : 11000		KILOMETRE-POST : 8.0
SOURCE ACCESS : OVER TUNDRA		

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 50000
PAST USE :	AREA : 60
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION	LAST INVESTIGATION DATE : 1986
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 8	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.8-1.1-1.4	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.7-1.2-1.7	SITE DESCRIPTION DATE : 09/07/86	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : SIMPLE, FLAT TO GENTLE		LANDFORM : OUTWASH PLAIN;KAME;T
AREA DRAINAGE : MODERATE TO WELL		TOPOGRAPHY : ROLLING, HUMMOCKY
VEGETATION : SHRUB HEATH TUNDRA		
PERMAFROST FEATURES : POLYGON ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some gravel	OVERBURDEN THICKNESS : 0.1-0.2-0.3
GRANULAR THICKNESS : 0.8-1.1-1.4	OVERBURDEN TYPE : PEAT- sand, some silt
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE : FROZEN SAND OR SAND & GRAVEL
DEVELOP. CONSTRAINTS : LOW VOLUME;LAKE SILTATION;NOT COST EFFECTIVE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt/SP/GP-SP		D-50 : 000290-000950-003000
CLASSIFICATION # : 5		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 10-28-46
SIEVE ANAL. # : 5	MOISTURE(%) : RESULTS :	SAND(%) : 46-65-77
PETROGR. NO.:RESULTS : 114		FINES(%) : 2-7-13
OTHER TESTS : COARSE:		
ABSORPTION%-01-1.21;LA_ABRASION-01-17.9;SPEC_G_BK-01-2.59;S		
PEC_G_SSD-01-2.62;FINE: ORGAN_PLATE-01-4		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 220000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 220000
CLASS 3 : /220000/220000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 200000
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :TIBJAK POINT          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-100                NTS MAP REFERENCE :107C/9W
STUDY ORDER       :I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----
LOCATION           :14.5 KM N TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :COASTAL ICE ROAD       CENTRE EASTING(UTM)  :577000
CORRIDOR NUMBER  :                       CENTRE NORTHING(UTM) :7725000
OFFSET DISTANCE  :                       CENTRE LATITUDE :69.58333
ACCESS LENGTH    : 0                     CENTRE LONGITUDE :132.98333
SOURCE ACCESS    :                       OFFSET DIRECTION  :
                                           KILOMETRE-POST      : 14.5

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER          DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(A)- TUK                 STATUS :UNDEVELOPED
STOCKPILE TYPE    :                                          SITE PLAN SCALE :36000
PAST USE          :                                          AREA : 3
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                                          TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.1          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :1.0          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM :OCEAN SPIT
AREA DRAINAGE          :EXCELLENT       TOPOGRAPHY :OCEAN SPIT
VEGETATION             :BARREN
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- little gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0-0.6-1.1          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :WATER
DEVELOP. CONSTRAINTS  :EROSION; INTERFERENCE WILDLIFE AND MARINE LIFE

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :GP-SP
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1          D-50 :000550
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :2.9        OVERSIZE(%) :
PETROGR. NO.:RESULTS  :           GRAVEL(%) :15
OTHER TESTS           :           SAND(%) :85
                                           FINES(%) :

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME : 60800          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :              TOTAL RECOVERABLE : 60800
CLASS 3 :/60800/    PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I72RKL-MS2	LOCAL NAMES	: TOPKAK POINT	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: T-101			NTS MAP REFERENCE	: 107C/9W
STUDY ORDER	: I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I86H-SI1, I77H-MS: 157, I72RKL-Z1: 150			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: RKL73T				

----- Location Details -----

LOCATION	: 6-8 KM N TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	: COASTAL ICE ROAD	CENTRE EASTING(UTM)	: 578000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7713000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 69.53333
ACCESS LENGTH	: 0	CENTRE LONGITUDE	: 132.95000
SOURCE ACCESS	:	OFFSET DIRECTION	:
		KILOMETRE-POST	: 6.4

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 36000
PAST USE	:	AREA	: 52
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE	: 1972
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 1	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	: 1.4	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 1.4	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GENTLE			LANDFORM	: OCEAN SPIT
AREA DRAINAGE	: GOOD			TOPOGRAPHY	: OCEAN SPIT
VEGETATION	: BARREN				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND- little gravel	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	: 1.4	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	: UNSUITABLE	UNDERBURDEN TYPE	: WATER
DEVELOP. CONSTRAINTS	: EROSION; INTERFERENCE WILDLIFE AND MARINE LIFE		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: /SP/			D-50	: 000550
CLASSIFICATION #	: 1			OVERSIZE(%)	:
PETRO NO.	: 0	MOISTURE(%) : NUMBER	: 1	GRAVEL(%)	: 15
SIEVE ANAL. #	: 1	MOISTURE(%) : RESULTS	: 2.9	SAND(%)	: 85
PETROGR. NO.:RESULTS	:			FINES(%)	:
OTHER TESTS	:				

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME	: 76000	PROSPECTIVE VOLUME	:
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 76000
CLASS 3 : /76000/	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4 :				
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :172RKL-MS2          LOCAL NAMES :BELUGA POINT          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-102A              CENTRE LATITUDE :69.51667          NTS MAP REFERENCE :107C/9W
STUDY ORDER       :I86H-S11, I77H-MS: 157, I72RKL-Z1: 150          MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I77H-MS: 157, I72RKL-Z1: 150          MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----

LOCATION           :4.8 KM N TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :COASTAL ICE ROAD      CENTRE EASTING(UTM)   :578000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM)  :7711000
OFFSET DISTANCE  :                      CENTRE LONGITUDE :132.83333
ACCESS LENGTH    : 0                    KILOMETRE-POST       : 4.8
SOURCE ACCESS    :

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER          DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(A)- TUK                STATUS :UNDEVELOPED
STOCKPILE TYPE    :                      SITE PLAN SCALE :36000
PAST USE          :                      AREA : 41
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS          LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.1          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :1.1          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM :BEACH
AREA DRAINAGE          :EXCELLENT       TOPOGRAPHY :BEACH
VEGETATION             :BARREN WITH SPARSE PATCHES TUFTED GRASS AND SMALL SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- little gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.9          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :SILT- organic
DEVELOP. CONTRASTS     :EROSION; WATERFOWL NESTING; INTERFERENCE MARINE LIFE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OM/SP/
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1          D-50 :000380
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :6          OVERSIZE(%) :
PETROGR. NO.:RESULTS  :                      GRAVEL(%) :10
OTHER TESTS           :                      SAND(%) :89
                                           FINES(%) :1

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 68400          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                      TOTAL RECOVERABLE : 68400
CLASS 3 :/68400/              PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :T-103A              CENTRE ZONE(UTM)    : 8
STUDY ORDER       :I86H-S11, I77H-MS: 157, I72RKL-Z1: 150  CENTRE EASTING(UTM) :578000
STUDY REFERENCE   :I86H-S11, I77H-MS: 157, I72RKL-Z1: 150  CENTRE NORTHING(UTM):7708000
SOURCE REFERENCE  :RKL73T              MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----

LOCATION           :3.2 KM N TUK          CENTRE LATITUDE :69.48333
CORRIDOR NAME    :COASTAL ICE ROAD      CENTRE LONGITUDE:132.88333
CORRIDOR NUMBER  :                      OFFSET DIRECTION :
OFFSET DISTANCE  :                      KILOMETRE-POST  : 3.2
ACCESS LENGTH    : 0
SOURCE ACCESS    :

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER          DIGITIZER NUMBER :
LAND TENURE       :INUIALUIT 7(1)(A)- TUK                  STATUS :UNDEVELOPED
STOCKPILE TYPE    :                                          SITE PLAN SCALE :36000
PAST USE          :                                          AREA : 16
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : -FOR PIPELINE : 0
                    : PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   : TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.9          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.9          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM :BEACH
AREA DRAINAGE          :GOOD           TOPOGRAPHY :BEACH
VEGETATION             :BARREN
PERMAFROST FEATURES   :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- little gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.9          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :EROSION; WATERFOWL NESTING AREA

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

----- Test Results -----

UNIFIED SOIL:CLASS     :GP/SP/
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :6.7
PETROGR. NO.:RESULTS  :
OTHER TESTS            :
D-50                   :000390
OVERSIZE(%)           :
GRAVEL(%)              :19
SAND(%)                :81
FINES(%)               :

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :/76000/
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 76000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 76000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-104A              NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-S11, I77H-MS: 159  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I77H-MS: 159  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----
LOCATION           :2.4 KM E TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD       CENTRE EASTING(UTM)  :578000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7706000
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.46667
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :132.83333
SOURCE ACCESS    :ACROSS TUK HARBOUR    OFFSET DIRECTION     :
                                           KILOMETRE-POST      : 2.4

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :INUVALUIT 7(1)(A)- TUK          STATUS :UNDEVELOPED
STOCKPILE TYPE    :                      SITE PLAN SCALE :36000
PAST USE          :                      AREA : 33
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.9          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM          :BEACH
AREA DRAINAGE          :EXCELLENT       TOPOGRAPHY      :BEACH
VEGETATION             :SPARSE GRASS, SMALL SHRUBS & MOSS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- some gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.9          OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS  :SHORELINE EROSION; COMMUNITY EXPANSION SITE

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :GP/SP/
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :6.8
PETROGR. NO.:RESULTS  :
OTHER TESTS            :
D-50                   :000500
OVERSIZE(%)           :
GRAVEL(%)              :25
SAND(%)                :75
FINES(%)               :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :/19000/
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 19000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 19000
ANNUAL RECOVERABLE : 0
  
```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-105                NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-S11, I80H-GIMS: 160A 160B 160D, I77H-MS: 160  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I80H-GIMS: 160A 160B 160D, I77H-MS: 160  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----

LOCATION           :3.2 KM SE TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD        CENTRE EASTING(UTM)  :578000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7703000
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.43333
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :132.83333
SOURCE ACCESS    :ACROSS TUK HARBOUR     OFFSET DIRECTION     :
                                           KILOMETRE-POST      : 3.2

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :INUVALUIT 7(1)(A)- TUK          STATUS :UNDEVELOPED
STOCKPILE TYPE    :                      SITE PLAN SCALE :36000
PAST USE          :                      AREA : 33
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.8          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.8          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM :BEACH
AREA DRAINAGE          :EXCELLENT       TOPOGRAPHY :BEACH
VEGETATION             :TUNDRA- PEAT, MOSS, GRASS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL- some sand, trace silt  OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.8              OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :UNKNOWN          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS   :COASTAL FISHING AREA; PROPOSED TOWNSITE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :SP/GP-GM/
CLASSIFICATION #       : 1
PETRO NO.              : 0              MOISTURE(%):NUMBER : 1
SIEVE ANAL. #         : 1              MOISTURE(%):RESULTS :4.5
PETROGR. NO.:RESULTS  :
OTHER TESTS           :
                                           D-50 :018000
                                           OVERSIZE(%) :
                                           GRAVEL(%) :75
                                           SAND(%) :24.8
                                           FINES(%) :0.2

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :/22800/
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 22800
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 22800
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :FORT HEARNE ISLAND      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-106                                     NTS MAP REFERENCE :107C/8W
STUDY ORDER       :I86H-S11, I77H-MS: 159                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I77H-MS: 159                   MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----

LOCATION           :2.4 KM E TUK
CORRIDOR NAME    :WINTER ICE ROAD
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    : 0
SOURCE ACCESS    :ACROSS TUK HARBOUR

CENTRE LATITUDE  :69.45500
CENTRE LONGITUDE :132.81667
CENTRE ZONE(UTM) : 8
CENTRE EASTING(UTM) :579000
CENTRE NORTHING(UTM) :7706000
OFFSET DIRECTION :
KILOMETRE-POST   : 2.4

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER          DIGITIZER NUMBER :
LAND TENURE      :INUIALUIT 7(1)(A)- TUK                  STATUS :DEVELOPED
STOCKPILE TYPE   :
PAST USE         :COMMUNITY GRANULAR SUPPLY                SITE PLAN SCALE :36000
STOCKPILE QUANTITY :
PERFORMANCE RATING :GENERAL FILL & BASE COVER              AREA : 5
EXCAVATED VOLUME-FOR HIGHWAY : 0
-POR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA :
TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :1.5          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :1.5          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE
AREA DRAINAGE          :GOOD
VEGETATION             :MOSS
PERMAFROST FEATURES :

LANDFORM :ISLAND
TOPOGRAPHY :SMALL ISLAND

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL- and sand, trace silt          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.5          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :GOOD          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :DOMESTIC FISHERIES; IMPORTANT TO WATERFOWL

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

----- Test Results -----

UNIFIED SOIL:CLASS     :SM/SW/GW-GM
CLASSIFICATION #       : 1
PETRO NO.              : 1          MOISTURE(%):NUMBER : 1          D-50 :008500
SIEVE ANAL. #         : 0          MOISTURE(%):RESULTS :3.8        OVERSIZE(%) :
PETROGR. NO.:RESULTS :306          GRAVEL(%) :56
OTHER TESTS           :          SAND(%) :37
FINES(%) :7

----- Material Quantity -----

CLASS 1 :
CLASS 2 :/38000/
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 38000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 38000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I72RKL-MS2	LOCAL NAMES	: ISLAND IN TUK HARBOUR	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: T-107			NTS MAP REFERENCE	: 107C/8W
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: RKL73T				

----- Location Details -----

LOCATION	: 1.6 KM NE TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	: WINTER ICE ROAD	CENTRE EASTING(UTM)	: 579000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7706000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 69.46667
ACCESS LENGTH	: 0	CENTRE LONGITUDE	: 132.95000
SOURCE ACCESS	: ACROSS TUK HARBOUR	OFFSET DIRECTION	:
		KILOMETRE-POST	: 1.6

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 36000
PAST USE	:	AREA	: 5
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE	: 1972
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 1	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	: 0.9	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 0.9	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	: GLACIOFLUVIAL; LACUST
SLOPE	: GENTLE			LANDFORM	: OCEAN SPIT
AREA DRAINAGE	: EXCELLENT			TOPOGRAPHY	: OCEAN SPIT
VEGETATION	: BARREN				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	: GRAVEL- sand	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	: 0.9	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	: FAIR	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: WATERFOWL NESTING AREA; COASTAL EROSION; DOMESTIC FISHERIES		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: SP/GP	D-50	: 009500
CLASSIFICATION #	: 1	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	: 57
SIEVE ANAL. #	: 1	SAND(%)	: 43
PETROGR. NO.:RESULTS	:	FINES(%)	:
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 15200	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 15200
CLASS 3	: /15200/	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :KUGNALLIT BAY          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-108A              NTS MAP REFERENCE :107C/8W
STUDY ORDER       :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----

LOCATION           :1.6 KM S TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :LOCAL ROAD            CENTRE EASTING(UTM)  :577000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7705000
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.45000
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :133.00000
SOURCE ACCESS    :                      KILOMETRE-POST      : 1.6

-----

CONDITION        :YEAR ROUND ACCESS ROAD  DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(A)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE    :                      SITE PLAN SCALE :36000
PAST USE          :                      AREA : 8
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.2          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :1.2          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM :OCEAN SPIT
AREA DRAINAGE          :EXCELLENT      TOPOGRAPHY :OCEAN SPIT
VEGETATION             :BARREN
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.2          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :GROUND ICE
DEVELOP. CONSTRAINTS  :ADJACENT TO BELUGA WHALE PUPPING AREA; WATERFOWL NESTING AREA; EROSION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :GW/SW          D-50 :004000
CLASSIFICATION #       : 1          OVERSIZE(%) :
PETRO NO.              : 1          GRAVEL(%) :47
SIEVE ANAL. #         : 1          SAND(%) :53
PETROGR. NO.:RESULTS  :231          FINES(%) :
OTHER TESTS            :

----- Material Quantity -----

CLASS 1 :/19000/          TOTAL VOLUME : 19000          PROSPECTIVE VOLUME :
CLASS 2 :                  PROVEN VOLUME :          TOTAL RECOVERABLE : 19000
CLASS 3 :                  PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-109                NTS MAP REFERENCE :107C/7E
STUDY ORDER       :I86H-S11, I77H-MS: 156  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I77H-MS: 156  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----
LOCATION           :4.8 KM SW TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD        CENTRE EASTING(UTM)  :575000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7703000
OFFSET DISTANCE  :                      CENTRE LONGITUDE :133.06667
ACCESS LENGTH    : 0                    OFFSET DIRECTION     :
SOURCE ACCESS    :                      KILOMETRE-POST       : 4.8

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :INUUVIALUIT 7(1)(A)- TUK        STATUS :DEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :COMMUNITY GRANULAR SUPPLY        AREA : 21
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN                -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.2          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :1.2          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM        :OCEAN SPIT
AREA DRAINAGE          :EXCELLENT       TOPOGRAPHY     :OCEAN SPIT
VEGETATION             :SPARSE- PATCHES GRASS & SMALL SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL- sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.2                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :GOOD                UNDERBURDEN TYPE     :GROUND ICE
DEVELOP. CONSTRAINTS  :IMPORTANT WATERFOWL BREEDING AREA; NEAR BELUGA PUPPING AREA; EROSION

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :SW/GW
CLASSIFICATION #       : 3
PETRO NO.              : 0
SIEVE ANAL. #         : 3
PETROGR. NO.:RESULTS  :
OTHER TESTS            :
MOISTURE(%):NUMBER    : 3
MOISTURE(%):RESULTS   :2-2-3
D-50                   :002000-004750-007500
OVERSIZE(%)           :
GRAVEL(%)              :38-52-65
SAND(%)                :30-46-62
FINES(%)               :

----- Material Quantity -----
CLASS 1 :/57000/
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 57000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 57000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-MS2          LOCAL NAMES :PENINSULA POINT          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-110A              CENTRE LATITUDE :69.41667          CENTRE EASTING(UTM) :572500
STUDY ORDER       :I86H-SI1, I77H-MS: 156 CENTRE LONGITUDE :133.12167        CENTRE NORTHING(UTM) :7700000
STUDY REFERENCE   :I86H-SI1, I77H-MS: 156 MAP DIGITIZER NUMBER :
SOURCE REFERENCE  :RKL73T              MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :6.4 KM SW TUK          CENTRE ZONE(UTM) : 8
CORRIDOR NAME:   :                       CENTRE EASTING(UTM) :572500
CORRIDOR NUMBER :                               CENTRE NORTHING(UTM) :7700000
OFFSET DISTANCE :                               OFFSET DIRECTION :
ACCESS LENGTH   : 0                         KILOMETRE-POST : 0.0
SOURCE ACCESS   :

-----
CONDITION        :BARGE IN SUMMER          DIGITIZER NUMBER :
LAND TENURE       :INUUVIALUIT 7(1)(A)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE    :                       SITE PLAN SCALE :36000
PAST USE          :                       AREA : 0
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : -FOR PIPELINE : 0
                    PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA : TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :0.8          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.8          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GENTLE          LANDFORM :BEACH
AREA DRAINAGE          :EXCELLENT        TOPOGRAPHY :BEACH
VEGETATION             :SPARSE TO NEGLIGIBLE
PERMAFROST FEATURES :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.8          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :POOR          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL AREA; DOMESTIC FISHERIES; NEAR BELUGA WHALE PUPPING

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL/SP/
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :5.2
PETROGR. NO.:RESULTS :
OTHER TESTS            :
D-50                   :000250
OVERSIZE(%)           :
GRAVEL(%)              :1
SAND(%)                :96
FINES(%)               :3

----- Material Quantity -----
CLASS 1 :
CLASS 2 : TOTAL VOLUME : 34200          PROSPECTIVE VOLUME :
CLASS 3 : PROVEN VOLUME :
CLASS 4 : PROBABLE VOLUME : TOTAL RECOVERABLE : 34200
CLASS 5 : ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-MS2          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-111A              NTS MAP REFERENCE :107C/7E
STUDY ORDER       :I86H-SI1, 177H-MS: 156  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-SI1, 177H-MS: 156  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----

LOCATION           :8 KM SW TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME:    :                     CENTRE EASTING(UTM)   :572000
CORRIDOR NUMBER :                     CENTRE NORTHING(UTM)  :7700000
OFFSET DISTANCE :                     CENTRE LATITUDE :69.40000
ACCESS LENGTH    : 0                   CENTRE LONGITUDE :133.13333
SOURCE ACCESS    :                     OFFSET DIRECTION  :
                                           KILOMETRE-POST    : 0.0

-----

CONDITION         :BARGE IN SUMMER      DIGITIZER NUMBER :
LAND TENURE        :INUUVIALUIT 7(1)(A)- TUK  STATUS :UNDEVELOPED
STOCKPILE TYPE     :                     SITE PLAN SCALE :36000
PAST USE           :                     AREA : 5
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.2          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :1.2          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                   :GENTLE          LANDFORM :OCEAN SPIT
AREA DRAINAGE           :EXCELLENT       TOPOGRAPHY :OCEAN SPIT
VEGETATION              :SPARSE TO NEGLIGIBLE
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE           :SAND- gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS      :1.2          OVERBURDEN TYPE :
DEVELOP. POTENTIAL      :POOR          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS    :EROSION; LOW QUANTITY; BELUGA WHALE PUPPING AREA; DOMESTIC FISHERIES

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

----- Test Results -----

UNIFIED SOIL:CLASS      :/GW/SW
CLASSIFICATION #        : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1
SIEVE ANAL. #          : 1          MOISTURE(%):RESULTS :2.7
PETROGR. NO.:RESULTS   :
OTHER TESTS            :
                                           D-50 :003500
                                           OVERSIZE(%) :
                                           GRAVEL(%) :48
                                           SAND(%) :52
                                           FINES(%) :

----- Material Quantity -----

CLASS 1 :/15200/          TOTAL VOLUME : 15200          PROSPECTIVE VOLUME :
CLASS 2 :                  PROVEN VOLUME :                  TOTAL RECOVERABLE : 15200
CLASS 3 :                  PROBABLE VOLUME :                  ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I72RKL-MS2	LOCAL NAMES	: TUK AREA	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: T-112			NTS MAP REFERENCE	: 107C/7E
STUDY ORDER	: I86H-S11, I77H-MS: 156			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I86H-S11, I77H-MS: 156			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: RKL73T				

----- Location Details -----

LOCATION	: 9.6 KM SW TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:	CENTRE EASTING(UTM)	: 570500
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7699000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 69.40000
ACCESS LENGTH	: 0	CENTRE LONGITUDE	: 133.16667
SOURCE ACCESS	:	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	: BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- TUK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 36000
PAST USE	:	AREA	: 21
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE	: 1972
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 1	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	: 1.2	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 1.2	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	: GLACIOFLUVIAL; LACUST
SLOPE	: GENTLE			LANDFORM	: OCEAN SPIT
AREA DRAINAGE	: EXCELLENT			TOPOGRAPHY	: OCEAN SPIT
VEGETATION	: SPARSE TO NEGLIGIBLE				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	: GRAVEL- sand	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	: 1.2	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	: POOR	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: BELUGA PUPPING AREA; DOMESTIC FISHERIES; IMPORTANT WATERFOWL AREA		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: /SW/GW	D-50	: 001200-002850-004500
CLASSIFICATION #	: 2	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	: 33-41-49
SIEVE ANAL. #	: 2	SAND(%)	: 51-59-67
PETROGR. NO.:RESULTS	:	FINES(%)	:
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1	: /19000/	TOTAL VOLUME	: 19000	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 19000
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-MS2	LOCAL NAMES : ESKIMO LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : T-113		NTS MAP REFERENCE : 107C/8W
STUDY ORDER : I77H-MS: 167		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I77H-MS: 167		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RKL73T		

----- Location Details -----

LOCATION : 27.2 KM SE TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : WINTER ICE ROAD	CENTRE EASTING(UTM) : 596000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7688000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 27.2
SOURCE ACCESS :	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- TUK	STATUS : MINOR DEVELOPMENT
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE : OIL FIELD EXPLORATION	AREA : 62
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : SUITABLE	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE : 1972
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.2	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 1.2	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL; LACUST
SLOPE : GENTLE TO STEEP		LANDFORM : KAME; TERRACE
AREA DRAINAGE : GOOD		TOPOGRAPHY : ROLLING
VEGETATION : MOSS WITH LOW SHRUBS		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- some sand	OVERBURDEN THICKNESS : 0.3
GRANULAR THICKNESS : 0.9	OVERBURDEN TYPE : SILT- organic, roots
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE : GROUND ICE
DEVELOP. CONSTRAINTS : POSSIBLE SUMMER RANGE REINDEER & CARIBOU; WATERFOWL STAGING AREA; ACCESS	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OM/SP/GP		D-50 : 009000
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%):NUMBER : 1	GRAVEL(%) : 71
SIEVE ANAL. # : 1	MOISTURE(%):RESULTS : 2.3	SAND(%) : 28
PETROGR. NO.:RESULTS : 177		FINES(%) : 1
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 1140000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 1140000
CLASS 3 : /1140000/	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-114                NTS MAP REFERENCE :107C/8W
STUDY ORDER      :                      MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                      MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL73T

----- Location Details -----
LOCATION           :25.6 KM SE TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD         CENTRE EASTING(UTM)  :592000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7687000
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.28333
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :132.63333
SOURCE ACCESS    :                      KILOMETRE-POST      : 25.6

-----
CONDITION        :WINTER ICE ROAD         DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- TUK  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA : 10
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; HAND EXCAVATED TESTPITS; LAB ANALYSIS  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH : 1.2          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :1.2          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE TO STEEP          LANDFORM :ESKER
AREA DRAINAGE          :GOOD              TOPOGRAPHY :ROLLING
VEGETATION              :MOSS AND SMALL SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL- some sand          OVERBURDEN THICKNESS :0.9
GRANULAR THICKNESS     :0.3          OVERBURDEN TYPE :PEAT
DEVELOP. POTENTIAL     :EXCELLENT          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :POSSIBLE SUMMER RANGE REINDEER & CARIBOU; WATERFOWL STAGING AREA

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :Pt/SW/GW          D-50 :011000
CLASSIFICATION #       : 1          OVERSIZE(%) :
PETRO NO.              : 1          MOISTURE(%) :NUMBER : 0          GRAVEL(%) :68
SIEVE ANAL. #         : 1          MOISTURE(%) :RESULTS :          SAND(%) :31
PETROGR. NO.:RESULTS  :163          FINES(%) :1
OTHER TESTS            :

----- Material Quantity -----
CLASS 1 :                      TOTAL VOLUME : 15200          PROSPECTIVE VOLUME :
CLASS 2 :/15200/              PROVEN VOLUME :                      TOTAL RECOVERABLE : 15200
CLASS 3 :                      PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-MS2          LOCAL NAMES :IMPERIAL OIL AIRSTRIP    NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :T-115                NTS MAP REFERENCE :107C/8W
STUDY ORDER      :                      MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                      MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE :RKL73T

----- Location Details -----

LOCATION           :5.6 KM SE TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD        CENTRE EASTING(UTM)  :583000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7702000
OFFSET DISTANCE  :                      CENTRE LATITUDE      :69.40000
ACCESS LENGTH    : 0                    CENTRE LONGITUDE     :132.86667
SOURCE ACCESS    :ACROSS TUK HARBOUR AND OVERLAND KILOMETRE-POST      : 5.6

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CONDITION        :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :INVESTIGATED BY IMPERIAL OIL F AREA : 17
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :EXCELLENT             -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO;RECONN;HAND EXCAVATED TESTPITS;LAB ANALYSIS;REVIEW LAST INVESTIGATION DATE :1972
IMPERIAL DATA
GEOPHYSICAL DATA  :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER :24          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :15.0-28-30. EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM :OUTWASH
AREA DRAINAGE          :GOOD           TOPOGRAPHY :ROLLING, KNOLL
VEGETATION             :MOSS AND LOW SHRUBS
PERMAFROST FEATURES   :

----- Source Stratigraphy -----

GRANULAR TYPE         :GRAVEL & SAND          OVERBURDEN THICKNESS :0.3-0.8-1.2
GRANULAR THICKNESS    :4.9                  OVERBURDEN TYPE :PEAT
DEVELOP. POTENTIAL    :EXCELLENT            UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL BREEDING AREA AND WHITE FOX HABITAT

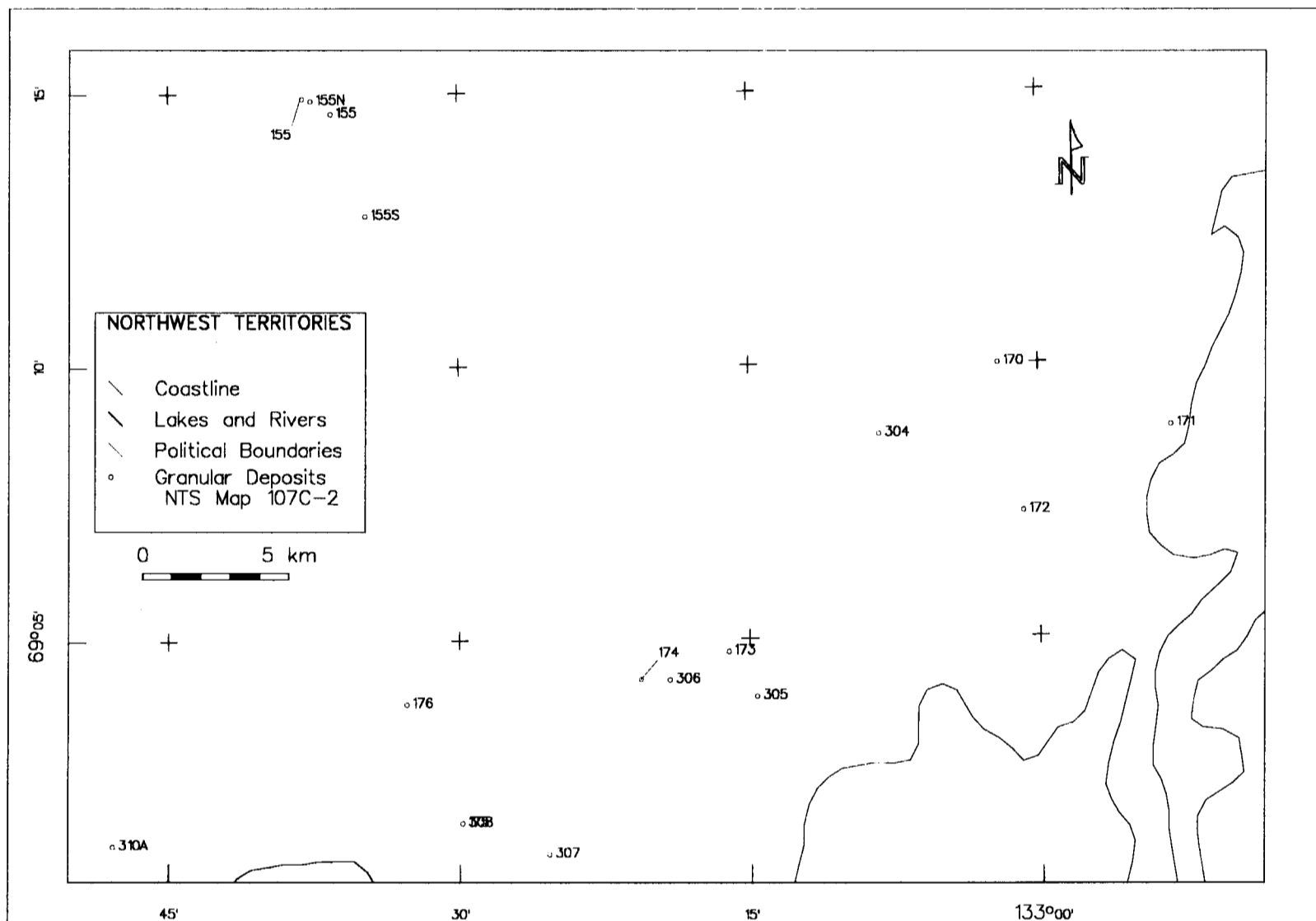
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS    :Pt/GW-SW/SW-GW          D-50 :000002-002270-009000
CLASSIFICATION #      : 24                    OVERSIZE(%) :
PETRO NO.             : 0                    GRAVEL(%) :0-25-67
SIEVE ANAL. #         : 10                   MOISTURE(%) :NUMBER : 0
PETROGR. NO.:RESULTS :                      MOISTURE(%) :RESULTS :
OTHER TESTS           :                      SAND(%) :0-39-59
                                           FINES(%) :0-35-100

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 76000          PROSPECTIVE VOLUME :
CLASS 2 :/76000/              PROVEN VOLUME :                      TOTAL RECOVERABLE : 76000
CLASS 3 :                      PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
155	11/09/86	107C/2W	555000	7682000	SAND & GRAVEL- some silty sand	GLACIOFLUVIAL
155	/ /	107C/2W	554000	7682500	SAND- some gravel, little silt	GLACIOFLUVIAL
155N	09/11/86	107C/2W	554300	7682425	SAND & GRAVEL- some silt & clay	GLACIOFLUVIAL
155S	09/11/86	107C/2W	556250	7678550	SAND & GRAVEL- some silty sand	GLACIOFLUVIAL
170	07/22/77	107C/2E	578000	7674000	SAND- thin gravel, little silt	GLACIOFLUVIAL
171	07/22/77	107C/1W	584000	7672000	SAND- gravel	GLACIOFLUVIAL
172	07/22/77	107C/1W	579000	7669000	SAND- minor gravel	GLACIOFLUVIAL
173	07/22/77	107C/2E	569000	7664000	SAND- gravel, little silt	GLACIOFLUVIAL
174	07/21/77	107C/2E	566000	7663000	SAND- gravel- some silt	GLACIOFLUVIAL
175	07/21/77	107C/2E	560000	7658000	SAND- localized gravel	GLACIOFLUVIAL
176	07/21/77	107C/2W	558000	7662000	SAND- gravel	GLACIOFLUVIAL
304	/ /	107C/2	574000	7671500	GRAVEL- sand	GLACIOFLUVIAL
305	/ /	107C/2	570000	7662500	SAND & GRAVEL- trace silt	GLACIOFLUVIAL
306	/ /	107C/2	567000	7663000	GRAVEL- sand	GLACIOFLUVIAL
307	/ /	107C/2	563000	7657000	GRAVEL & SAND- trace silt	GLACIOFLUVIAL
308	/ /	107C/2	560000	7658000	GRAVEL- little sand, SAND- gravel	GLACIOFLUVIAL
310A	/ /	107C/2	548000	7657000	SAND- silt, trace gravel	GLACIOFLUVIAL; LACUST

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I72RKL-Z1	LOCAL NAMES	: 155	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 155			NTS MAP REFERENCE	: 107C/2W
STUDY ORDER	: 187H-1553, 186H-S11, 186H-MS2			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: 187H-1553, 186H-S11, 186H-MS2			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: RKL73Z1				

----- Location Details -----

LOCATION	: 34 KM SW OF TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	: MACKENZIE ICE ROAD	CENTRE EASTING(UTM)	: 554000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7682500
OFFSET DISTANCE	:	OFFSET DIRECTION	:
ACCESS LENGTH	: 0	KILOMETRE-POST	: 0.0
SOURCE ACCESS	: ALONG KITTIGAZUIT CREEK THEN OVERLAND		

CONDITION	: WINTER ICE ROAD	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(B)- INUVIK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 36000
PAST USE	:	AREA	: 125
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; RECONN; DELINEATION; PRODUCTION	LAST INVESTIGATION DATE	: 1972
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 2	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	: 0-0.3-0.6	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 0.6	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GRADUAL TO STEEP			LANDFORM	: BENCH
AREA DRAINAGE	: WELL			TOPOGRAPHY	: ROLLING, NUMEROUS LA
VEGETATION	: MOSS AND LICHENS, SCATTERED DWARF BIRCH AND WILLOW				
PERMAFROST FEATURES	: MASSIVE GROUND ICE				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND- some gravel, little silt	OVERBURDEN THICKNESS	: 0.3
GRANULAR THICKNESS	: 0.9-1.2-1.5	OVERBURDEN TYPE	: SILT- organic
DEVELOP. POTENTIAL	: POOR	UNDERBURDEN TYPE	: MASSIVE ICE
DEVELOP. CONSTRAINTS	: SILTATION; ENVIRONMENTAL CONCERNS; HIGH ICE CONTENT; MACKENZIE REINDEER		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: OL/SM-SP/Sm	D-50	: 000260-000290-000320
CLASSIFICATION #	: 2	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	: 20-22-24
SIEVE ANAL. #	: 2	SAND(%)	: 55-68-80
PETROGR. NO.:RESULTS	:	FINES(%)	: 2-16-29
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 760000	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 760000
CLASS 3	: /760000/760000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I86H-MS2	LOCAL NAMES : KITTIGAZUIT CREEK	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 155		NTS MAP REFERENCE : 107C/2W
STUDY ORDER : I86H-S11, I86H-1553, I72RKL-Z1		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-S11, I86H-1553, I72RKL-Z1		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HBT86TR		

----- Location Details -----

LOCATION : KITTIGAZUIT CREEK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 555000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7682000
OFFSET DISTANCE : 10000;5000	OFFSET DIRECTION : L/R
ACCESS LENGTH : 5000	KILOMETRE-POST : 40.0
SOURCE ACCESS : 5 KM OVERLAND	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(B)- INUVIK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 50000
PAST USE : STOCKPILING 1986; TESTPITS RKL	AREA : 34
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : UNKNOWN	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; PRODUCTION; DELINEATION	LAST INVESTIGATION DATE : 1986
GEOPHYSICAL DATA : UNKNOWN	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.9-1.1-1.3	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.8-1.1-1.3	SITE DESCRIPTION DATE : 11/09/86	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : SIMPLE, FLAT-GENTLE		LANDFORM : OUTWASH PLAIN; KAME; T
AREA DRAINAGE : MODERATE TO WELL		TOPOGRAPHY : FLAT-TOPPED RIDGES &
VEGETATION : SHRUB HEATH TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE LAYERS AND POLYGON ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND & GRAVEL- some silty sand	OVERBURDEN THICKNESS : 0.1-0.4-0.6
GRANULAR THICKNESS : 0.8-1.0-1.2	OVERBURDEN TYPE : PEAT- over silt, fine sand
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : SAND- trace silt
DEVELOP. CONSTRAINTS : STREAM SILTATION; WINTER ACCESS ONLY; DRAINAGE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt/Sp/		D-50 : 000050-004100-008000
CLASSIFICATION # : 4		OVERSIZE(%) : UNKNOWN
PETRO NO. : 1	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 6-32-54
SIEVE ANAL. # : 4	MOISTURE(%) : RESULTS : NONE	SAND(%) : 40-58-80
PETROGR. NO.:RESULTS : 101		FINES(%) : 6-10-14
OTHER TESTS : LA ABRASIO-01-17.4; SULPH_SD MG-01-3.64; ORGAN_PLATE-01-5;		
ABSORPTION%-01-1.17; SPEC_G_BSSD-01-2.61		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 1600000	PROSPECTIVE VOLUME :
CLASS 2 : 330000//	PROVEN VOLUME :	TOTAL RECOVERABLE : 1600000
CLASS 3 : 531000/1160000/2600000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 50000
CLASS 4 : 42000//		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:187H-1553	LOCAL NAMES	:KITITGAZUIT CREEK	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:155N			NTS MAP REFERENCE	:107C/2W
STUDY ORDER	:186H-S11, 186H-MS2, 173RKL-Z1			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:186H-S11, 186H-MS2, 173RKL-Z1			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:HBT87TD				

----- Location Details -----

LOCATION	:35 KM SW TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:MACKENZIE ICE ROAD	CENTRE EASTING(UTM)	:554300
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7682425
OFFSET DISTANCE	:10000;5000	OFFSET DIRECTION	:L/R
ACCESS LENGTH	: 5000	KILOMETRE-POST	: 40.0
SOURCE ACCESS	:5 KM OVERLAND		

CONDITION	:WINTER ICE ROAD	DIGITIZER NUMBER	:
LAND TENURE	:INUVIALUIT 7(1)(B)- INUVIK	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:50000
PAST USE	:EXPLORATION RKL 1972;STOCKPILI	AREA	: 34
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:UNKNOWN	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA	:NONE	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 48	TESTPITS:NUMBER	: 1	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:1.8-3.7-6.1	TESTPITS:DEPTH	:1.2	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:0.8-1.1-1.3	SITE DESCRIPTION DATE	:09/11/86	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:MODERATE-STEEP AT PERIMTR	LANDFORM	:OUTWASH PLAIN;TERRAC		
AREA DRAINAGE	:N- MODERATE TO WELL	TOPOGRAPHY	:FLAT TOPPED PLATEAU		
VEGETATION	:SHRUB HEATH TUNDRA				
PERMAFROST FEATURES	:WELL BONDED SANDS;MASSIVE ICE;ICE WEDGE POLYGONS				

----- Source Stratigraphy -----

GRANULAR TYPE	:SAND & GRAVEL-some silt & clay	OVERBURDEN THICKNESS	:--1.5
GRANULAR THICKNESS	:2.9	OVERBURDEN TYPE	:PEAT- silty inter- or underlay
DEVELOP. POTENTIAL	:GOOD	UNDERBURDEN TYPE	:FROZEN FINE SAND
DEVELOP. CONSTRAINTS	:WATERWAY SILTATION; MASSIVE ICE CREATES THAW PONDS; REQUIRES PIT MANAGEMENT		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:SM-SC/SP-GP/GW	D-50	:003000-035000-020000
CLASSIFICATION #	: 57	OVERSIZE(%)	:LOW
PETRO NO.	: 4	GRAVEL(%)	:6-38-88
SIEVE ANAL. #	: 51	SAND(%)	:7-46-65
PETROGR. NO.:RESULTS	:130-192-224	FINES(%)	:5-16-30
OTHER TESTS	:LA_ABRASION-02-21.3; ORGAN_CONT-02-4.5; SOIL_SAL-05-1.56		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME	: 388000	PROSPECTIVE VOLUME	:
CLASS 2 :47000//	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 388000
CLASS 3 :312000//	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 160000
CLASS 4 :29000//				
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :187H-1553	LOCAL NAMES :KITTIGAZUIT CREEK	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :155S		NTS MAP REFERENCE :107C/2W
STUDY ORDER :186H-S11, 186H-MS2, 172RKL-Z1		MAP DIGITIZER NUMBER :
STUDY REFERENCE :186H-S11, 186H-MS2, 172RKL-Z1		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :HBT87TD		

----- Location Details -----

LOCATION :35 KM SW OF TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :556250
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7678550
OFFSET DISTANCE :10000;7000	CENTRE LATITUDE :69.20750
ACCESS LENGTH :10000	CENTRE LONGITUDE :133.57333
SOURCE ACCESS :10 KM OVERLAND	OFFSET DIRECTION :L/R
	KILOMETRE-POST : 40.0

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :INUUVIALUIT 7(1)(B)- INUVIK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :50000
PAST USE :EXPLORATION RKL 1972;STOCKPILI	AREA : 34
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :UNKNOWN	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :UNKNOWN	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 22	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :2.0-4.0-6.1	TESTPITS:DEPTH :0.8	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :0.8-1.1-1.3	SITE DESCRIPTION DATE :09/11/86	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :MODERATE-STEEP AT PERIMTR		LANDFORM :KAME;OUTWASH TERRACE
AREA DRAINAGE :MODERATE TO WELL		TOPOGRAPHY :BROAD, FLAT TOPPED R
VEGETATION :SHRUB HEATH TUNDRA		
PERMAFROST FEATURES :MASSIVE ICE;WELL BONDED SANDS		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND & GRAVEL- some silty sand	OVERBURDEN THICKNESS :--2.1
GRANULAR THICKNESS :3.9	OVERBURDEN TYPE :PEAT- silty clay, fine sand
DEVELOP. POTENTIAL :GOOD	UNDERBURDEN TYPE :FROZEN FINE SAND & MASSIVE ICE
DEVELOP. CONSTRAINTS :WATERWAY SILTATION; MASSIVE ICE CREATES THAW PONDS; REQUIRES PIT MANAGEMENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :SP-SM/GW-GP/GW	D-50 :004000-053000-380000
CLASSIFICATION # : 37	OVERSIZE(%) :LOW
PETRO NO. : 4	GRAVEL(%) :15-47-88
SIEVE ANAL. # : 28	SAND(%) :8-42-75
PETROGR. NO.:RESULTS :144-151-158	FINES(%) :4-10-25
OTHER TESTS :LA_ABRASION-02-19.1; ORGAN_CONT-02-4.75; SOIL_SAL-03-2.2	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 257500	PROSPECTIVE VOLUME :
CLASS 2 :1415000/1415000/1415000	PROVEN VOLUME :	TOTAL RECOVERABLE : 515000
CLASS 3 :109500/109500/109500	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 200000
CLASS 4 :6500/6500/6500		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :177H-MS          LOCAL NAMES :TUK AREA          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :170              CENTRE ZONE(UTM)  : 8
STUDY ORDER       :I86H-S11         CENTRE EASTING(UTM) :578000
STUDY REFERENCE   :I86H-S11         CENTRE NORTHING(UTM):7674000
SOURCE REFERENCE  :RMH77T           MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000        KILOMETRE-POST      : 32.0

----- Location Details -----

LOCATION           :32 KM S OF TUK    CENTRE LATITUDE :69.16667
CORRIDOR NAME     :WINTER ICE ROAD   CENTRE LONGITUDE:133.00000
CORRIDOR NUMBER   :                  OFFSET DIRECTION :L
OFFSET DISTANCE   :4800              KILOMETRE-POST  : 32.0
ACCESS LENGTH     : 4800
SOURCE ACCESS     :OVERLAND

-----

CONDITION         :WINTER ICE ROAD   DIGITIZER NUMBER :
LAND TENURE       :INUIALUIT 7(1)(A)&(B)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE    :                  SITE PLAN SCALE :56400
PAST USE          :                  AREA : 211
STOCKPILE QUANTITY :                  EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                  -FOR PIPELINE : 0
                                      PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS; SUMMARY LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0                TESTPITS:NUMBER : 4                EXPOSURES:NUMBER : 0                DATA QUALITY :
BOREHOLES:DEPTH  :                  TESTPITS:DEPTH :1.2-1.3-1.4 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.6-0.9 SITE DESCRIPTION DATE :07/22/77    GENERIC ORIGIN :GLAVIOFLUVIAL
SLOPE                  :GRADUAL      LANDFORM         :OUTWASH PLAIN
AREA DRAINAGE          :EXCELLENT    TOPOGRAPHY       :ROLLING, HUMMOCKY
VEGETATION             :DWARF BIRCH, WILLOW, MOSS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- thin gravel, little silt OVERBURDEN THICKNESS :0--1.5
GRANULAR THICKNESS     :9.1          OVERBURDEN TYPE      :SILT- peat with rootlets
DEVELOP. POTENTIAL     :FAIR         UNDERBURDEN TYPE    :
DEVELOP. CONTRASTS    :DISTANCE; DETAILED EXPLORATION

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

----- Test Results -----

UNIFIED SOIL:CLASS    :Pt-Cl/Sm-Sp/Gp-Gm-GW
CLASSIFICATION #      : 1
PETRO NO.             : 0                MOISTURE(%):NUMBER : 0
SIEVE ANAL. #        : 1                MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS :
OTHER TESTS           :ORGAN_PATE-01-3

D-50                  :004600
OVERSIZE(%)          :
GRAVEL(%)             :51.4
SAND(%)               :46.9
FINES(%)              :1.7

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :/4560000/
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 4560000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 4560000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I77H-MS	LOCAL NAMES : ESKIMO LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 171		NTS MAP REFERENCE : 107C/1W
STUDY ORDER : I86H-SI1		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-SI1		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RMH77T		

----- Location Details -----

LOCATION : 35.2 KM S OF TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : WINTER ICE ROAD	CENTRE EASTING(UTM) : 584000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7672000
OFFSET DISTANCE : 0;0	CENTRE LATITUDE : 69.16667
ACCESS LENGTH : 0	CENTRE LONGITUDE : 132.88333
SOURCE ACCESS : ALONG PROPOSED TUK-INVUIK HIGHWAY ROUTE	OFFSET DIRECTION : L/R
	KILOMETRE-POST : 35.2

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : INVUIALUIT 7(1)(B)- TUK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 56400
PAST USE :	AREA : 106
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS	LAST INVESTIGATION DATE : 1977
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.1-1.2-1.2	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.3-0.6-0.9	SITE DESCRIPTION DATE : 07/22/77	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : OUTWASH PLAIN; KAME C
AREA DRAINAGE : GOOD		TOPOGRAPHY : HUMMOCKY, ROLLING
VEGETATION : SHRUBBY TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE POSSIBLY		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- gravel	OVERBURDEN THICKNESS : --2.1
GRANULAR THICKNESS : 6.1	OVERBURDEN TYPE : SILT
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : ICE
DEVELOP. CONSTRAINTS : EASIER ACCESS IF HIGHWAY CONSTRUCTED; NEEDS DETAILED EXPLORATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS : ML/SP-SW/GW	D-50 : 001500
CLASSIFICATION # : 1	OVERSIZE(%) :
PETRO NO. : 0	GRAVEL(%) : 40.1
SIEVE ANAL. # : 1	SAND(%) : 58.7
PETROGR. NO.:RESULTS :	FINES(%) : 1.2
OTHER TESTS : ORGAN_PLATE-01-3	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 1520000	PROSPECTIVE VOLUME :
CLASS 2 : /1520000/	PROVEN VOLUME :	TOTAL RECOVERABLE : 1520000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I77H-MS          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER      :
SOURCE NUMBER(S)  :172              CENTRE LATITUDE :69.11667      CENTRE EASTING(UTM)    :579000
STUDY ORDER       :I86H-SI1         CENTRE LONGITUDE:132.95000   CENTRE NORTHING(UTM)   :7669000
STUDY REFERENCE   :I86H-SI1         OFFSET DIRECTION :L          KILOMETRE-POST         : 36.8
SOURCE REFERENCE   :RMH77T

----- Location Details -----

LOCATION            :36.8 KM S OF TUK
CORRIDOR NAME     :WINTER ICE ROAD
CORRIDOR NUMBER   :
OFFSET DISTANCE   :1600
ACCESS LENGTH     : 1600
SOURCE ACCESS     :

CENTRE ZONE(UTM)  : 8
CENTRE EASTING(UTM) :579000
CENTRE NORTHING(UTM):7669000
OFFSET DIRECTION  :L
KILOMETRE-POST    : 36.8

-----

CONDITION          :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE        :INUVALUIT 7(1)(B)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE     :                     SITE PLAN SCALE :56400
PAST USE           :                     AREA : 106
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS      LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                           TEST HOLE DENSITY      :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :1.1-1.2-1.2 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.6-0.9      SITE DESCRIPTION DATE :07/22/77      GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL           LANDFORM        :OUTWASH PLAIN;KAME C
AREA DRAINAGE          :GOOD              TOPOGRAPHY      :HUMMOCKY, ROLLING
VEGETATION             :SHRUBBY TUNDRA
PERMAFROST FEATURES    :MASSIVE ICE POSSIBLY

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- minor gravel      OVERBURDEN THICKNESS :0.9-2.0-3.1
GRANULAR THICKNESS     :4.6                   OVERBURDEN TYPE      :PEAT- rootlets
DEVELOP. POTENTIAL     :FAIR                   UNDERBURDEN TYPE     :ICE
DEVELOP. CONSTRAINTS   :DISTANCE; LOW VOLUME

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

----- Test Results -----

UNIFIED SOIL:CLASS     :/GW-SP/SW
CLASSIFICATION #       : 1
PETRO NO.              : 0                     MOISTURE(%):NUMBER : 0
SIEVE ANAL. #         : 1                     MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS  :
OTHER TESTS            :ORGAN_PLATE-01-5

D-50                   :002500
OVERSIZE(%)           :
GRAVEL(%)              :39.1
SAND(%)                :37.4
FINES(%)               :2.2

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :/912000/
CLASS 5 :

TOTAL VOLUME : 912000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 912000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER	:177H-MS	LOCAL NAMES	:TUK HIGHWAY AREA
SOURCE NUMBER(S)	:173	NEW SOURCE NUMBER	:
STUDY ORDER	:186H-S11	NTS MAP REFERENCE	:107C/2E
STUDY REFERENCE	:186H-S11	MAP DIGITIZER NUMBER	:
SOURCE REFERENCE	:RMH77T	MAP LOC./PLAN SCALE	: 250000
----- Location Details -----			
LOCATION	:44.8 KM S OF TUK	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:WINTER ICE ROAD	CENTRE EASTING(UTM)	:569000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7664000
OFFSET DISTANCE	:4800	CENTRE LATITUDE	:69.15000
ACCESS LENGTH	: 4800	CENTRE LONGITUDE	:133.25000
SOURCE ACCESS	:	OFFSET DIRECTION	:L
		KILOMETRE-POST	: 44.8

CONDITION	:WINTER ICE ROAD	DIGITIZER NUMBER	:
LAND TENURE	:INUVALUIT 7(1)(8)- TUK	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:56400
PAST USE	:	AREA	: 53
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:
===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====			
INVESTIGATION LEVEL	:AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS; DPW RESEARCH	LAST INVESTIGATION DATE	:1977
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:
----- Subsurface Data -----			
BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 2
BOREHOLES:DEPTH	:	EXPOSURES:NUMBER	: 0
		TESTPITS:DEPTH	:1.2-1.2-1.2
		EXPOSURES:DEPTH	:
		DATA QUALITY	:
----- Source Description -----			
ACTIVE LAYER THICKNESS	:0.3-0.6-0.9	SITE DESCRIPTION DATE	:07/22/77
SLOPE	:GRADUAL	GENERIC ORIGIN	:GLACIOFLUVIAL
AREA DRAINAGE	:EXCELLENT	LANDFORM	:OUTWASH PLAIN;KAME C
VEGETATION	:SHRUBBY TUNDRA	TOPOGRAPHY	:ROLING, HUMMOCKY
PERMAFROST FEATURES	:MASSIVE ICE PROBABLY		
----- Source Stratigraphy -----			
GRANULAR TYPE	:SAND- gravel, little silt	OVERBURDEN THICKNESS	:0--2.7
GRANULAR THICKNESS	:4.6	OVERBURDEN TYPE	:PEAT- silt, little rootlets
DEVELOP. POTENTIAL	:FAIR	UNDERBURDEN TYPE	:ICE
DEVELOP. CONSTRAINTS	:DISTANCE; SMALL VOLUME		
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS	:Pt/SP-SW/GP-GW	D-50	:012000
CLASSIFICATION #	: 1	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:73.6
SIEVE ANAL. #	: 1	SAND(%)	:24.6
PETROGR. NO.:RESULTS	:	FINES(%)	:1.8
OTHER TESTS	:ORGAN_PLATE-01-3		
----- Material Quantity -----			
CLASS 1	:/684000/	TOTAL VOLUME	: 684000
CLASS 2	:	PROVEN VOLUME	:
CLASS 3	:	PROBABLE VOLUME	:
CLASS 4	:	PROSPECTIVE VOLUME	:
CLASS 5	:	TOTAL RECOVERABLE	: 684000
		ANNUAL RECOVERABLE	: 0

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I77H-MS          LOCAL NAMES :TUK HIGHWAY AREA      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :174              CENTRE EASTING(UTM) :566000
STUDY ORDER       :I86H-S11         CENTRE NORTHING(UTM):7663000
STUDY REFERENCE   :I86H-S11         MAP DIGITIZER NUMBER :
SOURCE REFERENCE  :RMH77T           MAP LOC./PLAN SCALE  : 250000

----- Location Details -----

LOCATION           :40 KM S OF TUK      CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :WINTER ICE ROAD     CENTRE LONGITUDE :69.06667
CORRIDOR NUMBER  :                     CENTRE LONGITUDE :133.28333
OFFSET DISTANCE  :4800                OFFSET DIRECTION     :L
ACCESS LENGTH    : 4800                KILOMETRE-POST       : 40.0
SOURCE ACCESS    :

-----

CONDITION        :WINTER ICE ROAD     DIGITIZER NUMBER :
LAND TENURE       :CROWN & INUVIALUIT 7(1)(B)-TUK STATUS :UNDEVELOPED
STOCKPILE TYPE    :                     SITE PLAN SCALE :56400
PAST USE          :                     AREA : 424
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS    LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                           TEST HOLE DENSITY      :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 4          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.8-1.1-1.8 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.6-0.9    SITE DESCRIPTION DATE :07/21/77    GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM          :OUTWASH PLAIN;KAME C
AREA DRAINAGE          :EXCELLENT        TOPOGRAPHY       :ROLLING, HUMMOCKY
VEGETATION             :DWARF BIRCH AND WILLOW, MOSS
PERMAFROST FEATURES    :MASSIVE ICE PROBABLY

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel- some silt    OVERBURDEN THICKNESS :VARIABLE
GRANULAR THICKNESS     :4.6                    OVERBURDEN TYPE       :SILT
DEVELOP. POTENTIAL     :GOOD                    UNDERBURDEN TYPE      :ICE
DEVELOP. CONSTRAINTS  :DISTANCE; DIFFICULT TERRAIN; NEEDS MORE EXPLORATION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :Pt-ML/SC/GP-GW
CLASSIFICATION #       : 2
PETRO NO.              : 0                      MOISTURE(%):NUMBER : 0
SIEVE ANAL. #         : 2                      MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS  :
OTHER TESTS            :ORGAN_PLATE-02-4

D-50                   :005000-010000-015000
OVERSIZE(%)           :0-3-7
GRAVEL(%)              :52-59-66
SAND(%)                :25-34-44
FINES(%)               :3-4-5

----- Material Quantity -----

CLASS 1 :
CLASS 2 :/3268000/
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 3268000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 3268000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I77H-MS          LOCAL NAMES :TUK HIGHWAY AREA      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :175              CENTRE LATITUDE :69.05000      NTS MAP REFERENCE :107C/2E
STUDY ORDER       :I86H-S11         CENTRE LONGITUDE :133.43333   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11         OFFSET DISTANCE :11200      MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RMH77T           ACCESS LENGTH   :11200      KILOMETRE-POST      : 49.6
----- Location Details -----
LOCATION            :49.6 KM SW OF TUK
CORRIDOR NAME     :WINTER ICE ROAD
CORRIDOR NUMBER   :
OFFSET DISTANCE   :11200
ACCESS LENGTH     :11200
SOURCE ACCESS     :
CENTRE EASTING(UTM) :560000
CENTRE NORTHING(UTM):7658000
OFFSET DIRECTION  :L
-----
CONDITION         :WINTER ICE ROAD    DIGITIZER NUMBER :
LAND TENURE       :CROWN              STATUS :UNDEVELOPED
STOCKPILE TYPE    :                   SITE PLAN SCALE :57600
PAST USE          :                   AREA : 106
STOCKPILE QUANTITY :                   EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                   -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :
===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS    LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                           TEST HOLE DENSITY :
----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.6-1.2-1.8 EXPOSURES:DEPTH :
----- Source Description -----
ACTIVE LAYER THICKNESS :0.3-0.6-0.9    SITE DESCRIPTION DATE :07/21/77    GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM :OUTWASH PLAIN
AREA DRAINAGE          :EXCELLENT        TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION             :DWARF BIRCH AND WILLOW, MOSS
PERMAFROST FEATURES    :MASSIVE ICE PROBABLY
----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- localized gravel    OVERBURDEN THICKNESS :0--1.5
GRANULAR THICKNESS     :6.1                    OVERBURDEN TYPE :PEAT
DEVELOP. POTENTIAL     :UNSUITABLE              UNDERBURDEN TYPE :ICE
DEVELOP. CONSTRAINTS   :SANDY DEPOSIT; DISTANCE
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :Pt/GP/SM-SP
CLASSIFICATION #       : 3
PETRO NO.              : 0          MOISTURE(%):NUMBER : 0
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :
PETROGR. NO.:RESULTS  :
OTHER TESTS           :ORGAN_PLATE-01-3
D-50                  :010000
OVERSIZE(%)           :0
GRAVEL(%)              :58.3
SAND(%)                :36.7
FINES(%)              :5
----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :/1520000/
CLASS 5 :
TOTAL VOLUME : 1520000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 1520000
ANNUAL RECOVERABLE : 0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I77H-MS          LOCAL NAMES :TUK HIGHWAY AREA      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :176              CENTRE LATITUDE :69.06667      NTS MAP REFERENCE :107C/2W
STUDY ORDER      :                  CENTRE LONGITUDE :133.53333    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  KILOMETRE-POST   : 48.0
SOURCE REFERENCE  :RMH77T

----- Location Details -----

LOCATION           :48 KM SW OF TUK      CENTRE ZONE(UTM) : 8
CORRIDOR NAME    :WINTER ICE ROAD      CENTRE EASTING(UTM) :558000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM):7662000
OFFSET DISTANCE  :14400                 OFFSET DIRECTION  :L
ACCESS LENGTH    :14400                 KILOMETRE-POST   : 48.0
SOURCE ACCESS    :OVERLAND

-----

CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :CROWN & INUVIALUIT 7(1)(B)-IN STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :56400
PAST USE         :                      AREA : 848
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS; LAB ANALYSIS      LAST INVESTIGATION DATE :1977
GEOPHYSICAL DATA   :                                              TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 5          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.6-1.6-3.7 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.9 >          SITE DESCRIPTION DATE :07/21/77      GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM        :OUTWASH PLAIN
AREA DRAINAGE          :GOOD            TOPOGRAPHY     :ROLLING, HUMMOCKY
VEGETATION             :DWARF BIRCH AND WILLOW, MOSS
PERMAFROST FEATURES    :MASSIVE ICE PROBABLY

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel      OVERBURDEN THICKNESS :THIN
GRANULAR THICKNESS     :6.1              OVERBURDEN TYPE      :PEAT- some silt
DEVELOP. POTENTIAL     :EXCELLENT        UNDERBURDEN TYPE    :ICE
DEVELOP. CONSTRAINTS  :DISTANCE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :Pt-ML/Sc/GP-GW      D-50              :012000-013500-015000
CLASSIFICATION #       : 2                  OVERSIZE(%)       :0-2-5
PETRO NO.              : 0                  MOISTURE(%) :NUMBER : 0          GRAVEL(%)         :59-67-75
SIEVE ANAL. #         : 2                  MOISTURE(%) :RESULTS :          SAND(%)          :22-24-34
PETROGR. NO.:RESULTS  :                    FINES(%)          :2-3-3
OTHER TESTS            :ORGAN_PLATE-01-5

----- Material Quantity -----

CLASS 1 :/6080000/      TOTAL VOLUME      : 6080000      PROSPECTIVE VOLUME :
CLASS 2 :                PROVEN VOLUME :                TOTAL RECOVERABLE : 6080000
CLASS 3 :                PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :TUKTOYAKTUK          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :304                  NTS MAP REFERENCE :107C/2
STUDY ORDER       :I86H-S11            MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11            MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE  :RKL73Z3

----- Location Details -----
LOCATION           :6.7 KM S TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD    CENTRE EASTING(UTM)  :574000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7671500
OFFSET DISTANCE  :                      CENTRE LONGITUDE :133.08333
ACCESS LENGTH    : 0                    OFFSET DIRECTION     :
SOURCE ACCESS    :                      KILOMETRE-POST       : 0.0

-----
CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA : 21
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0                    TESTPITS:NUMBER : 2                    EXPOSURES:NUMBER : 0                    DATA QUALITY :
BOREHOLES:DEPTH :                      TESTPITS:DEPTH :0.6-0.9-1.2 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :1.2              SITE DESCRIPTION DATE : / /              GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM        :ESKER REMNANT
AREA DRAINAGE          :MODERATE         TOPOGRAPHY     :HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 1.2 M, GRASS
PERMAFROST FEATURES   :THERMOKARSTIC

----- Source Stratigraphy -----
GRANULAR TYPE         :GRAVEL- sand      OVERBURDEN THICKNESS :-0.3-
GRANULAR THICKNESS    :--3.0             OVERBURDEN TYPE      :SILT- organic peat
DEVELOP. POTENTIAL    :POOR              UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS :IMPORTANT WILDLIFE AREA; NEAR SEVERAL LARGER DEPOSITS

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :OL/SP-GW/GW      D-50              :016000
CLASSIFICATION #      : 1                OVERSIZE(%)       :
PETRO NO.             : 0                GRAVEL(%)         :66
SIEVE ANAL. #        : 0                SAND(%)           :32
PETROGR. NO.:RESULTS :                  FINES(%)          :2
OTHER TESTS          :

----- Material Quantity -----
CLASS 1 :                      TOTAL VOLUME : 45600          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                TOTAL RECOVERABLE : 45600
CLASS 3 :/45600/45600          PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :305                  NTS MAP REFERENCE :107C/2
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----

LOCATION           :41.8 KM S TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)   :570000
CORRIDOR NUMBER  :                       CENTRE NORTHING(UTM)  :7662500
OFFSET DISTANCE  :                       CENTRE LONGITUDE :133.16667
ACCESS LENGTH    : 0                     OFFSET DIRECTION      :
SOURCE ACCESS    :                       KILOMETRE-POST       : 0.0

-----

CONDITION        :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE   :                       SITE PLAN SCALE :36000
PAST USE         :                       AREA :2007
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA  :                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 6          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :4.6-4.6-4.6 TESTPITS:DEPTH :0.6-0.7-0.7 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.8          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE TO GRADUAL LANDFORM :KAME;OUTWASH PLAIN
AREA DRAINAGE          :MODERATE      TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 1.2 M
PERMAFROST FEATURES    :POLYGONAL ICE WEDGES;MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND & GRAVEL- trace silt          OVERBURDEN THICKNESS :0.2-0.3-0.5
GRANULAR THICKNESS     :0.6-2.8-4.6          OVERBURDEN TYPE :SILT- organics, peat, roots
DEVELOP. POTENTIAL     :SUITABLE            UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS  :CRITICAL CARIBOU CALVING AREA- CWS APPROVAL; PIT MANAGEMENT

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-ML/SM-GW/GP-SW          D-50 :001700-006900-018000
CLASSIFICATION # : 14          OVERSIZE(%) :
PETRO NO. : 1          MOISTURE(%) :NUMBER : 14          GRAVEL(%) :33-55-75
SIEVE ANAL. # : 7          MOISTURE(%) :RESULTS :0-5-18          SAND(%) :22-41-62
PETROGR. NO.:RESULTS :172          FINES(%) :2-4-7
OTHER TESTS :

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 228000          PROSPECTIVE VOLUME :
CLASS 2 :/228000/228000          PROVEN VOLUME :          TOTAL RECOVERABLE : 228000
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :306                  NTS MAP REFERENCE :107C/2
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL7323             MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 1700000

----- Location Details -----
LOCATION           :42 KM S TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD   CENTRE EASTING(UTM)  :567000
CORRIDOR NUMBER  :                     CENTRE NORTHING(UTM) :7663000
OFFSET DISTANCE  :                     CENTRE LATITUDE :69.08333
ACCESS LENGTH    : 0                   CENTRE LONGITUDE :133.26667
SOURCE ACCESS    :                     OFFSET DIRECTION  :
KILOMETRE-POST   : 0.0

-----
CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- TUK STATUS :UNDEVELOPED
STOCKPILE TYPE   :                     SITE PLAN SCALE :36000
PAST USE         :                     AREA : 836
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA :                     TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 3                   TESTPITS:NUMBER : 2                   EXPOSURES:NUMBER : 0                   DATA QUALITY :
BOREHOLES:DEPTH :4.6-4.8-4.9          TESTPITS:DEPTH :0.9-0.9-0.9 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9             SITE DESCRIPTION DATE : / /           GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM        :KAME;OUTWASH PLAIN
AREA DRAINAGE          :MODERATE         TOPOGRAPHY     :IRREGULAR, HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.9 M;KAME TOPS BARE
PERMAFROST FEATURES    :THERMOKARSTIC;POLYGONAL ICE WEDGES;MASSIVE ICE

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL- sand     OVERBURDEN THICKNESS :0.3-0.4-0.5
GRANULAR THICKNESS     :0.9-2.9-4.9     OVERBURDEN TYPE      :SILT- organics, peat, roots
DEVELOP. POTENTIAL     :SUITABLE         UNDERBURDEN TYPE     :MASSIVE ICE
DEVELOP. CONSTRAINTS  :CRITICAL CARIBOU CALVING AREA- CWS APPROVAL; MASSIVE ICE

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL-ML/GP-GW/SW-SM
CLASSIFICATION #       : 10
PETRO NO.              : 1              MOISTURE(%):NUMBER : 10
SIEVE ANAL. #         : 5              MOISTURE(%):RESULTS :1-7-17
PETROGR. NO.:RESULTS  :150
OTHER TESTS           :
D-50                  :003500-007000-011000
OVERSIZE(%)          :
GRAVEL(%)             :32-57-74
SAND(%)               :26-40-60
FINES(%)              :0-4-9

----- Material Quantity -----
CLASS 1 :
CLASS 2 :/114000/114000
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 114000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 114000
ANNUAL RECOVERABLE : 0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :307                NTS MAP REFERENCE :107C/2
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                    MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE :RKL7323

----- Location Details -----

LOCATION           :55 KM S TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD    CENTRE EASTING(UTM)  :563000
CORRIDOR NUMBER  :                    CENTRE NORTHING(UTM) :7657000
OFFSET DISTANCE  :                    CENTRE LATITUDE :69.03333
ACCESS LENGTH    : 0                  CENTRE LONGITUDE :133.38333
SOURCE ACCESS    :                    KILOMETRE-POST      : 0.0

-----

CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :CROWN                STATUS :UNDEVELOPED
STOCKPILE TYPE   :                    SITE PLAN SCALE :36000
PAST USE         :                    AREA : 335
STOCKPILE QUANTITY :                    EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                    -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA   :                    TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 4          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH :0.6-3.6-4.6 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.6          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :              LANDFORM :KAME;OUTWASH PLAIN
AREA DRAINAGE          :MODERATE      TOPOGRAPHY :HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS, GRASS;TOP OF KAMES BARE
PERMAFROST FEATURES    :POLYGONAL ICE WEDGES;MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL & SAND- trace silt          OVERBURDEN THICKNESS :0.3-0.5-0.8
GRANULAR THICKNESS     :0.6-2.7-4.0          OVERBURDEN TYPE :SILT- organics, peat, roots
DEVELOP. POTENTIAL     :SUITABLE          UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS  :SENSITIVE WILDLIFE AREA; VARIABLE MATERIAL; MASSIVE ICE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-GP/SP-SM/GM-GW          D-50 :000120-005260-032000
CLASSIFICATION #       : 9          OVERSIZE(%) :
PETRO NO.              : 0          MOISTURE(%) :NUMBER : 9          GRAVEL(%) :0-35-71
SIEVE ANAL. #         : 9          MOISTURE(%) :RESULTS :1-34-191          SAND(%) :27-52-94
PETROGR. NO.:RESULTS  :                    FINES(%) :2-14-27
OTHER TESTS           :

----- Material Quantity -----

CLASS 1 :                    TOTAL VOLUME : 114000          PROSPECTIVE VOLUME :
CLASS 2 :                    PROVEN VOLUME :                    TOTAL RECOVERABLE : 114000
CLASS 3 :/114000/114000          PROBABLE VOLUME :                    ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :308                  NTS MAP REFERENCE :107C/2
STUDY ORDER      :                      MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                      MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL73Z3

----- Location Details -----
LOCATION           :51.5 KM S TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD     CENTRE EASTING(UTM)  :560000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7658000
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.03333
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :133.43333
SOURCE ACCESS    :                      OFFSET DIRECTION  :
                                           KILOMETRE-POST     : 0.0

-----
CONDITION        :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE      :CROWN                  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA : 84
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA  :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0                    TESTPITS:NUMBER : 2                    EXPOSURES:NUMBER : 0                    DATA QUALITY :
BOREHOLES:DEPTH  :                      TESTPITS:DEPTH :0.9-0.9-0.9 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9              SITE DESCRIPTION DATE : / /              GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL           LANDFORM :TERRACE REMNANT;KAME
AREA DRAINAGE          :MODERATE          TOPOGRAPHY :HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.9 M
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----
GRANULAR TYPE         :GRAVEL-little sand,SAND-gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS    :0.9                                      OVERBURDEN TYPE :
DEVELOP. POTENTIAL    :POOR                                     UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :CRITICAL WILDLIFE HABITAT; DISTANCE; MASSIVE ICE; FURTHER INVESTIGATION

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :/SM-GW/GP-SM
CLASSIFICATION #      : 2
PETRO NO.             : 1
SIEVE ANAL. #        : 2
PETROGR. NO.:RESULTS :172
OTHER TESTS           :
MOISTURE(%):NUMBER : 2
MOISTURE(%):RESULTS :1-1-2
D-50                 :001200-006100-011000
OVERSIZE(%)          :
GRAVEL(%)             :40-55-70
SAND(%)               :29-44-59
FINES(%)              :1-1-1

----- Material Quantity -----
CLASS 1 :                      TOTAL VOLUME : 15200          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                TOTAL RECOVERABLE : 15200
CLASS 3 :/15200/15200          PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :PARSON'S LAKE          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :310A                NTS MAP REFERENCE :107C/2
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL7323             MAP DIGITIZER NUMBER :
                                           MAP LOC./PLAN SCALE : 1700000

----- Location Details -----

LOCATION           :58 KM SW TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD    CENTRE EASTING(UTM)  :548000
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7657000
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.03333
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :133.73333
SOURCE ACCESS    :                      OFFSET DIRECTION  :
                                           KILOMETRE-POST      : 0.0

-----

CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :CROWN & INUVIALUIT 7(1)(B)-INU STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :36000
PAST USE         :                      AREA : 42
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 2                    TESTPITS:NUMBER : 2                    EXPOSURES:NUMBER : 0                    DATA QUALITY :
BOREHOLES:DEPTH :4.6-4.6-4.6          TESTPITS:DEPTH :1.1-1.1-1.2 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :1.2              SITE DESCRIPTION DATE : / /              GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GRADUAL TO STEEP LANDFORM :KAME;ESKER;OUTWASH P
AREA DRAINAGE          :MODERATE          TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.6 M, GRASS
PERMAFROST FEATURES    :POLYGONAL ICE WEDGES;MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- silt, trace gravel OVERBURDEN THICKNESS :0.3-0.3-0.3
GRANULAR THICKNESS     :0.9-1.1-1.2          OVERBURDEN TYPE :SILT- organics, roots, peat
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONTRASTS    :POOR QUALITY-HIGH ICE CONTENT; EROSION; CLOSER SUPERIOR SITES; MASSIVE ICE

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

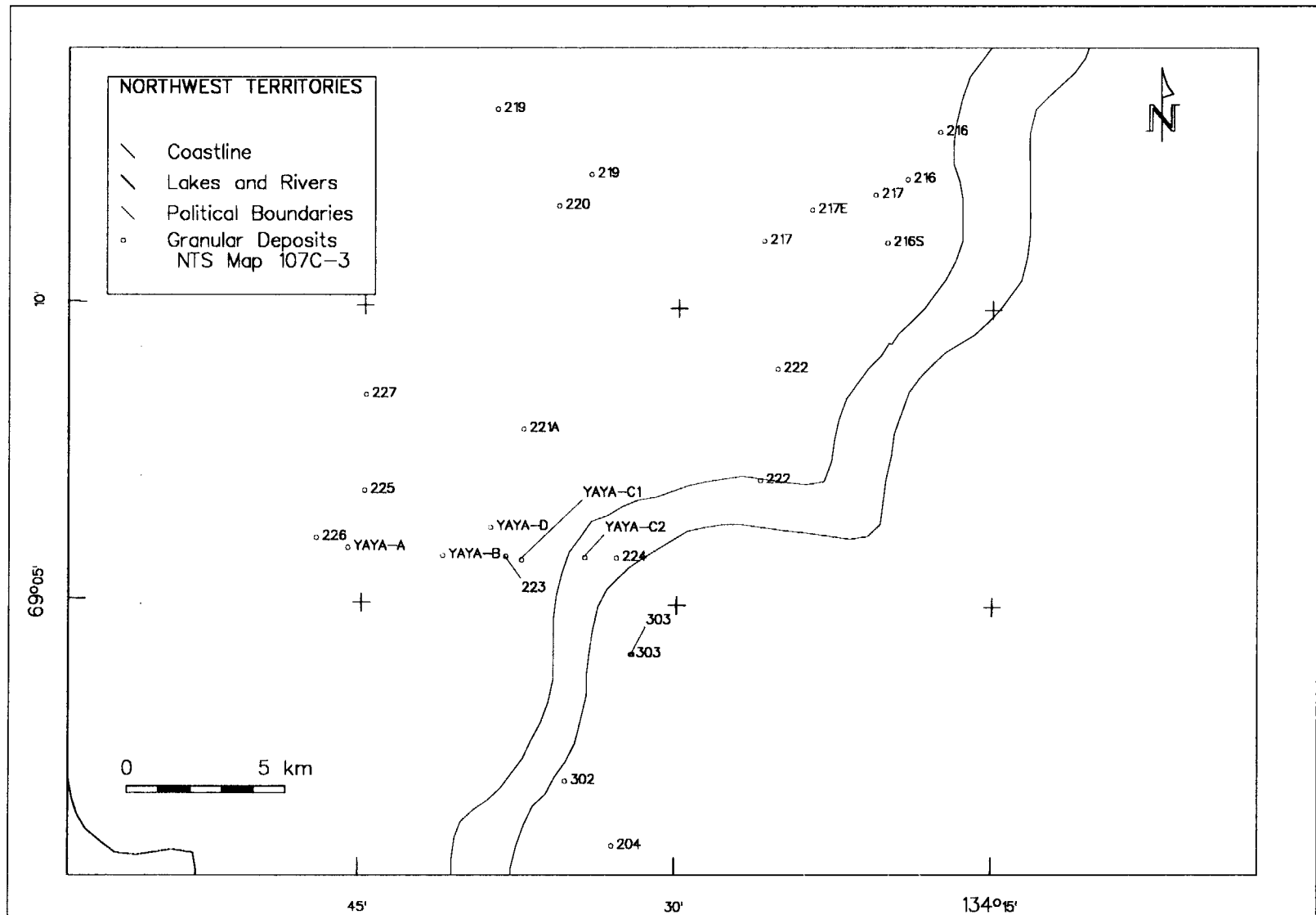
----- Test Results -----

UNIFIED SOIL:CLASS     :OL/SM/SP          D-50 :000300-000325-000350
CLASSIFICATION #       : 2                OVERSIZE(%) :
PETRO NO.              : 0                GRAVEL(%) :1-2-3
SIEVE ANAL. #          : 2                SAND(%) :94-95-96
PETROGR. NO.:RESULTS :                    FINES(%) :3-3-3
OTHER TESTS            :

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 0                    PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                      TOTAL RECOVERABLE : 0
CLASS 3 :                      PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```



DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
204	/ /	107C/3W	518000	7656000	SAND- gravel	GLACIOFLUVIAL
216	03/23/86	107C/3E	527000	7677000	SAND-variabl silt,trace gravel	GLACIOFLUVIAL
216	/ /	107C/3E	528000	7678500	SAND-little gravel,variab silt	GLACIOFLUVIAL
216S	03/22/86	107C/3E	526400	7675000	SAND- some silt	GLACIOFLUVIAL
217	03/21/86	107C/3E	522500	7675000	SAND- silt beds	GLACIOFLUVIAL
217	/ /	107C/3E	526000	7676500	SAND- trace gravel	GLACIOFLUVIAL
217E	03/22/86	107C/3E	524000	7676000	SILT- sand	GLACIOFLUVIAL
219	/ /	107C/3W	514000	7679000	GRAVEL & SAND- trace silt	GLACIOFLUVIAL
220	/ /	107C/3W	516000	7676000	SAND- some gravel	GLACIOFLUVIAL
221A	/ /	107C/3W	515000	7669000	SAND- silt	GLACIOFLUVIAL
222	02/02/76	107C/3E	522500	7667500	SAND & GRAVEL- little silt	GLACIOFLUVIAL
222	/ /	107C/3E	523000	7671000	SAND- some gravel, trace silt	GLACIOFLUVIAL
223	/ /	107C/3W	514500	7665000	GRAVEL- sand	GLACIOFLUVIAL
224	/ /	107C/3W	518000	7665000	GRAVEL- sand	GLACIOFLUVIAL
225	/ /	107C/3W	510000	7667000	SAND- gravel, trace silt	GLACIOFLUVIAL
226	/ /	107C/3W	508500	7665500	SAND-some gravel; GRAVEL- sand	GLACIOFLUVIAL
227	/ /	107C/3W	510000	7670000	SAND- some gravel, trace silt	GLACIOFLUVIAL
302	/ /	107C/3	516500	7658000	GRAVEL & SAND	GLACIOFLUVIAL
303	/ /	107C/3	518550	7662000	SAND & GRAVEL- trace silt	GLACIOFLUVIAL
303	01/30/76	107C/3W	518500	7662000	SAND- gravel, some silt	GLACIOFLUVIAL
YAYA-A	04/19/75	107C/3	509500	7665200	SAND- gravel	GLACIOFLUVIAL;LACUST
YAYA-B	04/19/75	107C/3	512500	7665000	SAND- gravel	GLACIOFLUVIAL;LACUST
YAYA-C1	04/19/75	107C/3	515000	7664900	SAND- gravel	GLACIOFLUVIAL;LACUST
YAYA-C2	04/19/75	107C/3	517000	7665000	SAND- gravel	GLACIOFLUVIAL;LACUST
YAYA-D	04/19/75	107C/3	514000	7665900	SAND- gravel	GLACIOFLUVIAL;LACUST

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z2	LOCAL NAMES :RICHARDS ISLAND	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :204		NTS MAP REFERENCE :107C/3W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :W BANK EAST CHANNEL	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :518000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7656000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 88.5
SOURCE ACCESS :	
	CENTRE LATITUDE :69.01667
	CENTRE LONGITUDE :134.65000

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVALUIT 7(1)(A)- INUVIK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 63
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.8-1.2-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :TERRACE
AREA DRAINAGE :MODERATE		TOPOGRAPHY :RIDGE
VEGETATION :MOSS, LICHENS, SCATTERED SHRUBS;SOME SPRUCE ON SLOPES		
PERMAFROST FEATURES :MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- gravel	OVERBURDEN THICKNESS :0.6
GRANULAR THICKNESS :2.5	OVERBURDEN TYPE :ORGANIC
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :SILTATION;FISH SPAWNING;ARCHAEOLOGICAL SITE;MASSIVE ICE;MACKENZIE REINDEER	

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

----- Test Results -----

UNIFIED SOIL:CLASS :GM/SP-GW/SM-SW		D-50 :000700-002420-004500
CLASSIFICATION # : 4		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER : 4	GRAVEL(%) :20-41-62
SIEVE ANAL. # : 4	MOISTURE(%) :RESULTS :2-6-12	SAND(%) :42-59-78
PETROGR. NO.:RESULTS :147		FINES(%) :0-2-3
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 152000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 152000
CLASS 3 :/152000/152000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :186EBA-RI	LOCAL NAMES :LOUSY POINT, RICHARDS ISL	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :216		NTS MAP REFERENCE :107C/3E
STUDY ORDER :172RKL-Z2		MAP DIGITIZER NUMBER :
STUDY REFERENCE :172RKL-Z2		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :EBA86RI		

----- Location Details -----

LOCATION :2 KM S LOUSY POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :527000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7677000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	
CENTRE LATITUDE :69.20000	
CENTRE LONGITUDE :134.28333	

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :50000
PAST USE :RKL EXPLORATION	AREA : 106
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING STUDIES; LAB ANALYSIS	LAST INVESTIGATION DATE :1986
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 4	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :6.2-13.8-31.0	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/23/86	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :STEEP		LANDFORM :RIDGE
AREA DRAINAGE :		TOPOGRAPHY :RIDGE POCKETED WITH
VEGETATION :		
PERMAFROST FEATURES :MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND-variabl silt,trace gravel	OVERBURDEN THICKNESS :0.3-0.4-0.5
GRANULAR THICKNESS :-4.5-	OVERBURDEN TYPE :PEAT- organic silt
DEVELOP. POTENTIAL :UNKNOWN	UNDERBURDEN TYPE :SILT, ICE, TILL
DEVELOP. CONSTRAINTS :FURTHER RECONNAISSANCE; LIMITED QUANTITY	CLASS 4 MATERIAL

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-ML-GP/SM-SP/		D-50 :000150-000250-000540
CLASSIFICATION # : 34		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 34	GRAVEL(%) :0.3-6-13
SIEVE ANAL. # : 6	MOISTURE(%) :RESULTS :5-30-136	SAND(%) :79-87-96
PETROGR. NO.:RESULTS :		FINES(%) :2-7-21
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-22	LOCAL NAMES :RICHARDS IS, LOUSY POINT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :216		NTS MAP REFERENCE :107C/3E
STUDY ORDER :186EBA-RI		MAP DIGITIZER NUMBER :
STUDY REFERENCE :186EBA-RI		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :27 KM NE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :528000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7678500
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	
	CENTRE LATITUDE :69.21667
	CENTRE LONGITUDE :134.28333

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 56
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 7	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :4.6-5.2-9.1	TESTPITS:DEPTH :1.1-1.2-1.2	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :1.2	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :STEEP		LANDFORM :KAME;ESKER
AREA DRAINAGE :MODERATE		TOPOGRAPHY :RIDGE
VEGETATION :MOSS, LICHEN, SCATTERED DWARF SHRUBS;BARE PATCHES		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND-little gravel,variab silt	OVERBURDEN THICKNESS :0.3
GRANULAR THICKNESS :0.9-3.4-5.8	OVERBURDEN TYPE :OL (silt)
DEVELOP. POTENTIAL :SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; FURTHER TESTING	

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

----- Test Results -----

UNIFIED SOIL:CLASS :GP-OL/ML-SM-SP/SW		D-50 :000065-000612-002000
CLASSIFICATION # : 19		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 19	GRAVEL(%) :0-31-32
SIEVE ANAL. # : 12	MOISTURE(%) :RESULTS :3-14-36	SAND(%) :43-75-98
PETROGR. NO.:RESULTS :		FINES(%) :0-15-57
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 228000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 228000
CLASS 3 :/228000/228000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I86EBA-RI	LOCAL NAMES : RICHARDS IS., LOUSY POINT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 216S		NTS MAP REFERENCE : 107C/3E
STUDY ORDER : I72RKL-Z2		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I72RKL-Z2		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : EBA86RI		

----- Location Details -----

LOCATION : 6.5 KM S LOUSY POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 526400
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7675000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	
CENTRE LATITUDE : 69.18333	
CENTRE LONGITUDE : 134.30000	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 50000
PAST USE :	AREA : 43
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING STUDIES; LAB ANALYSIS	LAST INVESTIGATION DATE : 1986
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 1	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 8.0	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/22/86	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : OUTWASH PLAIN
AREA DRAINAGE :		TOPOGRAPHY : HILLOCK
VEGETATION :		
PERMAFROST FEATURES : MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some silt	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 4.0-	OVERBURDEN TYPE :
DEVELOP. POTENTIAL : UNKNOWN	UNDERBURDEN TYPE : ICE, SAND, CLAY TILL
DEVELOP. CONSTRAINTS : FURTHER RECONN.; CONCENTRATION SILT & ORGANICS; HIGH MOISTURE CONTENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS : GP-ML/SP-SM/SM		D-50 : 000120-000150-000200
CLASSIFICATION # : 7		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 7	GRAVEL(%) : 0-5-6
SIEVE ANAL. # : 3	MOISTURE(%) : RESULTS : 16-27-64	SAND(%) : 83-87-92
PETROGR. NO.:RESULTS :		FINES(%) : 8-10-12
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z2	LOCAL NAMES : RICHARDS ISLAND	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 217		NTS MAP REFERENCE : 107C/3E
STUDY ORDER : I86EBA-RI		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86EBA-RI		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 30.6 KM NE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 526000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7676500
OFFSET DISTANCE : 4828	CENTRE LATITUDE : 69.18333
ACCESS LENGTH : 4828	CENTRE LONGITUDE : 134.33333
SOURCE ACCESS : OVERLAND	OFFSET DIRECTION : L
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 42
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.8	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : ESKER
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING
VEGETATION : MOSTLY BARREN; PATCHES MOSS AND GRASS		
PERMAFROST FEATURES : ICE WEDGES; MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- trace gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.8	OVERBURDEN TYPE :
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : SW		D-50 : 000400
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 1	GRAVEL(%) : 9
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 4.8	SAND(%) : 89
PETROGR. NO. : RESULTS :		FINES(%) : 2
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 114000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 114000
CLASS 3 : /114000/114000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :186EBA-RI	LOCAL NAMES :RICHARDS IS., LOUSY POINT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :217		NTS MAP REFERENCE :107C/3E
STUDY ORDER :172RKL-Z2		MAP DIGITIZER NUMBER :
STUDY REFERENCE :172RKL-Z2		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :EBA86RI		

----- Location Details -----

LOCATION :9 KM S LOUSY POINT	CENTRE LATITUDE :69.20000	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE LONGITUDE :134.46667	CENTRE EASTING(UTM) :522500
CORRIDOR NUMBER :		CENTRE NORTHING(UTM) :7675000
OFFSET DISTANCE :		OFFSET DIRECTION :
ACCESS LENGTH : 0		KILOMETRE-POST : 0.0
SOURCE ACCESS :		

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :50000
PAST USE :RKL EXPLORATION	AREA : 57
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :FAIR	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING	LAST INVESTIGATION DATE :1986
STUDIES; LAB ANALYSIS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 2	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :4.9-8.8-12.6	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/21/86	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :RIDGE
AREA DRAINAGE :		TOPOGRAPHY :RIDGE
VEGETATION :		
PERMAFROST FEATURES :MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- silt beds	OVERBURDEN THICKNESS :-0.2-
GRANULAR THICKNESS :-5.0-	OVERBURDEN TYPE :ROOT MATERIAL, ORGANICS
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :ICE & SILT
DEVELOP. CONSTRAINTS :FURTHER RECONNAISSANCE; SILT, MASSIVE ICE, FINE SAND; HIGH MOISTURE CONTENT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :ML-CL/SM-SP		D-50 :000150-000200-000300
CLASSIFICATION # : 15		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 15	GRAVEL(%) :0-0-0
SIEVE ANAL. # : 3	MOISTURE(%) :RESULTS :17-27-43	SAND(%) :95-96-97
PETROGR. NO.:RESULTS :		FINES(%) :3-4-5
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 7500	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 7500
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 7500
CLASS 4 :7500//		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I86EBA-RI          LOCAL NAMES :RICHARDS IS, EAST CHANNEL  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :217E                NTS MAP REFERENCE :107C/3E
STUDY ORDER      :I72RKL-Z2            MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I72RKL-Z2            MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :EBA86RI

----- Location Details -----
LOCATION           :4 KM W EAST CHANNEL  CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD   CENTRE EASTING(UTM)   :524000
CORRIDOR NUMBER  :                     CENTRE NORTHING(UTM)  :7676000
OFFSET DISTANCE  :                     OFFSET DIRECTION      :
ACCESS LENGTH    : 0                   KILOMETRE-POST       : 0.0
SOURCE ACCESS    :

-----
CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER :
LAND TENURE      :CROWN                STATUS :UNDEVELOPED
STOCKPILE TYPE   :                     SITE PLAN SCALE :50000
PAST USE         :                     AREA : 43
STOCKPILE QUANTITY :                     EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                     -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING  LAST INVESTIGATION DATE :1986
GEOPHYSICAL DATA   : STUDIES; LAB ANALYSIS                                TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 1          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :9.2        TESTPITS:DEPTH  :           EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE :03/22/86  GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL                          LANDFORM       :KAMES; TERRACES
AREA DRAINAGE          :                                  TOPOGRAPHY     :ROLLING, HUMMOCKY
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :SILT- sand          OVERBURDEN THICKNESS :0.2
GRANULAR THICKNESS     :7.5                OVERBURDEN TYPE      :ROOT MATERIAL & ORGANICS
DEVELOP. POTENTIAL     :UNSUITABLE         UNDERBURDEN TYPE     :ORGANICS
DEVELOP. CONSTRAINTS   :SILT PREDOMINATES; NO ENGINEERING VALUE

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :SP-ML/SP-SM/
CLASSIFICATION #       : 9
PETRO NO.              : 0
SIEVE ANAL. #         : 1
PETROGR. NO.:RESULTS  :
OTHER TESTS            :

MOISTURE(%):NUMBER : 9
MOISTURE(%):RESULTS :28-40-77

D-50 :000250
OVERSIZE(%) :
GRAVEL(%) :2.8
SAND(%) :90.8
FINES(%) :6.4

----- Material Quantity -----
CLASS 1 : TOTAL VOLUME : 0 PROSPECTIVE VOLUME :
CLASS 2 : PROVEN VOLUME : TOTAL RECOVERABLE : 0
CLASS 3 : PROBABLE VOLUME : ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I86EBA-RI          LOCAL NAMES :RICHARDS IS, YA YA LAKES  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :219                NTS MAP REFERENCE : 107C/3
STUDY ORDER      :I72RKL-Z2          MAP DIGITIZER NUMBER :
STUDY REFERENCE  :I72RKL-Z2          MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :EBA86RI

----- Location Details -----
LOCATION           :N END YA YA LAKES  CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD CENTRE EASTING(UTM)  :517000
CORRIDOR NUMBER  :                     CENTRE NORTHING(UTM) :5677000
OFFSET DISTANCE  :                     OFFSET DIRECTION     :
ACCESS LENGTH    : 0                   KILOMETRE-POST       : 0.0
SOURCE ACCESS    :

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :CROWN                        STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE   :                               SITE PLAN SCALE :50000
PAST USE         :RKL EXPLORATION                AREA : 328
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :FAIR                        -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING  LAST INVESTIGATION DATE :1986
GEOPHYSICAL DATA   :                               STUDIES; LAB ANALYSIS
TEST HOLE DENSITY   :

----- Subsurface Data -----
BOREHOLES:NUMBER : 11          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :4.7-8.4-18.0 TESTPITS:DEPTH :            EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/17/86  GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :          LANDFORM                :FLAT-TOPPED RIDGE
AREA DRAINAGE          :          TOPOGRAPHY              :RIDGES
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :          OVERBURDEN THICKNESS : -3.0-
GRANULAR THICKNESS     :          OVERBURDEN TYPE      :PEAT- trace silt
DEVELOP. POTENTIAL     :FAIR    UNDERBURDEN TYPE     :ICE & SILT
DEVELOP. CONSTRAINTS  :FURTHER RECONNAISSANCE

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :ML-SW-GP/SP-Sm/Sp
CLASSIFICATION #      : 74
PETRO NO.             : 0          MOISTURE(%):NUMBER : 74
SIEVE ANAL. #         : 25        MOISTURE(%):RESULTS :2-28-332
PETROGR. NO.:RESULTS  :
OTHER TESTS           :
D-50                  :000170-001053-003000
OVERSIZE(%)           :
GRAVEL(%)             :0-15-48
SAND(%)               :52-80-10
FINES(%)              :0.3-5-19

----- Material Quantity -----
CLASS 1 :
CLASS 2 :230000//
CLASS 3 :
CLASS 4 :
CLASS 5 :
TOTAL VOLUME : 230000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 230000
ANNUAL RECOVERABLE : 0

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-22          LOCAL NAMES :RICHARDS IS, YA YA LAKES  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :219                NTS MAP REFERENCE :107C/3W
STUDY ORDER       :186EBA-RI          MAP DIGITIZER NUMBER :
STUDY REFERENCE   :186EBA-RI          MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE  :RKL7322

----- Location Details -----

LOCATION           :22.5 KM N TUNUNUK POINT  CENTRE ZONE(UTM)      : 8
CORRIDOR NAME:    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)   :514000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM)  :7679000
OFFSET DISTANCE  :                        CENTRE LATITUDE :69.21667
ACCESS LENGTH    : 0                     CENTRE LONGITUDE :134.61667
SOURCE ACCESS    :                        OFFSET DIRECTION :
                                           KILOMETRE-POST      : 0.0

-----

CONDITION         :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :CROWN                        STATUS :UNDEVELOPED
STOCKPILE TYPE    :                        SITE PLAN SCALE :36000
PAST USE          :                        AREA : 334
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                        -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW  LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES
GEOPHYSICAL DATA   :                        TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 7          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :1.1-7.2-12. EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM        :FLAT-TOPPED RIDGE
AREA DRAINAGE          :MODERATE        TOPOGRAPHY     :LOW RIDGES CLOSE TO
VEGETATION             :MOSTLY BARREN;SOME MOSS AND SCATTERED SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL & SAND- trace silt          OVERBURDEN THICKNESS :0.2
GRANULAR THICKNESS     :7.2          OVERBURDEN TYPE       :Pt- trace silt
DEVELOP. POTENTIAL     :SUITABLE          UNDERBURDEN TYPE     :MASSIVE ICE
DEVELOP. CONSTRAINTS   :IMPORTANT WATERFOWL & REINDEER; LAKE SILTATION; RECREATION; MASSIVE ICE

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

----- Test Results -----

UNIFIED SOIL:CLASS     :PT-OL/ML-SM-SP/GW-SW
CLASSIFICATION #       : 31
PETRO NO.              : 1          MOISTURE(%):NUMBER : 31          D-50          :000250-002185-004000
SIEVE ANAL. #         : 14          MOISTURE(%):RESULTS :3-16-62        OVERSIZE(%)   :
PETROGR. NO.:RESULTS  :140          SAND(%)        :46-85-93
OTHER TESTS            :          FINES(%)        :0-6-25

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 760000          PROSPECTIVE VOLUME :
CLASS 2 :/760000/760000        PROVEN VOLUME :          TOTAL RECOVERABLE : 760000
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z2          LOCAL NAMES :RICHARDS IS, YA YA LAKES  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :220                  NTS MAP REFERENCE :107C/3W
STUDY ORDER      :
STUDY REFERENCE   :
SOURCE REFERENCE  :RKL7322             MAP DIGITIZER NUMBER :
                                           MAP LOC./PLAN SCALE : 633600

----- Location Details -----
LOCATION           :19.3 KM N TUNUNUK POINT  CENTRE ZONE(UTM) : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM) :516000
CORRIDOR NUMBER  :
CENTRE LATITUDE  :69.20000                CENTRE NORTHING(UTM) :7676000
OFFSET DISTANCE  :
CENTRE LONGITUDE :134.58333              OFFSET DIRECTION :
ACCESS LENGTH    : 0                    KILOMETRE-POST : 0.0
SOURCE ACCESS    :

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :CROWN & INUVIALUIT 7(1)(A)&(B)  STATUS :UNDEVELOPED
STOCKPILE TYPE    :
SITE PLAN SCALE   :36000
PAST USE          :
AREA : 125
STOCKPILE QUANTITY :
EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :
-FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW  LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES
GEOPHYSICAL DATA :
TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 7          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :
TESTPITS:DEPTH :0.9-5.4-9.1 EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GENTLE
AREA DRAINAGE :MODERATE
LANDFORM :ESKER
VEGETATION :MOSTLY BARREN;MOSS AND FEW DWARF SHRUBS
TOPOGRAPHY :RIDGES
PERMAFROST FEATURES :

----- Source Stratigraphy -----
GRANULAR TYPE :SAND- some gravel          OVERBURDEN THICKNESS :0.3
GRANULAR THICKNESS :5.4          OVERBURDEN TYPE :ORGANIC SILT (OL)
DEVELOP. POTENTIAL :SUITABLE          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; SILTATION; RECREATION; MASSIVE ICE

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :OL-GW/ML-SW/SW-SM
CLASSIFICATION # : 16
PETRO NO. : 0          MOISTURE(%):NUMBER : 16          D-50 :000420-000841-001500
SIEVE ANAL. # : 7          MOISTURE(%):RESULTS :2-20-120          OVERSIZE(%) :
PETROGR. NO.:RESULTS :
SAND(%) :63-75-86
OTHER TESTS :
FINES(%) :0-6-13

----- Material Quantity -----
CLASS 1 :
TOTAL VOLUME : 76000          PROSPECTIVE VOLUME :
CLASS 2 :
PROVEN VOLUME :
CLASS 3 :/76000/76000          PROBABLE VOLUME :
CLASS 4 :
TOTAL RECOVERABLE : 76000
CLASS 5 :
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z2	LOCAL NAMES :RICHARDS IS, YA YA LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :221A		NTS MAP REFERENCE :107C/3W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :4.8 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :515000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7669000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVALUIT 7(1)(B)- INUVIK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 146
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 6	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.9-4.3-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :0.9-1.0-1.1	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :KAME
AREA DRAINAGE :MODERATE		TOPOGRAPHY :ROLLING, HILLOCKY
VEGETATION :MOSTLY BARREN;MOSS AND FEW DWARF SHRUBS		
PERMAFROST FEATURES :MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- silt	OVERBURDEN THICKNESS :0.3-0.6-0.9
GRANULAR THICKNESS :4.3	OVERBURDEN TYPE :ORGANIC SILT
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; RECREATIONAL AREA; LOW QUALITY; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-GW/ML-SM/SP		D-50 :000830-000620-001000
CLASSIFICATION # : 8		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 8	GRAVEL(%) :2-12-22
SIEVE ANAL. # : 4	MOISTURE(%) :RESULTS :9-28-86	SAND(%) :50-57-83
PETROGR. NO.:RESULTS :		FINES(%) :7-19-38
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: I76EBA-MS	LOCAL NAMES	: SWIMMING POINT	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 222			NTS MAP REFERENCE	: 107C/3E
STUDY ORDER	: I72RKL-Z2			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: I72RKL-Z2			MAP LOC./PLAN SCALE	: 1000000
SOURCE REFERENCE	: EBA76MD				

----- Location Details -----

LOCATION	: 15 KM W BAR C	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	: MACKENZIE ICE ROAD	CENTRE EASTING(UTM)	: 522500
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 7667500
OFFSET DISTANCE	:	OFFSET DIRECTION	:
ACCESS LENGTH	: 0	KILOMETRE-POST	: 0.0
SOURCE ACCESS	: STEEP APPROACHES		

CONDITION	: WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	: INUVIALUIT 7(1)(A)- INUVIK	STATUS	: UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	: 20000
PAST USE	:	AREA	: 1500
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	: AIRPHOTO; DELINEATION; PRODUCTION DRILLING	LAST INVESTIGATION DATE	: 1976
GEOPHYSICAL DATA	: UNKNOWN	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 44	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	: 5.2-9.5-17.4	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	: 0.3-0.5-0.6	SITE DESCRIPTION DATE	: 02/02/76	GENERIC ORIGIN	: GLACIOFLUVIAL
SLOPE	: GRADUAL TO STEEP			LANDFORM	: TERRACE REMNANTS
AREA DRAINAGE	: MODERATELY WELL			TOPOGRAPHY	: FLAT-TOPPED, LOW LYI
VEGETATION	: SPARSE DWARF WILLOW, FLOWERING PLANTS, GRASSES, LICHENS, MOSS				
PERMAFROST FEATURES	: MASSIVE ICE; ICE WEDGE POLYGONS				

----- Source Stratigraphy -----

GRANULAR TYPE	: SAND & GRAVEL- little silt	OVERBURDEN THICKNESS	: 0-1.7-3.4
GRANULAR THICKNESS	:	OVERBURDEN TYPE	: PEAT- sand, silt, clay
DEVELOP. POTENTIAL	: FAIR	UNDERBURDEN TYPE	: MASSIVE GROUND ICE
DEVELOP. CONSTRAINTS	: SUMMER USE ENVIRONMENTAL PROBLEMS & ACCESS COSTS; SILTATION OF WATERWAYS		

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

----- Test Results -----

UNIFIED SOIL:CLASS	: ML-SM-GW/SP-SW-GW/GW-SW	D-50	: 000120-003000-016000
CLASSIFICATION #	: 92	OVERSIZE(%)	:
PETRO NO.	: 4	GRAVEL(%)	: 36-40-42
SIEVE ANAL. #	: 52	SAND(%)	: 47-54-59
PETROGR. NO.:RESULTS	: 142-160-180	FINES(%)	: 4-6-8
OTHER TESTS	: ORGAN_PLATE-05-4; [COARSE(FINE)]ABSORPTION%-04-1.3(-04-1.8); SPEC_G_BSSD-04-2.58(-04-2.65); SULPH_SD-01-0.14(-02-1.8); MAXIMUM_DD-910.8; MINIMUM_DD-728.1		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 10640000	PROSPECTIVE VOLUME	:
CLASS 2	: 10640000/10640000/	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 10640000
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-22	LOCAL NAMES :RICHARDS IS, SWIMMING PT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :222		NTS MAP REFERENCE :107C/3E
STUDY ORDER :176EBA-MS		MAP DIGITIZER NUMBER :
STUDY REFERENCE :176EBA-MS		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :16.1 KM NE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :523000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7671000
OFFSET DISTANCE :0;0	OFFSET DIRECTION :L/R
ACCESS LENGTH : 0	KILOMETRE-POST : 96.6
SOURCE ACCESS :	

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVIALUIT 7(1)(A)- INUVIK	STATUS :DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :CONSTRUCT LANDING STRIP & CAMP	AREA : 188
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 7	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6-4.6-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :TERRACE;BAR
AREA DRAINAGE :MODERATE		TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION :MOSS AND SCATTERED DWARF SHRUBS;THIN EXPOSED AREAS		
PERMAFROST FEATURES :ICE WEDGES;MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- some gravel, trace silt	OVERBURDEN THICKNESS :1.7
GRANULAR THICKNESS :4.6	OVERBURDEN TYPE :ORGANIC SILT (OL)
DEVELOP. POTENTIAL :SUITABLE	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :REINDEER GRAZING RESERVE; SILTATION; MASSIVE ICE; FURTHER DRILLING	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-ML-GM-GP/SW-SM/SP		D-50 :000080-001400-004000
CLASSIFICATION # : 18		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER : 18	GRAVEL(%) :3-20-66
SIEVE ANAL. # : 13	MOISTURE(%) :RESULTS :3-32-330	SAND(%) :26-63-91
PETROGR. NO.:RESULTS :142		FINES(%) :3-12-33
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 7600000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 7600000
CLASS 3 :/76000000/7600000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-22	LOCAL NAMES : RICHARDS IS, YA YA LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 223		NTS MAP REFERENCE : 107C/3W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 11.3 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 514500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7665000
OFFSET DISTANCE : 1500	CENTRE LATITUDE : 69.10000
ACCESS LENGTH : 1500	CENTRE LONGITUDE : 134.60000
SOURCE ACCESS :	OFFSET DIRECTION : L
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- INUVIK	STATUS : DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE : FOR BASE CAMP CONSTRUCTION	AREA : 146
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : EXCELLENT	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.9-3.8-6.0	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : EKER; KAME; TERRACE
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ESKER, KAME AND TERR
VEGETATION : MOSTLY BARREN; PATCHES MOSS AND DWARF SHRUBS		
PERMAFROST FEATURES : POLYGON ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- sand	OVERBURDEN THICKNESS : 0.3
GRANULAR THICKNESS : 3.8	OVERBURDEN TYPE : OL (ORGANIC SILT)
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; RECREATION; SILTATION; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OM/SM/GW		D-50 : 004200-005070-006000
CLASSIFICATION # : 3		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 0	GRAVEL(%) : 52-56-59
SIEVE ANAL. # : 3	MOISTURE(%) : RESULTS :	SAND(%) : 37-41-47
PETROGR. NO. : RESULTS :		FINES(%) : 1-3-4
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 : 4180000/4180000	TOTAL VOLUME : 4180000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 4180000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:172RKL-22	LOCAL NAMES	:RICHARDS IS, YA YA ESKER	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:224			NTS MAP REFERENCE	:107C/3W
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 633600
SOURCE REFERENCE	:RKL7322				

----- Location Details -----

LOCATION	:11.2 KM N TUNUNUK POINT	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:MACKENZIE ICE ROAD	CENTRE EASTING(UTM)	:518000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7665000
OFFSET DISTANCE	:	CENTRE LATITUDE	:69.11667
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:134.53333
SOURCE ACCESS	:	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	:WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	:INUVIALUIT 7(1)(A)- INUVIK	STATUS	:PARTIALLY DEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:36000
PAST USE	:EXCAVATED BY OIL COMPANY	AREA	: 84
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:EXCELLENT	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE	:1972
GEOPHYSICAL DATA	: PREVIOUS STUDIES	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 0	EXPOSURES:NUMBER	: 2	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:3.0-4.5-6.1		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:GENTLE			LANDFORM	:ESKER
AREA DRAINAGE	:MODERATE			TOPOGRAPHY	:GENTLE KNOLL AT LAKE
VEGETATION	:MOSTLY BARREN;PATCHES MOSS AND DWARF SHRUBS				
PERMAFROST FEATURES	:POLYGONAL ICE WEDGES				

----- Source Stratigraphy -----

GRANULAR TYPE	:GRAVEL- sand	OVERBURDEN THICKNESS	:0.3
GRANULAR THICKNESS	:3.0-4.5-6.1	OVERBURDEN TYPE	:PEAT- moss
DEVELOP. POTENTIAL	:EXCELLENT	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:IMPORTANT WATERFOWL & REINDEER; LAKE SILTATION; RECREATION; MASSIVE ICE		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:Pt/GW/GW			D-50	:003700-004900-007000
CLASSIFICATION #	: 3			OVERSIZE(%)	:
PETRO NO.	: 1	MOISTURE(%) :NUMBER	: 0	GRAVEL(%)	:36-47-54
SIEVE ANAL. #	: 3	MOISTURE(%) :RESULTS	:	SAND(%)	:42-52-64
PETROGR. NO.:RESULTS	:137			FINES(%)	:0-1-4
OTHER TESTS	:				

----- Material Quantity -----

CLASS 1	:/1900000/1900000	TOTAL VOLUME	: 1900000	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 1900000
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-22	LOCAL NAMES : RICHARDS IS, YA YA ESKER	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 225		NTS MAP REFERENCE : 107C/3W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 11.3 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 510000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7667000
OFFSET DISTANCE :	CENTRE LATITUDE : 69.11667
ACCESS LENGTH : 0	CENTRE LONGITUDE : 134.73333
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 125
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 4	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.8-3.0-6.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : ESKER
AREA DRAINAGE : MODERATE TO WELL		TOPOGRAPHY : ESKER
VEGETATION : BARREN; PATCHES MOSS AND DWARF SHRUB		
PERMAFROST FEATURES : MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- gravel, trace silt	OVERBURDEN THICKNESS : 0.3
GRANULAR THICKNESS : 0.8-3.0-6.1	OVERBURDEN TYPE : OL (silt & organics)
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; RECREATION; MASSIVE ICE ; FURTHER INVESTIG	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL/ML-SW/SW		D-50 : 002300-003300-004100
CLASSIFICATION # : 9		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 9	GRAVEL(%) : 43-49-60
SIEVE ANAL. # : 4	MOISTURE(%) : RESULTS : 2-18-59	SAND(%) : 25-46-56
PETROGR. NO. : RESULTS : 151		FINES(%) : 1-5-15
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 760000	PROSPECTIVE VOLUME :
CLASS 2 : /760000/760000	PROVEN VOLUME :	TOTAL RECOVERABLE : 760000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:172RKL-22	LOCAL NAMES	:RICHARDS IS, YA YA LAKES	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:226			NTS MAP REFERENCE	:107C/3W
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 633600
SOURCE REFERENCE	:RKL7322				

----- Location Details -----

LOCATION	:9.6 KM NW TUNUNUK POINT	CENTRE ZONE(UTM)	: 8
CORRIDOR NAME	:MACKENZIE ICE ROAD	CENTRE EASTING(UTM)	:508500
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7665500
OFFSET DISTANCE	:	CENTRE LATITUDE	:69.10000
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:134.78333
SOURCE ACCESS	:	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	:WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	:INUVIALUIT 7(1)(A)- INUVIK	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:36000
PAST USE	:	AREA	: 104
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE	:1972
GEOPHYSICAL DATA	: PREVIOUS STUDIES	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 7	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:0.9-4.3-8.8	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:GENTLE			LANDFORM	:ESKER-KAME COMPLEX
AREA DRAINAGE	:MODERATE			TOPOGRAPHY	:IRREGULAR HILLOCKS
VEGETATION	:MOSTLY BARREN;PATCHES MOSS, GRASS, SMALL SHRUBS				
PERMAFROST FEATURES	:MASSIVE ICE				

----- Source Stratigraphy -----

GRANULAR TYPE	:SAND-some gravel; GRAVEL- sand	OVERBURDEN THICKNESS	:0.6
GRANULAR THICKNESS	:0.9-4.3-8.8	OVERBURDEN TYPE	:OL organic silt
DEVELOP. POTENTIAL	:SUITABLE	UNDERBURDEN TYPE	:MASSIVE ICE
DEVELOP. CONSTRAINTS	:IMPORTANT WATERFOWL & REINDEER; SILTATION; MASSIVE ICE		

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

----- Test Results -----

UNIFIED SOIL:CLASS	:OL-SP/SM-SW-GW/SW-GW	D-50	:000420-003243-008500
CLASSIFICATION #	: 17	OVERSIZE(%)	:
PETRO NO.	: 1	GRAVEL(%)	:27-52-68
SIEVE ANAL. #	: 12	SAND(%)	:29-40-72
PETROGR. NO.:RESULTS	:206	FINES(%)	:0-8-28
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME	: 304000	PROSPECTIVE VOLUME	:
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 304000
CLASS 3 :/304000/304000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4 :				
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z2	LOCAL NAMES : RICHARDS IS, YA YA LAKES	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 227		NTS MAP REFERENCE : 107C/3W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 12.8 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 510000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7670000
OFFSET DISTANCE :	CENTRE LATITUDE : 69.13333
ACCESS LENGTH : 0	CENTRE LONGITUDE : 134.72167
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 418
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 9	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.2-5.4-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL TO STEEP		LANDFORM : KAME
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING, HILLOCKY
VEGETATION : SLOPES AND TOPS BARE; MOSS AND SCATTERED SHRUBS ELSEWHERE		
PERMAFROST FEATURES : MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some gravel, trace silt	OVERBURDEN THICKNESS : 0.3
GRANULAR THICKNESS : 1.2-5.4-9.1	OVERBURDEN TYPE : OL organic silt
DEVELOP. POTENTIAL : POOR	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; SILTATION; RECREATION; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL-ML/GM-GW-SM-SP/SP-SW		D-50 : 000550-001880-007000
CLASSIFICATION # : 27		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) : NUMBER : 27	GRAVEL(%) : 5-23-58
SIEVE ANAL. # : 14	MOISTURE(%) : RESULTS : 3-13-37	SAND(%) : 30-72-93
PETROGR. NO.:RESULTS : 170		FINES(%) : 1-5-24
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 304000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 304000
CLASS 3 : /304000/304000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z3          LOCAL NAMES :EAST CHANNEL          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :302                  NTS MAP REFERENCE  :107C/3
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 1700000
SOURCE REFERENCE  :RKL7323

----- Location Details -----
LOCATION           :5 KM NE TUNUNUK POINT          CENTRE ZONE(UTM)    : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD             CENTRE EASTING(UTM) :516500
CORRIDOR NUMBER  :                               CENTRE NORTHING(UTM):7658000
OFFSET DISTANCE  :0;0                           CENTRE LATITUDE     :69.03333
ACCESS LENGTH    : 0                           CENTRE LONGITUDE    :134.58333
SOURCE ACCESS    :ADJACENT TO RIVER              OFFSET DIRECTION    :L/R
                                                    KILOMETRE-POST     : 80.0

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER   :
LAND TENURE      :INUVALUIT 7(1)(A)- INUVIK        STATUS             :UNDEVELOPED
STOCKPILE TYPE   :                               SITE PLAN SCALE    :36000
PAST USE         :                               AREA           : 63
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                               -FOR PIPELINE       : 0
                                                    PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING STUDIES  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY      :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 3          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :0.9-4.9-9.1 EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS :0.9          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM        :TERRACE
AREA DRAINAGE          :WELL             TOPOGRAPHY      :ROLLING, HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.6 M
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :GRAVEL & SAND          OVERBURDEN THICKNESS :0.1-0.1-0.2
GRANULAR THICKNESS     :0.9-2.3-4.0          OVERBURDEN TYPE      :ORGANIC SILT, peat, roots
DEVELOP. POTENTIAL     :SUITABLE             UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS  :MASSIVE ICE; ARCHAEOLOGICAL SITE NEARBY; MACKENZIE REINDEER GRAZING

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL/SW/GW-GM          D-50              :003000-003820-004800
CLASSIFICATION #       : 10                  OVERSIZE(%)       :
PETRO NO.              : 1                   MOISTURE(%) :NUMBER : 10          GRAVEL(%)          :33-41-53
SIEVE ANAL. #          : 6                   MOISTURE(%) :RESULTS :3-6-12    SAND(%)            :37-39-67
PETROGR. NO.:RESULTS   :141                  FINES(%)          :1-5-14
OTHER TESTS            :

----- Material Quantity -----
CLASS 1 :/1140000/1140000          TOTAL VOLUME      : 1140000          PROSPECTIVE VOLUME :
CLASS 2 :                          PROVEN VOLUME     :                  TOTAL RECOVERABLE  : 1140000
CLASS 3 :                          PROBABLE VOLUME    :                  ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I76EBA-MS          LOCAL NAMES :LUCAS POINT          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :303                  NTS MAP REFERENCE :107C/3W
STUDY ORDER       :I72RKL-Z3           MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I72RKL-Z3           MAP LOC./PLAN SCALE : 1000000
SOURCE REFERENCE   :EBA76MD

----- Location Details -----

LOCATION           :E BANK EAST CHANNEL          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD           CENTRE EASTING(UTM)  :518500
CORRIDOR NUMBER  :                           CENTRE NORTHING(UTM) :7662000
OFFSET DISTANCE  :                           CENTRE LATITUDE  :69.06667
ACCESS LENGTH    : 0                         CENTRE LONGITUDE    :134.53333
SOURCE ACCESS    :STEEP ACCESS                OFFSET DIRECTION     :
KILOMETRE-POST   : 0.0

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- INUVIK        STATUS :UNDEVELOPED
STOCKPILE TYPE   :                               SITE PLAN SCALE :20000
PAST USE         :                               AREA : 800
STOCKPILE QUANTITY :                             EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                             -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; DELINEATION; PRODUCTION  LAST INVESTIGATION DATE :1976
GEOPHYSICAL DATA   :UNKNOWN                            TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 43          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH : 0.9-8.6-12.8 TESTPITS:DEPTH :           EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.5-0.6          SITE DESCRIPTION DATE :01/30/76          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP          LANDFORM :TERRACE
AREA DRAINAGE          :MODERATELY WELL          TOPOGRAPHY :FLAT-TOPPED RIDGE NE
VEGETATION             :ARCTIC TUNDRA, DWARF SHRUBS, FLOWERING PLANTS;THIN COVER GRASS,MOSS,LICHENS
PERMAFROST FEATURES    :MASSIVE ICE;ICE WEDGE POLYGONS

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel, some silt          OVERBURDEN THICKNESS :0.9-0.8-1.5
GRANULAR THICKNESS    :                               OVERBURDEN TYPE :PEAT- organic silt, soil
DEVELOP. POTENTIAL    :FAIR                          UNDERBURDEN TYPE :MASSIVE GROUND ICE
DEVELOP. CONSTRAINTS :SUMMER USE ENVIRONMENTAL PROBLEMS AND ACCESS COSTS; SILTATION WATERWAYS

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

----- Test Results -----

UNIFIED SOIL:CLASS    :ML-SP-SM-GW/SW-GW/SW          D-50 :000330-001000-005000
CLASSIFICATION #      : 60                          OVERSIZE(%) :
PETRO NO.             : 3                            MOISTURE(%) :NUMBER : 60
SIEVE ANAL. #        : 33                          MOISTURE(%) :RESULTS :3-13-28
PETROGR. NO.:RESULTS :142-159-191                   GRAVEL(%) :27-34-71
OTHER TESTS           :ORGAN_PLATE-07-3.9;LA ABRASION-03-17.4;[COARSE(FINE)]SPEC_G SAND(%) :22-55-68
                        _BSSD-05-2.55(-06-2.66);ABSORPTION%-05-1.54(-06-1.55);SULPH FINES(%) :2-4-7
                        _SD-01-4.18(-02-1.6);MINDD-4-742.6

----- Material Quantity -----

CLASS 1 :                               TOTAL VOLUME : 4575200          PROSPECTIVE VOLUME :
CLASS 2 :                               PROVEN VOLUME :          TOTAL RECOVERABLE : 4575200
CLASS 3 :4575200/4575200/              PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :172RKL-Z3          LOCAL NAMES :EAST CHANNEL          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :303                  NTS MAP REFERENCE :107C/3
STUDY ORDER       :176EBA-MS           MAP DIGITIZER NUMBER :
STUDY REFERENCE   :176EBA-MS           MAP LOC./PLAN SCALE : 1700000
SOURCE REFERENCE  :RKL73Z3

----- Location Details -----

LOCATION           :9.7 KM NE TUNUNUK POINT          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD              CENTRE EASTING(UTM)  :518550
CORRIDOR NUMBER  :                               CENTRE NORTHING(UTM) :7662000
OFFSET DISTANCE  :0;0                            CENTRE LATITUDE      :69.06667
ACCESS LENGTH    : 0                             CENTRE LONGITUDE     :134.55000
SOURCE ACCESS    :ADJACENT TO RIVER               OFFSET DIRECTION     :L/R
                                                    KILOMETRE-POST      : 17.0

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(A)- INUVIK      STATUS :UNDEVELOPED
STOCKPILE TYPE    :                               SITE PLAN SCALE :36000
PAST USE          :                               AREA : 125
STOCKPILE QUANTITY :                               EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                               -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION; REVIEW EXISTING LAST INVESTIGATION DATE :1972
STUDIES
GEOPHYSICAL DATA  :                               TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 8          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.6-3.2-8.8 EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :0.8          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP          LANDFORM :KAME; TERRACE
AREA DRAINAGE          :MODERATE                TOPOGRAPHY :HUMMOCKY
VEGETATION             :TUNDRA;MOSS, LICHENS, DWARF SHRUBS TO 0.9 M
PERMAFROST FEATURES    :ICE WEDGES

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND & GRAVEL- trace silt          OVERBURDEN THICKNESS :0.1-0.1-0.2
GRANULAR THICKNESS     :0.6-2.9-6.4                OVERBURDEN TYPE :PEAT & organic silt
DEVELOP. POTENTIAL     :SUITABLE                    UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS   :IMPORTANT WILDLIFE & MACKENZIE REINDEER; VARIABLE MATERIAL; SILTATION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL-ML/SM-SW-GP/GM-GW          D-50 :000095-003595-018000
CLASSIFICATION #       : 17                          OVERSIZE(%) :
PETRO NO.              : 1                            GRAVEL(%) :0-39-83
SIEVE ANAL. #         : 14                           SAND(%) :15-53-69
PETROGR. NO.:RESULTS  :155                          FINES(%) :0-12-47
OTHER TESTS            :

----- Material Quantity -----

CLASS 1 :                               TOTAL VOLUME : 4560000          PROSPECTIVE VOLUME :
CLASS 2 :                               PROVEN VOLUME :                TOTAL RECOVERABLE : 4560000
CLASS 3 :/4560000/4560000              PROBABLE VOLUME :                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I75EBA-YA          LOCAL NAMES :YA YA LAKES, BASELINE A  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :YAYA-A              NTS MAP REFERENCE :107C/3
STUDY ORDER       :I86H-SI1            MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-SI1            MAP LOC./PLAN SCALE  : 1000000
SOURCE REFERENCE   :EBA75YA

----- Location Details -----

LOCATION           :100 KM SW TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME     :MACKENZIE ICE ROAD     CENTRE EASTING(UTM)   :509500
CORRIDOR NUMBER   :                      CENTRE NORTHING(UTM)  :7665200
OFFSET DISTANCE   :5000;3000             CENTRE LATITUDE       :69.09083
ACCESS LENGTH     :3000                  CENTRE LONGITUDE      :134.77167
SOURCE ACCESS     :                      OFFSET DIRECTION     :L/R
                                           KILOMETRE-POST       : 90.0

-----

CONDITION         :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE       :INUIALUIT 7(1)(A)- INUVIK        STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE    :                      SITE PLAN SCALE :10000
PAST USE          :EXPLORATORY WORK IMPERIAL/GULF    AREA :128
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :GOOD                  -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONNAISSANCE; DELINEATION; PRODUCTION; REVIEW  LAST INVESTIGATION DATE :1975
EXISTING REPORTS
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :101          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :0.9-12.1-31.1 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :04/19/75          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GRADUAL TO STEEP          LANDFORM :ESKER-KAME COMPLEX
AREA DRAINAGE          :WELL          TOPOGRAPHY :ROLLING, HUMMOCKY TO
VEGETATION             :SHRUBBY HEATH TUNDRA
PERMAFROST FEATURES    :MASSIVE ICE;ICE WEDGE POLYGONS;ICE LENSES

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel          OVERBURDEN THICKNESS :0-6.2-11.3
GRANULAR THICKNESS     :0-8.3-29.0          OVERBURDEN TYPE :SILT, ORGANICS & ICE
DEVELOP. POTENTIAL     :GOOD          UNDERBURDEN TYPE :SILT, SAND, MASSIVE ICE
DEVELOP. CONSTRAINTS :MASSIVE ICE REQUIRES PIT MANAGEMENT;HIGH COST EXCAVATION;RESTORATION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :Pt-ML/SM-GM-GW-SW/SW-GW          D-50 :000550-005318-013000
CLASSIFICATION #       : 87          OVERSIZE(%) :
PETRO NO.              : 0          MOISTURE(%) :NUMBER : 87          GRAVEL(%) :3-43-89
SIEVE ANAL. #          : 30          MOISTURE(%) :RESULTS :3-12-99          SAND(%) :11-54-93
PETROGR. NO.:RESULTS :          FINES(%) :0-3-22
OTHER TESTS            :ORGAN_CONT-01-3.6; (FINE) ABSORPTION%-02-1.75; (FINE)
                        :SPEC_G_BSSD-02-2.65; DRY_ROD_UW-01-804.6; MIN_DD-02-762.9;
                        :MAX_DD-02-878.4

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 6004000          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 3192000
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I75EBA-YA	LOCAL NAMES : YA YA LAKES, BASELINE B	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : YAYA-B		NTS MAP REFERENCE : 107C/3
STUDY ORDER : I86H-SI1		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-SI1		MAP LOC./PLAN SCALE : 1000000
SOURCE REFERENCE : EBA75YA		

----- Location Details -----

LOCATION : 100 KM SW TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 512500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7665000
OFFSET DISTANCE : 5000;3000	CENTRE LATITUDE : 69.09000
ACCESS LENGTH : 3000	CENTRE LONGITUDE : 134.70500
SOURCE ACCESS :	OFFSET DIRECTION : L/R
	KILOMETRE-POST : 90.0

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- INUVIK	STATUS : PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 10000
PAST USE : EXPLORATORY WORK IMPERIAL/GULF	AREA : 100
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONNAISSANCE; DELINEATION; PRODUCTION; REVIEW	LAST INVESTIGATION DATE : 1975
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 93	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 1.2-9.8-24.4	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 04/19/75	GENERIC ORIGIN : GLACIOFLUVIAL; LACUST
SLOPE : GRADUAL TO STEEP		LANDFORM : ESKER-KAME COMPLEX
AREA DRAINAGE : WELL		TOPOGRAPHY : ROLLING, HUMMOCKY TO
VEGETATION : SHRUBBY HEATH TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE; ICE WEDGE POLYGONS; ICE LENSES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- gravel	OVERBURDEN THICKNESS : 0.3-0.9-7.6
GRANULAR THICKNESS : 1.2-6.6-22.6	OVERBURDEN TYPE : SILT & ORGANICS
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : SILT, SAND, MASSIVE ICE
DEVELOP. CONSTRAINTS : MASSIVE ICE REQUIRES PIT MANAGEMENT; HIGH COST EXCAVATION; RESTORATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt-ML-SC-SP/SM-GM/SW-GW	D-50 : 000072-004165-019000
CLASSIFICATION # : 149	OVERSIZE(%) :
PETRO NO. : 0	GRAVEL(%) : 0-43-90
SIEVE ANAL. # : 114	SAND(%) : 9-52-93
PETROGR. NO.:RESULTS :	FINES(%) : 0-5-52
OTHER TESTS : DRY ROD UW-05-778.9; ORGAN_CONT-04-1.4; MIN_DD-03-764.9; MAX_D	
D-03-883.0; [COARSE(FINE)]	
ABSORPTION%-02-1.41(-04-1.71); SPEC_G_BSSD-02-2.56(-04-2.54)	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 4180000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 2204000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I75EBA-YA	LOCAL NAMES : YA YA LAKES, BASELINE C	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : YAYA-C1		NTS MAP REFERENCE : 107C/3
STUDY ORDER : I86H-S11		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86H-S11		MAP LOC./PLAN SCALE : 1000000
SOURCE REFERENCE : EBA75YA		

----- Location Details -----

LOCATION : 100 KM SW TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 515000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7664900
OFFSET DISTANCE : 5000;3000	CENTRE LATITUDE : 69.08783
ACCESS LENGTH : 3000	CENTRE LONGITUDE : 134.63833
SOURCE ACCESS :	OFFSET DIRECTION : L/R
	KILOMETRE-POST : 90.0

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- INUVIK	STATUS : PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 10000
PAST USE : EXPLORATORY WORK IMPERIAL/GULF	AREA : 104
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING : GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONNAISSANCE; DELINEATION; PRODUCTION; REVIEW	LAST INVESTIGATION DATE : 1975
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 98	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 2.7-8.5-18.9	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 04/19/75	GENERIC ORIGIN : GLACIOFLUVIAL; LACUST
SLOPE : GRADUAL TO STEEP		LANDFORM : ESKER-KAME COMPLEX
AREA DRAINAGE : WELL		TOPOGRAPHY : ROLLING, HUMMOCKY TO
VEGETATION : SHRUBBY HEATH TUNDRA		
PERMAFROST FEATURES : MASSIVE ICE; ICE WEDGE POLYGONS; ICE LENSES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- gravel	OVERBURDEN THICKNESS : 0-0.9-8.2
GRANULAR THICKNESS : 0-5.4-14.9	OVERBURDEN TYPE : SILT, ORGANICS, CLAY TILL, ICE
DEVELOP. POTENTIAL : GOOD	UNDERBURDEN TYPE : SILT, SAND, MASSIVE ICE
DEVELOP. CONSTRAINTS : MASSIVE ICE REQUIRES PIT MANAGEMENT; HIGH COST EXCAVATION; RESTORATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS : SP-SM-GM-ML/SW-GW/GW-SW	D-50 : 000015-004934-020000
CLASSIFICATION # : 173	OVERSIZE(%) :
PETRO NO. : 0	GRAVEL(%) : 0-45-90
SIEVE ANAL. # : 167	SAND(%) : 5-52-92
PETROGR. NO.:RESULTS :	FINES(%) : 0-6-66
OTHER TESTS : DRY ROD_UW-02-791.2; MIN_DD-02-747.4; MAX_DD-2-881.9; [COARSE(FINE)]	
ABSORPTION%-01-1.31(-01-1.65); SPEC_G_BSSD-01-2.56(-01-2.61)	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 2888000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 1900000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :175EBA-YA	LOCAL NAMES :YA YA LAKES, AREA C	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :YAYA-C2		NTS MAP REFERENCE :107C/3
STUDY ORDER :186H-S11		MAP DIGITIZER NUMBER :
STUDY REFERENCE :186H-S11		MAP LOC./PLAN SCALE : 1000000
SOURCE REFERENCE :EBA75YA		

----- Location Details -----

LOCATION :100 KM SW TUK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :517000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7665000
OFFSET DISTANCE :5000;3000	CENTRE LATITUDE :69.09000
ACCESS LENGTH : 3000	CENTRE LONGITUDE :134.58333
SOURCE ACCESS :	OFFSET DIRECTION :L/R
	KILOMETRE-POST : 90.0

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVIALUIT 7(1)(A)- INUVIK	STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :10000
PAST USE :EXPLORATORY WORK IMPERIAL/GULF	AREA : 36
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :GOOD	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONNAISSANCE; DELINEATION; PRODUCTION; REVIEW	LAST INVESTIGATION DATE :1975
EXISTING REPORTS	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 3	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :6.1-10.7-15.2	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :04/19/75	GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE :GRADUAL TO STEEP		LANDFORM :ESKER-KAME COMPLEX
AREA DRAINAGE :WELL		TOPOGRAPHY :ROLLING, HUMMOCKY TO
VEGETATION :SHRUBBY HEATH TUNDRA		
PERMAFROST FEATURES :MASSIVE ICE;ICE WEDGE POLYGONS;ICE LENSES		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- gravel	OVERBURDEN THICKNESS :0-0.5-0.9
GRANULAR THICKNESS :3.1-6.7-9.1	OVERBURDEN TYPE :SILT & ORGANICS
DEVELOP. POTENTIAL :GOOD	UNDERBURDEN TYPE :SILT, SAND, MASSIVE ICE
DEVELOP. CONSTRAINTS :MASSIVE ICE REQUIRES PIT MANAGEMENT;HIGH COST EXCAVATION;RESTORATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL-SP/GM-SW/GW		D-50 :000350-001070-002300
CLASSIFICATION # : 3		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 3	GRAVEL(%) :6-9-13
SIEVE ANAL. # : 3	MOISTURE(%) :RESULTS :3-9-21	SAND(%) :87-91-94
PETROGR. NO.:RESULTS :		FINES(%) :0-1-1
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 152000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I75EBA-YA          LOCAL NAMES :YA YA LAKES, AREA D      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :YAYA-D              NTS MAP REFERENCE :107C/3
STUDY ORDER       :I86H-SI1            MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-SI1            MAP LOC./PLAN SCALE : 1000000
SOURCE REFERENCE   :EBA75YA

----- Location Details -----

LOCATION           :100 KM SW TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME     :MACKENZIE ICE ROAD     CENTRE EASTING(UTM)   :514000
CORRIDOR NUMBER   :                      CENTRE NORTHING(UTM)  :7665900
OFFSET DISTANCE   :5000;3000             CENTRE LATITUDE :69.10667
ACCESS LENGTH     :3000                  CENTRE LONGITUDE :134.66667
SOURCE ACCESS     :                      OFFSET DIRECTION    :L/R
                                           KILOMETRE-POST      : 90.0

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CONDITION         :WINTER ICE ROAD;BARGE IN SUMMER    DIGITIZER NUMBER :
LAND TENURE       :INUVIALUIT 7(1)(A)- INUVIK        STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE    :                      SITE PLAN SCALE :10000
PAST USE          :EXPLORATORY WORK IMPERIAL/GULF     AREA : 20
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :GOOD                  -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONNAISSANCE; DELINEATION; PRODUCTION; REVIEW  LAST INVESTIGATION DATE :1975
EXISTING REPORTS
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 7          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :2.7-6.9-10.7 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :04/19/75          GENERIC ORIGIN :GLACIOFLUVIAL;LACUST
SLOPE                  :GRADUAL TO STEEP          LANDFORM :ESKER-KAME COMPLEX
AREA DRAINAGE          :WELL          TOPOGRAPHY :ROLLING, HUMMOCKY TO
VEGETATION             :SHRUBBY HEATH TUNDRA
PERMAFROST FEATURES    :MASSIVE ICE;ICE WEDGE POLYGONS;ICE LENSES

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- gravel          OVERBURDEN THICKNESS :0-1.5-3.1
GRANULAR THICKNESS     :0-3.2-6.1          OVERBURDEN TYPE :SILT & ORGANICS
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :SILT, SAND, MASSIVE ICE
DEVELOP. CONSTRAINTS   :MASSIVE ICE REQUIRES PIT MANAGEMENT;HIGH COST EXCAVATION;RESTORATION

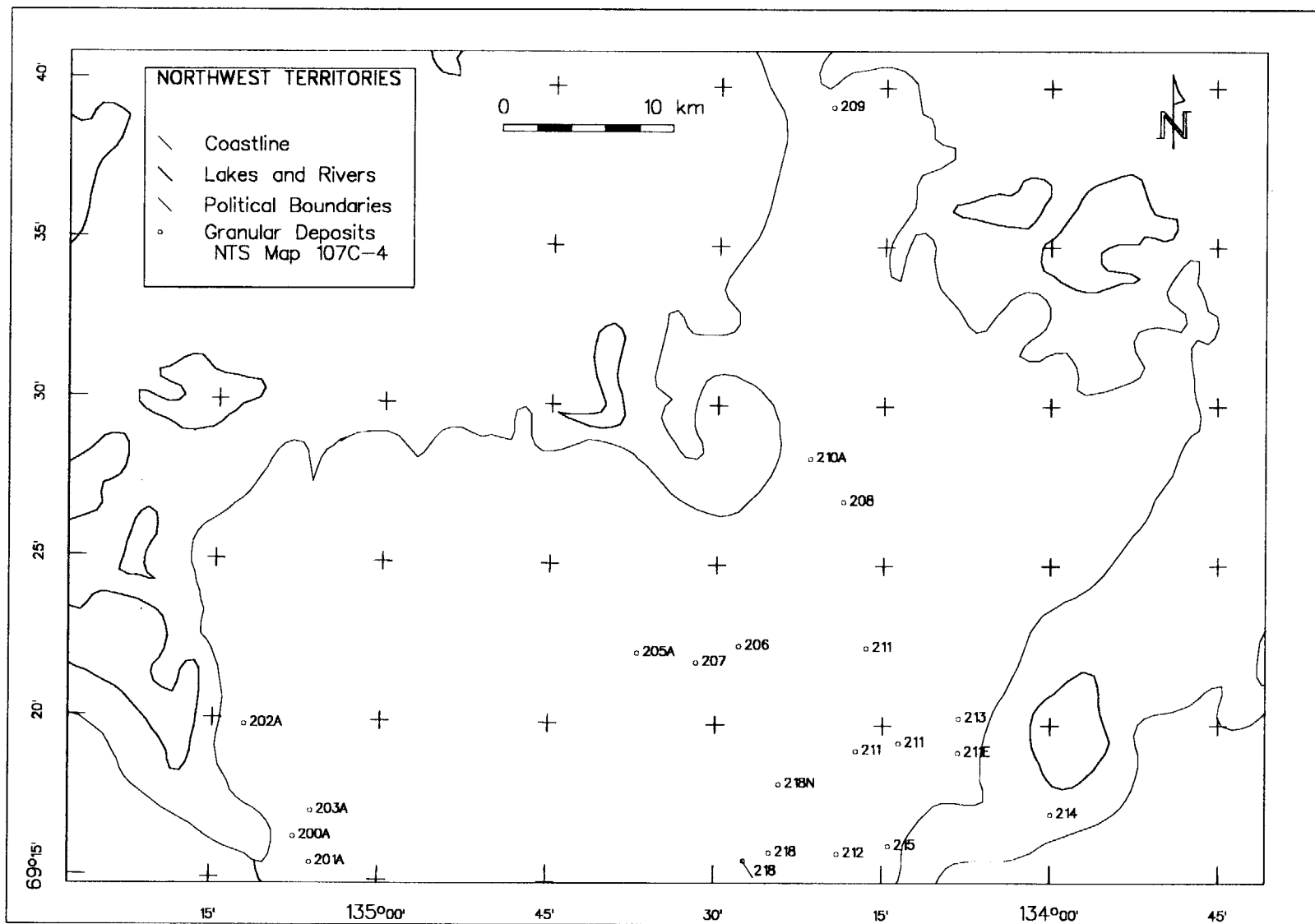
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS     :ML/GP-SP-SW/SW-GW          D-50 :002000-002667-003000
CLASSIFICATION #       : 3          OVERSIZE(%) :
PETRO NO.              : 0          MOISTURE(%) :NUMBER : 3          GRAVEL(%) :22-33-39
SIEVE ANAL. #         : 3          MOISTURE(%) :RESULTS :3-5-6          SAND(%) :61-67-78
PETROGR. NO.:RESULTS :          FINES(%) :0-1-1
OTHER TESTS           :

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
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DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
160	07/19/77	107C/8W	58200	7704500	SAND- irregular gravel	GLACIOFLUVIAL
200A	/ /	107C/5E	495000	7684500	SAND- trace gravel	GLACIOFLUVIAL
201A	/ /	107C/4E	496000	7683000	SAND- trace gravel, trace silt	GLACIOFLUVIAL
202A	/ /	107C/5E	492000	7691000	SAND- trace silt	GLACIOFLUVIAL
203A	/ /	107C/5E	496000	7686000	SAND- trace silt	GLACIOFLUVIAL
205A	/ /	107C/6W	515000	7695500	SILT- sand, trace gravel	GLACIOFLUVIAL
206	/ /	107C/6E	521000	7696000	SAND- some silt, trace gravel	GLACIOFLUVIAL
207	/ /	107C/6W	518500	7695000	SAND- trace gravel	GLACIOFLUVIAL
208	/ /	107C/6E	527000	7704500	SAND- some silt	GLACIOFLUVIAL
209	/ /	107C/11	526000	7727500	SAND- trace silt	GLACIOFLUVIAL
210A	/ /	107C/6E	525000	7707000	SAND- silt	GLACIOFLUVIAL
211	03/30/86	107C/5	528000	7690000	SAND- some gravel	GLACIOFLUVIAL
211	03/23/83	107C/6E	530500	7690500	SAND- some gravel	GLACIOFLUVIAL
211	/ /	107C/6E	528500	7696000	SAND- some silt, trace gravel	GLACIOFLUVIAL
211E	02/04/86	107C/6E	534000	7690000	SAND	GLACIOFLUVIAL
212	/ /	107C/6E	527000	7684000	SAND- little gravel	GLACIOFLUVIAL
213	/ /	107C/6E	534000	7692000	SAND- trace silt	GLACIOFLUVIAL
214	/ /	107C/7W	539500	7686500	SAND- trace silt	GLACIOFLUVIAL
215	/ /	107C/6E	530000	7684500	SAND- gravel, trace silt	GLACIOFLUVIAL
218	03/29/86	107C/3	521500	7683500	SAND- silt	GLACIOFLUVIAL
218	/ /	107C/6E	523000	7684000	SAND- little gravel	GLACIOFLUVIAL
218N	03/30/86	107C/6E	523500	7688000	SAND- silt and ice	GLACIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z2	LOCAL NAMES : RICHARDS IS, CAMP FAREWELL	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 200A		NTS MAP REFERENCE : 107C/5E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 35.4 KM NW TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : WINTER ICE ROAD	CENTRE EASTING(UTM) : 495000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7684500
OFFSET DISTANCE :	CENTRE LATITUDE : 69.26667
ACCESS LENGTH : 0	CENTRE LONGITUDE : 135.11667
SOURCE ACCESS : OVER CHANNELS & RIVER	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 37
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 2	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.7	EXPOSURES:DEPTH : 2.0-5.6-9.1	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.6	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE TO STEEP		LANDFORM : BEACH & DELTA DEPOSIT
AREA DRAINAGE : MODERATE		TOPOGRAPHY : BEACH
VEGETATION : BEACH BARE; MOSS, GRASS, LICHENS & DWARF SHRUBS TO 0.9 M		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- trace gravel	OVERBURDEN THICKNESS : 0.6
GRANULAR THICKNESS : 0.7-5.0-9.1	OVERBURDEN TYPE : MOSS & SILT
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : KENDALL BIRD SANCTUARY CRITICAL WILDLIFE; EROSION; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : OL/SP/SM-SW		D-50 : 000150-000475-000800
CLASSIFICATION # : 3		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%):NUMBER : 3	GRAVEL(%) : 3-13-22
SIEVE ANAL. # : 2	MOISTURE(%):RESULTS : 5-7-11	SAND(%) : 26-59-92
PETROGR. NO.:RESULTS :		FINES(%) : 1-8-14
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 11400	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 11400
CLASS 3 : /11400/11400	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-22	LOCAL NAMES :RICHARDS IS BIRD SANCTUAR	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :201A		NTS MAP REFERENCE :107C/4E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :32 KM NW TUNUNUK POINT		CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :		CENTRE EASTING(UTM) :496000
CORRIDOR NUMBER :	CENTRE LATITUDE :69.25000	CENTRE NORTHING(UTM) :7683000
OFFSET DISTANCE :	CENTRE LONGITUDE :135.08333	OFFSET DIRECTION :
ACCESS LENGTH : 0		KILOMETRE-POST : 0.0
SOURCE ACCESS :OVER LAKES AND CHANNELS		

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA :1463
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 4	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6	EXPOSURES:DEPTH :4.8-5.2-5.5	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :DELTA PLAIN
AREA DRAINAGE :MODERATE TO POOR		TOPOGRAPHY :SLOPING
VEGETATION :MOSS, LICHENS, CONSIDERABLE DWARF BIRCH AND WILLOW		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- trace gravel, trace silt	OVERBURDEN THICKNESS :--0.9
GRANULAR THICKNESS :0.3-2.8-4.6	OVERBURDEN TYPE :SILT
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :KENDALL BIRD SANCTUARY CRITICAL WILDLIFE; MASSIVE ICE; BEACH EROSION	

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

----- Test Results -----

UNIFIED SOIL:CLASS :PT-OL/GW-SM/SP		D-50 :000110-000162-000200
CLASSIFICATION # : 4		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 4	GRAVEL(%) :3-4-10
SIEVE ANAL. # : 4	MOISTURE(%) :RESULTS :6-8-9	SAND(%) :80-87-96
PETROGR. NO.:RESULTS :		FINES(%) :3-10-20
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 38000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 38000
CLASS 3 :/38000/38000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-22	LOCAL NAMES :RICHARDS IS BIRD SANCTUAR	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :202A		NTS MAP REFERENCE :107C/5E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :37 KM NW OF TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :	CENTRE EASTING(UTM) :492000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7691000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :OVER LAKES AND CHANNELS OF DELTA	

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 42
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :4.6	

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3-0.4-0.4	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GENTLE		LANDFORM :DELTA
AREA DRAINAGE :MODERATE		TOPOGRAPHY :DELTA AND BEACH REMN
VEGETATION :MOSS, LICHEN, CONSIDERABLE DWARF BIRCH AND WILLOW		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- trace silt	OVERBURDEN THICKNESS :0.9
GRANULAR THICKNESS :3.7	OVERBURDEN TYPE :SILT
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :KENDALL BIRD SANCTUARY CRITICAL WILDLIFE; MASSIVE ICE; MACKENZIE REINDEER	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL/SP/		D-50 :000210
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 1	GRAVEL(%) :1
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :9.5	SAND(%) :92
PETROGR. NO.:RESULTS :		FINES(%) :7
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z2	LOCAL NAMES : RICHARDS IS BIRD SANCTUAR	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 203A		NTS MAP REFERENCE : 107C/5E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 40.2 KM NW TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 496000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7686000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : OVER LAKES AND CHANNELS OF DELTA	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 439
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH : 2.4	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.3-0.4-0.4	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL TO STEEP		LANDFORM : DELTA AND BEACH
AREA DRAINAGE : MODERATE		TOPOGRAPHY : SLOPING DELTA AND BE
VEGETATION : MOSS, LICHENS, CONSIDERABLE DWARF BIRCH AND WILLOW		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- trace silt	OVERBURDEN THICKNESS : 0.6
GRANULAR THICKNESS : 2.4	OVERBURDEN TYPE : ORGANIC SILT
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : KENDALL BIRD SANCTUARY CRITICAL WILDLIFE; MASSIVE ICE; NEGLIGIBLE VOLUME	

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

----- Test Results -----

UNIFIED SOIL:CLASS : Pt-OL/SP/		D-50 : 000250
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 1	GRAVEL(%) : 1
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 6.8	SAND(%) : 95
PETROGR. NO. : RESULTS :		FINES(%) : 4
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : 172RKL-Z2	LOCAL NAMES : RICHARDS IS DENNIS LAGOON	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 205A		NTS MAP REFERENCE : 107C/6W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 40.2 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :	CENTRE EASTING(UTM) : 515000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7695500
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS :	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 21
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.7	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : 0.3	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE TO GRADUAL		LANDFORM : KAME REMNANT
AREA DRAINAGE : MODERATE		TOPOGRAPHY : HILLOCKS
VEGETATION : MOSS, LICHEN, SOME DWARF BIRCH AND WILLOW		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SILT- sand, trace gravel	OVERBURDEN THICKNESS : 0.3
GRANULAR THICKNESS : 0.4	OVERBURDEN TYPE : ORGANIC SOIL
DEVELOP. POTENTIAL : UNSUITABLE	UNDERBURDEN TYPE : MASSIVE ICE
DEVELOP. CONSTRAINTS : CRITICAL WATERFOWL & REINDEER; MASSIVE ICE; POOR QUALITY;	

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

----- Test Results -----

UNIFIED SOIL:CLASS : GP-SP/PT-OL/ML		D-50 :
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 0	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z2	LOCAL NAMES :RICHARDS IS, DENIS LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :206		NTS MAP REFERENCE :107C/6E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :43.5 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :521000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7696000
OFFSET DISTANCE :16093	CENTRE LATITUDE :69.38333
ACCESS LENGTH : 0	CENTRE LONGITUDE :134.45000
SOURCE ACCESS :ACROSS LAKES AND CHANNELS OF DELTA	OFFSET DIRECTION :L
	KILOMETRE-POST : 80.0

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 209
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 4	EXPOSURES:NUMBER : 6	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :1.2	EXPOSURES:DEPTH :4.3-5.2-6.0	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :ESKER REMNANT
AREA DRAINAGE :MODERATE		TOPOGRAPHY :ROUNDED RIDGES
VEGETATION :MOSS, LICHEN, SCATTERED DWARF BIRCH AND WILLOW		
PERMAFROST FEATURES :MASSIVE ICE;ICE WEDGE POLYGONS;ICE LENSES		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- some silt, trace gravel	OVERBURDEN THICKNESS :0.5
GRANULAR THICKNESS :1.2-1.8-6.1	OVERBURDEN TYPE :ORGANIC TOPSOIL
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; INCONSISTENT MATERIAL	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL/GW-SP/SM-SW		D-50 :000120-000762-003500
CLASSIFICATION # : 14		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER : 14	GRAVEL(%) :0-15-51
SIEVE ANAL. # : 11	MOISTURE(%) :RESULTS :2-26-107	SAND(%) :49-64-10
PETROGR. NO.:RESULTS :187		FINES(%) :0-8-30
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 152000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 152000
CLASS 3 :/152000/152000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z2	LOCAL NAMES :RICHARDS ISLAND	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :207		NTS MAP REFERENCE :107C/6W
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :38.6 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :518500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7695000
OFFSET DISTANCE :16000	OFFSET DIRECTION :L
ACCESS LENGTH :16000	KILOMETRE-POST : 75.0
SOURCE ACCESS :ACROSS DELTA	
CENTRE LATITUDE :69.36667	
CENTRE LONGITUDE :134.51667	

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 71
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 7	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.9-4.5-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :KAME-ESKER COMPLEX
AREA DRAINAGE :MODERATE		TOPOGRAPHY :ROLLING, HUMMOCKY
VEGETATION :MOSS, LICHEN AND DWARF BIRCH		
PERMAFROST FEATURES :POLYGON ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- trace gravel	OVERBURDEN THICKNESS :0.5
GRANULAR THICKNESS :1.2	OVERBURDEN TYPE :ORGANIC TOPSOIL
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; VARIABLE DEPOSIT; THERMOKARSTIC	

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

----- Test Results -----

UNIFIED SOIL:CLASS :GW-PT-OL/ML-SM/SW-SP		D-50 :000072-000477-001400
CLASSIFICATION # : 17		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 17	GRAVEL(%) :0-6-12
SIEVE ANAL. # : 13	MOISTURE(%) :RESULTS :2-17-43	SAND(%) :74-86-10
PETROGR. NO.:RESULTS :		FINES(%) :0-7-50
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 152000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 152000
CLASS 3 :/152000/152000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :I72RKL-Z2	LOCAL NAMES :RICHARDS ISL, UNIAK LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :208		NTS MAP REFERENCE :107C/6E
STUDY ORDER :I86H-S11		MAP DIGITIZER NUMBER :
STUDY REFERENCE :I86H-S11		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :48.2 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :527000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7704500
OFFSET DISTANCE :17700	OFFSET DIRECTION :
ACCESS LENGTH :17700	KILOMETRE-POST : 88.0
SOURCE ACCESS :	
	CENTRE LATITUDE :69.43333
	CENTRE LONGITUDE :134.28333

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 167
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL TO STEEP		LANDFORM :TERRACE REMNANT
AREA DRAINAGE :MODERATE		TOPOGRAPHY :TERRACE
VEGETATION :MOSS, LICHEN, DWARF BIRCH AND WILLOW		
PERMAFROST FEATURES :MASSIVE ICE		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- some silt	OVERBURDEN THICKNESS :0.3
GRANULAR THICKNESS :	OVERBURDEN TYPE :OL- silt
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :MASSIVE ICE
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; POOR MATERIAL HIGH ICE & SILT	

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

----- Test Results -----

UNIFIED SOIL:CLASS :OL/SM/		D-50 :000190
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 1	GRAVEL(%) :1
SIEVE ANAL. # : 1	MOISTURE(%) :RESULTS :29.1	SAND(%) :77
PETROGR. NO.:RESULTS :		FINES(%) :22
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 0	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 0
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-Z2	LOCAL NAMES :RICHARDS ISLAND	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :209		NTS MAP REFERENCE :107C/11
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :66 KM N TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME: :COASTAL ICE ROAD	CENTRE EASTING(UTM) :526000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7727500
OFFSET DISTANCE :4828	CENTRE LATITUDE :69.63333
ACCESS LENGTH : 4828	CENTRE LONGITUDE :134.28333
SOURCE ACCESS :	OFFSET DIRECTION :L
	KILOMETRE-POST : 0.0

CONDITION :WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE :CROWN	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 11
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :1.8	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :KAME
AREA DRAINAGE :MODERATE		TOPOGRAPHY :ROLLING
VEGETATION :MOSTLY BARREN;SCATTERED GRASS AND DWARF SHRUBS		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- trace silt	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :1.8	OVERBURDEN TYPE :ORGANIC GROUND COVER
DEVELOP. POTENTIAL :POOR	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; HIGH % FINE SAND	

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

----- Test Results -----

UNIFIED SOIL:CLASS :ML/SP/		D-50 :000160
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER : 1	GRAVEL(%) :0
SIEVE ANAL. # : 1	MOISTURE(%) :RESULTS :2.5	SAND(%) :94
PETROGR. NO.:RESULTS :		FINES(%) :6
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 91200	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 91200
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :/91200/91200		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z2          LOCAL NAMES :RICHARDS IS, UNIAK LAKE  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :210A                NTS MAP REFERENCE :107C/6E
STUDY ORDER      :                     MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                     MAP LOC./PLAN SCALE  : 633600
SOURCE REFERENCE  :RKL7322

----- Location Details -----
LOCATION           :48.3 KM N TUNUNUK POINT  CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :                        CENTRE EASTING(UTM)   :525000
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM)  :7707000
OFFSET DISTANCE  :                        CENTRE LONGITUDE :134.30000
ACCESS LENGTH    : 0                      OFFSET DIRECTION     :
SOURCE ACCESS    :                        KILOMETRE-POST       : 0.0

-----
CONDITION        :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE      :CROWN                  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                        SITE PLAN SCALE :36000
PAST USE         :                        AREA : 501
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES
GEOPHYSICAL DATA  :                      TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :4.6          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL          LANDFORM :TERRACE
AREA DRAINAGE          :MODERATE          TOPOGRAPHY :HILLOCKY, MANY LAKES
VEGETATION             :MOSS, LICHEN, DWARF BIRCH AND WILLOW
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- silt          OVERBURDEN THICKNESS :0.9
GRANULAR THICKNESS     :4.6                OVERBURDEN TYPE :SILT
DEVELOP. POTENTIAL     :UNSUITABLE          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; HIGH SILT & ICE CONTENT; THERMOKARSTIC

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL/SM-ML/
CLASSIFICATION #       : 2
PETRO NO.              : 0                MOISTURE(%):NUMBER : 2
SIEVE ANAL. #         : 0                MOISTURE(%):RESULTS :27-57-87
PETROGR. NO.:RESULTS  :
OTHER TESTS           :
D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I86EBA-RI          LOCAL NAMES :RICHARDS IS, WILLOW LAKE  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :211                                     NTS MAP REFERENCE :107C/5
STUDY ORDER       :I86H-S11, I83BBT-2S, I72RKL-Z2        MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11, I83BBT-2S, I72RKL-Z2        MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :EBA86R1

----- Location Details -----

LOCATION           :S & E SHORE WILLOW LAKE                CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD                     CENTRE EASTING(UTM)   :528000
CORRIDOR NUMBER  :                                         CENTRE NORTHING(UTM)  :7690000
OFFSET DISTANCE  :                                         CENTRE LONGITUDE      :134.28333
ACCESS LENGTH    : 0                                       OFFSET DIRECTION       :
SOURCE ACCESS    :                                         KILOMETRE-POST        : 0.0

-----

CONDITION        :WINTER ICE ROAD                        DIGITIZER NUMBER     :
LAND TENURE      :CROWN                                  STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE   :                                         SITE PLAN SCALE :50000
PAST USE         :EXPLORATION RKL & BBT                  AREA : 70
STOCKPILE QUANTITY : EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :FAIR                                -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING  LAST INVESTIGATION DATE :1986
REPORTS; LAB ANALYSIS
GEOPHYSICAL DATA   : TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 11          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :3.5-10.1-19.5 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :3.2-2.7-5.0          SITE DESCRIPTION DATE :03/30/86          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL
AREA DRAINAGE          :POOR
VEGETATION             :MOSTLY BARREN
PERMAFROST FEATURES    :MASSIVE ICE
LANDFORM               :ESKER
TOPOGRAPHY             :RIDGE

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- some gravel          OVERBURDEN THICKNESS :0.3-0.7-0.9
GRANULAR THICKNESS     :4.0                      OVERBURDEN TYPE      :PEAT- root, silt
DEVELOP. POTENTIAL     :FAIR                     UNDERBURDEN TYPE     :ICE, COAL, ORGANIC IMPURITIES
DEVELOP. CONSTRAINTS   :DRAINAGE; HUNTING AND TRAPPING AREA

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

----- Test Results -----

UNIFIED SOIL:CLASS     :CL-ML/GP-SW-SM/SP
CLASSIFICATION #       : 68
PETRO NO.              : 0                      MOISTURE(%):NUMBER : 68
SIEVE ANAL. #         : 29                      MOISTURE(%):RESULTS :3-25-100
PETROGR. NO.:RESULTS  :
OTHER TESTS           :
D-50                  :000150-000500-005000
OVERSIZE(%)          :
GRAVEL(%)             :7.8
SAND(%)               :87.8
FINES(%)              :4.3

----- Material Quantity -----

CLASS 1 :
CLASS 2 :14500/66500/
CLASS 3 :
CLASS 4 :121500/427500/
CLASS 5 :

TOTAL VOLUME : 494000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 494000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :183BBT-2S          LOCAL NAMES :WILLOW LAKE, RICHARDS ISL  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :211                NTS MAP REFERENCE :107C/6E
STUDY ORDER       :186H-S11, 186EBA-RI, 172RKL-Z2  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :186H-S11, 186EBA-RI, 172RKL-Z2  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :BBT83T

----- Location Details -----

LOCATION           :50 KM WSW TUK          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)   :530500
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM)  :7690500
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.33333
ACCESS LENGTH    :13000                  CENTRE LONGITUDE :134.13333
SOURCE ACCESS    :OVERLAND ACCESS ON CREEKS AND LAKES  KILOMETRE-POST       : 0.0

-----

CONDITION        :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE      :CROWN                  STATUS :PARTIALLY EXPLORED
STOCKPILE TYPE   :                      SITE PLAN SCALE :50000
PAST USE         :RKL 1973                AREA :1250
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :FAIR                  -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING  LAST INVESTIGATION DATE :1983
GEOPHYSICAL DATA   :UNKNOWN          TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 9          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :6.0-9.0-12.0 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :--4.0          SITE DESCRIPTION DATE :03/23/83  GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE          LANDFORM        :EKSER RIDGE
AREA DRAINAGE          :MODERATELY WELL TOPOGRAPHY      :ROLLING, HUMMOCKY
VEGETATION             :MOSTLY BARREN;THIN MOSS, DWARF SHRUB
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- some gravel  OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :--4.6-            OVERBURDEN TYPE      :ORGANIC MATERIAL
DEVELOP. POTENTIAL     :POOR TO FAIR      UNDERBURDEN TYPE    :MASSIVE ICE
DEVELOP. CONSTRAINTS   :MOSTLY SAND; MASSIVE ICE; DISTANCE & ACCESS DIFFICULTIES; MORE EXPLORATION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :CL-ML-GW/SW-SM-SP/SP  D-50              :000150-001697-014000
CLASSIFICATION #       : 45                  OVERSIZE(%)       :
PETRO NO.              : 0                   MOISTURE(%) :NUMBER : 45  GRAVEL(%)          :0-15-66
SIEVE ANAL. #         : 20                  MOISTURE(%) :RESULTS :3-26-56 SAND(%)            :33-78-97
PETROGR. NO.:RESULTS :                      FINES(%)          :1-7-29
OTHER TESTS            :COAL_CONTXS-03-4.5; ORGANIC_PLATE-05-4.8

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME : 500000          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME :                      TOTAL RECOVERABLE : 365000
CLASS 3 :500000/500000/      PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : 172RKL-Z2	LOCAL NAMES : RICHARDS IS, WILLOW LAKE	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 211		NTS MAP REFERENCE : 107C/6E
STUDY ORDER : 186H-S11, 186EBA-RI, 183BBT-2S		MAP DIGITIZER NUMBER :
STUDY REFERENCE : 186H-S11, 186EBA-RI, 183BBT-2S		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 40.2 KM NE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 528500
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7696000
OFFSET DISTANCE : 8047	OFFSET DIRECTION : R
ACCESS LENGTH : 8047	KILOMETRE-POST : 49.0
SOURCE ACCESS :	
CENTRE LATITUDE : 69.36667	
CENTRE LONGITUDE : 134.25000	

CONDITION : WINTER ICE ROAD; BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 83
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 8	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.2-3.4-9.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE		LANDFORM : ESKER
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING
VEGETATION : MOSTLY BARREN; SOME MOSS AND DWARF SHRUB		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- some silt, trace gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.5	OVERBURDEN TYPE :
DEVELOP. POTENTIAL : SUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; FURTHER TESTING	

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

----- Test Results -----

UNIFIED SOIL:CLASS : GW-GP-ML/SW-SM/SP	D-50 : 000010-001371-014000
CLASSIFICATION # : 24	OVERSIZE(%) :
PETRO NO. : 1	GRAVEL(%) : 0-9-39
SIEVE ANAL. # : 19	SAND(%) : 14-74-95
PETROGR. NO.:RESULTS : 230	FINES(%) : 0-16-86
OTHER TESTS :	
MOISTURE(%):NUMBER : 24	
MOISTURE(%):RESULTS : 2-22-197	

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 380000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 380000
CLASS 3 : /500000/500000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :I86EBA-RI          LOCAL NAMES :RICHARDS IS, WILLOW LAKE  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :211E                NTS MAP REFERENCE :107C/6E
STUDY ORDER      :I86H-S11, I83BBT-2S, I72RKL-Z2  MAP DIGITIZER NUMBER :
STUDY REFERENCE  :I86H-S11, I83BBT-2S, I72RKL-Z2  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :EBA86RI

----- Location Details -----
LOCATION           :RIDGE E & W WILLOW LAKE          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD                CENTRE EASTING(UTM)   :534000
CORRIDOR NUMBER  :                                CENTRE NORTHING(UTM)  :7690000
OFFSET DISTANCE  :                                CENTRE LONGITUDE :134.11667
ACCESS LENGTH    : 0                               OFFSET DIRECTION      :
SOURCE ACCESS    :                                KILOMETRE-POST   : 0.0

-----
CONDITION        :WINTER ICE ROAD                    DIGITIZER NUMBER :
LAND TENURE      :CROWN                               STATUS :W RIDGE PARTIAL DEV
STOCKPILE TYPE   :                                SITE PLAN SCALE :50000
PAST USE         :BORROW MATERIAL                     AREA : 32
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :POOR                             -FOR PIPELINE : 0
                                                    PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING  LAST INVESTIGATION DATE :1986
GEOPHYSICAL DATA   :STUDIES; LAB ANALYSIS                TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 2          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :8.5-9.4-10.2 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :                                SITE DESCRIPTION DATE :02/04/86          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL                          LANDFORM :RIDGE;TERRACE
AREA DRAINAGE          :                                TOPOGRAPHY :RIDGE
VEGETATION             :MOSTLY BARREN
PERMAFROST FEATURES    :MASSIVE ICE

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND                                OVERBURDEN THICKNESS :0-0.3-0.5
GRANULAR THICKNESS     :-2.0-                              OVERBURDEN TYPE :ORGANIC SILT ROOTLETS
DEVELOP. POTENTIAL     :UNSUITABLE                        UNDERBURDEN TYPE :COAL, SILT, ICE
DEVELOP. CONSTRAINTS  :FURTHER RECONNAISSANCE;HIGH ICE CONTENT;MARGINALLY ACCEPTABLE SILT CONTENTS

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS     :OL-ML/SP-SM                      D-50 :000090-000100-000150
CLASSIFICATION #       : 14                              OVERSIZE(%) :
PETRO NO.              : 0                               MOISTURE(%) :NUMBER : 14
SIEVE ANAL. #         : 4                               MOISTURE(%) :RESULTS :8-25-34
PETROGR. NO.:RESULTS  :                                SAND(%) :88-92-94
OTHER TESTS           :                                FINES(%) :6-9-11

----- Material Quantity -----
CLASS 1 :                                TOTAL VOLUME : 15000          PROSPECTIVE VOLUME :
CLASS 2 :                                PROVEN VOLUME :              TOTAL RECOVERABLE : 15000
CLASS 3 :                                PROBABLE VOLUME :             ANNUAL RECOVERABLE : 15000
CLASS 4 :15000//
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z2	LOCAL NAMES : RICHARDS IS, LOUSY POINT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 212		NTS MAP REFERENCE : 107C/6E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 3.2 KM NW LOUSY POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 527000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7684000
OFFSET DISTANCE : 2000	OFFSET DIRECTION : R
ACCESS LENGTH : 4000	KILOMETRE-POST : 0.0
SOURCE ACCESS :	
CENTRE LATITUDE : 69.26667	
CENTRE LONGITUDE : 134.30000	

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 63
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 1	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH : 4.6-4.6-4.6	TESTPITS:DEPTH : 0.8-1.0-1.4	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GENTLE TO GRADUAL		LANDFORM : OUTWASH REMNANT
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING, HUMMOCKY
VEGETATION : HEAVY MOSS AND DWARF SHRUBS		
PERMAFROST FEATURES : POLYGONAL ICE WEDGES		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- little gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.4	OVERBURDEN TYPE : PEAT
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE; FURTHER DELINEATION	

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

----- Test Results -----

UNIFIED SOIL:CLASS : PT-GP-ML/SM-SW/		D-50 : 000090-000150-000450
CLASSIFICATION # : 6		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 6	GRAVEL(%) : 0-2-19
SIEVE ANAL. # : 3	MOISTURE(%) : RESULTS : 3-27-64	SAND(%) : 63-70-80
PETROGR. NO. : RESULTS :		FINES(%) : 1-30-35
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 190000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 190000
CLASS 3 : /190000/190000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I72RKL-Z2          LOCAL NAMES :RICHARDS ISLAND          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :213                NTS MAP REFERENCE :107C/6E
STUDY ORDER      :I86H-S11            MAP DIGITIZER NUMBER :
STUDY REFERENCE  :I86H-S11            MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE  :RKL7322

----- Location Details -----
LOCATION           :38.6 KM NE TUNUNUK POINT          CENTRE ZONE(UTM) : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD                CENTRE EASTING(UTM) :534000
CORRIDOR NUMBER  :                                CENTRE NORTHING(UTM) :7692000
OFFSET DISTANCE  :                                CENTRE LATITUDE :69.30000
ACCESS LENGTH    : 0                            CENTRE LONGITUDE :134.11667
SOURCE ACCESS    :                                OFFSET DIRECTION :
KILOMETRE-POST   : 0.0

-----
CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER    DIGITIZER NUMBER :
LAND TENURE      :CROWN                            STATUS :UNDEVELOPED
STOCKPILE TYPE   :                                SITE PLAN SCALE :36000
PAST USE         :                                AREA : 66
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                                -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA : PREVIOUS STUDIES
TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 2          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH :            TESTPITS:DEPTH :0.6-0.6-0.6 EXPOSURES:DEPTH :2.4

----- Source Description -----
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP                    LANDFORM :TERRACE REMNANTS
AREA DRAINAGE          :MODERATE                             TOPOGRAPHY :ROLLING, PINGO & MEL
VEGETATION             :GRASS, DWARF BIRCH AND WILLOW
PERMAFROST FEATURES :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- trace silt                    OVERBURDEN THICKNESS :--0.6
GRANULAR THICKNESS     :1.5                                OVERBURDEN TYPE :ORGANIC SILT
DEVELOP. POTENTIAL     :POOR                                UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; FISH SPAWNING; MASSIVE ICE; LOW QUALITY

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :GW-OL/SP/
CLASSIFICATION # : 1
PETRO NO. : 0
SIEVE ANAL. # : 1
PETROGR. NO.:RESULTS :
OTHER TESTS :
MOISTURE(%):NUMBER : 1
MOISTURE(%):RESULTS :3.9
D-50 :000180
OVERSIZE(%) :
GRAVEL(%) :0
SAND(%) :97
FINES(%) :3

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :/304000/304000
CLASS 5 :
TOTAL VOLUME : 304000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE : 304000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-22          LOCAL NAMES :RICHARDS ISLAND          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :214                                NTS MAP REFERENCE :107C/7W
STUDY ORDER       :I86H-S11              MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-S11              MAP LOC./PLAN SCALE  : 633600
SOURCE REFERENCE  :RKL7322

----- Location Details -----

LOCATION            :41.8 KM NE TUNUNUK POINT          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME     :MACKENZIE ICE ROAD                CENTRE EASTING(UTM)   :539500
CORRIDOR NUMBER   :                                CENTRE NORTHING(UTM)  :7686500
OFFSET DISTANCE   :                                CENTRE LATITUDE :69.28333
ACCESS LENGTH     : 0                               CENTRE LONGITUDE :133.96667
SOURCE ACCESS     :                                OFFSET DIRECTION      :
KILOMETRE-POST    : 0.0

-----

CONDITION          :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE        :INUIALUIT 7(1)(B)- INUVIK        STATUS :UNDEVELOPED
STOCKPILE TYPE     :                                SITE PLAN SCALE :36000
PAST USE           :                                AREA : 63
STOCKPILE QUANTITY :                                EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                                -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES
GEOPHYSICAL DATA   :                                TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH :0.9          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL                               LANDFORM :TERRACE REMNANT
AREA DRAINAGE          :MODERATE                              TOPOGRAPHY :SLOPING EMBANKMENT
VEGETATION             :MOSS, LICHENS, SCATTERED DWARF SHRUBS
PERMAFROST FEATURES    :MASSIVE ICE EXPECTED

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- trace silt                OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.6                             OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :POOR                             UNDERBURDEN TYPE :MASSIVE ICE EXPECTED
DEVELOP. CONSTRAINTS   :IMPORTANT WATERFOWL; SILTATION; MASSIVE ICE; LOW QUALITY

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

----- Test Results -----

UNIFIED SOIL:CLASS     :OL/SM/SP
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 1          D-50 :? .15
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :3.7        OVERSIZE(%) :
PETROGR. NO.:RESULTS  :                                GRAVEL(%) :2
OTHER TESTS           :                                SAND(%) :95
FINES(%) :3

----- Material Quantity -----

CLASS 1 :                                TOTAL VOLUME : 304000          PROSPECTIVE VOLUME :
CLASS 2 :                                PROVEN VOLUME :                                TOTAL RECOVERABLE : 304000
CLASS 3 :/304000/304000          PROBABLE VOLUME :                                ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :172RKL-22	LOCAL NAMES :RICHARDS ISLAND	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :215		NTS MAP REFERENCE :107C/6E
STUDY ORDER :186H-S11		MAP DIGITIZER NUMBER :
STUDY REFERENCE :186H-S11		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE :RKL7322		

----- Location Details -----

LOCATION :33.7 KM NE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME :MACKENZIE ICE ROAD	CENTRE EASTING(UTM) :530000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :7684500
OFFSET DISTANCE :	CENTRE LATITUDE :69.26667
ACCESS LENGTH : 0	CENTRE LONGITUDE :134.21667
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST : 0.0

CONDITION :WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER :
LAND TENURE :INUVIALUIT 7(1)(B)- INUVIK	STATUS :UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE :36000
PAST USE :	AREA : 5
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE :1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 0	EXPOSURES:NUMBER : 1	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :3.0	

----- Source Description -----

ACTIVE LAYER THICKNESS :1.8	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE :GRADUAL		LANDFORM :DELTA REMNANT
AREA DRAINAGE :MODERATE		TOPOGRAPHY :RIVER BANK
VEGETATION :MOSS, LICHEN, SCATTERED DWARF SHRUBS		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :SAND- gravel, trace silt	OVERBURDEN THICKNESS :1.8
GRANULAR THICKNESS :1.2	OVERBURDEN TYPE :PEAT, sand & silt
DEVELOP. POTENTIAL :UNSUITABLE	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :IMPORTANT WATERFOWL & REINDEER; SILTATION; EXTENSIVE STRIPPING; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS :PT/SM/SW		D-50 :003700
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER : 1	GRAVEL(%) :48
SIEVE ANAL. # : 1	MOISTURE(%) :RESULTS :3.7	SAND(%) :50
PETROGR. NO.:RESULTS :291		FINES(%) :02
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 22800	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 22800
CLASS 3 :/22800/22800	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I72RKL-Z2	LOCAL NAMES : RICHARDS IS, LOUSY POINT	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 218		NTS MAP REFERENCE : 107C/6E
STUDY ORDER : I86EBA-RI		MAP DIGITIZER NUMBER :
STUDY REFERENCE : I86EBA-RI		MAP LOC./PLAN SCALE : 633600
SOURCE REFERENCE : RKL7322		

----- Location Details -----

LOCATION : 30 KM NE TUNUNUK POINT	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 523000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7684000
OFFSET DISTANCE : 8047	CENTRE LATITUDE : 69.26667
ACCESS LENGTH : 8047	CENTRE LONGITUDE : 134.41667
SOURCE ACCESS : OVER LAND AND LAKES	OFFSET DIRECTION : L
	KILOMETRE-POST : 0.0

CONDITION : WINTER ICE ROAD	DIGITIZER NUMBER :
LAND TENURE : CROWN	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 36000
PAST USE :	AREA : 83
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; DELINEATION; PRODUCTION DRILLING; REVIEW	LAST INVESTIGATION DATE : 1972
PREVIOUS STUDIES	
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.1	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : / /	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL TO STEEP		LANDFORM : OUTWASH
AREA DRAINAGE : MODERATE		TOPOGRAPHY : ROLLING HILLOCKS
VEGETATION : SLOPES BARE; TOPS PARTLY BARE, SOME MOSS, LICHENS, SCATTERED DWARF SHRUBS		
PERMAFROST FEATURES : ICE WEDGING		

----- Source Stratigraphy -----

GRANULAR TYPE : SAND- little gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.1	OVERBURDEN TYPE :
DEVELOP. POTENTIAL : FAIR	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : IMPORTANT WATERFOWL & REINDEER; MASSIVE ICE	

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

----- Test Results -----

UNIFIED SOIL:CLASS : /SW/		D-50 : 000650
CLASSIFICATION # : 1		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER : 1	GRAVEL(%) : 14
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS : 3	SAND(%) : 85
PETROGR. NO.:RESULTS :		FINES(%) : 1
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 228000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 228000
CLASS 3 : /228000/228000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 0
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A: LOCATION AND STATUS =====
STUDY NUMBER      :I86EBA-RI          LOCAL NAMES :RICHARDS IS, MID LAKE    NEW SOURCE NUMBER  :
SOURCE NUMBER(S)  :218                NTS MAP REFERENCE :107C/3
STUDY ORDER      :I72RKL-Z2          MAP DIGITIZER NUMBER :
STUDY REFERENCE  :I72RKL-Z2          MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :EBA86R1

----- Location Details -----
LOCATION           :NW SHORE MID LAKE    CENTRE ZONE(UTM)    : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD    CENTRE EASTING(UTM) :521500
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM) :7683500
OFFSET DISTANCE  :                      CENTRE LATITUDE :69.25000
ACCESS LENGTH    : 0                   CENTRE LONGITUDE :134.46667
SOURCE ACCESS    :                      OFFSET DIRECTION  :
                                           KILOMETRE-POST    : 0.0

-----
CONDITION        :WINTER ICE ROAD      DIGITIZER NUMBER  :
LAND TENURE      :CROWN                STATUS :PARTIALLY DEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :50000
PAST USE         :RKL EXPLORATION       AREA : 69
STOCKPILE QUANTITY :                    EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :FAIR                -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING  LAST INVESTIGATION DATE :1986
REPORTS; LAB ANALYSIS
GEOPHYSICAL DATA   :                  TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER : 2          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :5.2-6.2-7.1 TESTPITS:DEPTH :            EXPOSURES:DEPTH :

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/29/86    GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL    LANDFORM          :HILLOCKS
AREA DRAINAGE          :          TOPOGRAPHY          :HILLOCKS
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :SAND- silt    OVERBURDEN THICKNESS :-0.3-
GRANULAR THICKNESS     :-4.5-        OVERBURDEN TYPE      :ORGANIC SILT, ROOTS
DEVELOP. POTENTIAL     :POOR TO GOOD UNDERBURDEN TYPE     :SILT, CLAY, ICE
DEVELOP. CONSTRAINTS   :FURTHER RECONNAISSANCE; SILT, MASSIVE ICE, FINE SAND; HIGH MOISTURE CONTENT

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :ML/ML-SP-SM/
CLASSIFICATION #      : 14
PETRO NO.             : 0          MOISTURE(%):NUMBER : 14          D-50 :000300
SIEVE ANAL. #        : 1          MOISTURE(%):RESULTS :4-33-88    OVERSIZE(%) :
PETROGR. NO.:RESULTS :          GRAVEL(%) :0
OTHER TESTS          :          SAND(%) :92.6
                                           FINES(%) :7.4

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :I86EBA-RI          LOCAL NAMES :RICHARDS ISLAND          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :218N                NTS MAP REFERENCE :107C/6E
STUDY ORDER       :I72RKL-Z2           MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I72RKL-Z2           MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :EBA86RI

----- Location Details -----

LOCATION           :N OF MID LAKE          CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :MACKENZIE ICE ROAD      CENTRE EASTING(UTM)   :523500
CORRIDOR NUMBER  :                        CENTRE NORTHING(UTM)  :7688000
OFFSET DISTANCE  :                        CENTRE LATITUDE :69.30000
ACCESS LENGTH    : 0                      CENTRE LONGITUDE :134.43333
SOURCE ACCESS    :                        OFFSET DIRECTION   :
                                           KILOMETRE-POST      : 0.0

-----

CONDITION         :WINTER ICE ROAD        DIGITIZER NUMBER :
LAND TENURE       :CROWN                  STATUS :UNDEVELOPED
STOCKPILE TYPE    :                        SITE PLAN SCALE :50000
PAST USE          :                        AREA : 106
STOCKPILE QUANTITY :                        EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                       -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; EXPLOR. DRILLING; REVIEW EXISTING      LAST INVESTIGATION DATE :1986
GEOPHYSICAL DATA   :REPORTS; LAB ANALYSIS                                     TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 3          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH :6.2-7.6-8.5 TESTPITS:DEPTH :          EXPOSURES:DEPTH :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/30/86          GENERIC ORIGIN :GLACIAL
SLOPE                  :GRADUAL          LANDFORM :OUTWASH
AREA DRAINAGE          :          TOPOGRAPHY :SMALL HILLOCKS AND R
VEGETATION             :
PERMAFROST FEATURES   :

----- Source Stratigraphy -----

GRANULAR TYPE          :SAND- silt and ice          OVERBURDEN THICKNESS :1.5-1.8-2.0
GRANULAR THICKNESS     :0-3.3-6.5          OVERBURDEN TYPE :PEAT- rootlets, organic silt
DEVELOP. POTENTIAL     :POOR TO GOOD          UNDERBURDEN TYPE :ICE-CLAY TILL-SILT
DEVELOP. CONSTRAINTS  :MASSIVE ICE; THIN LAYER GRANULAR MATERIAL; INTERBEDDED SILT

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

----- Test Results -----

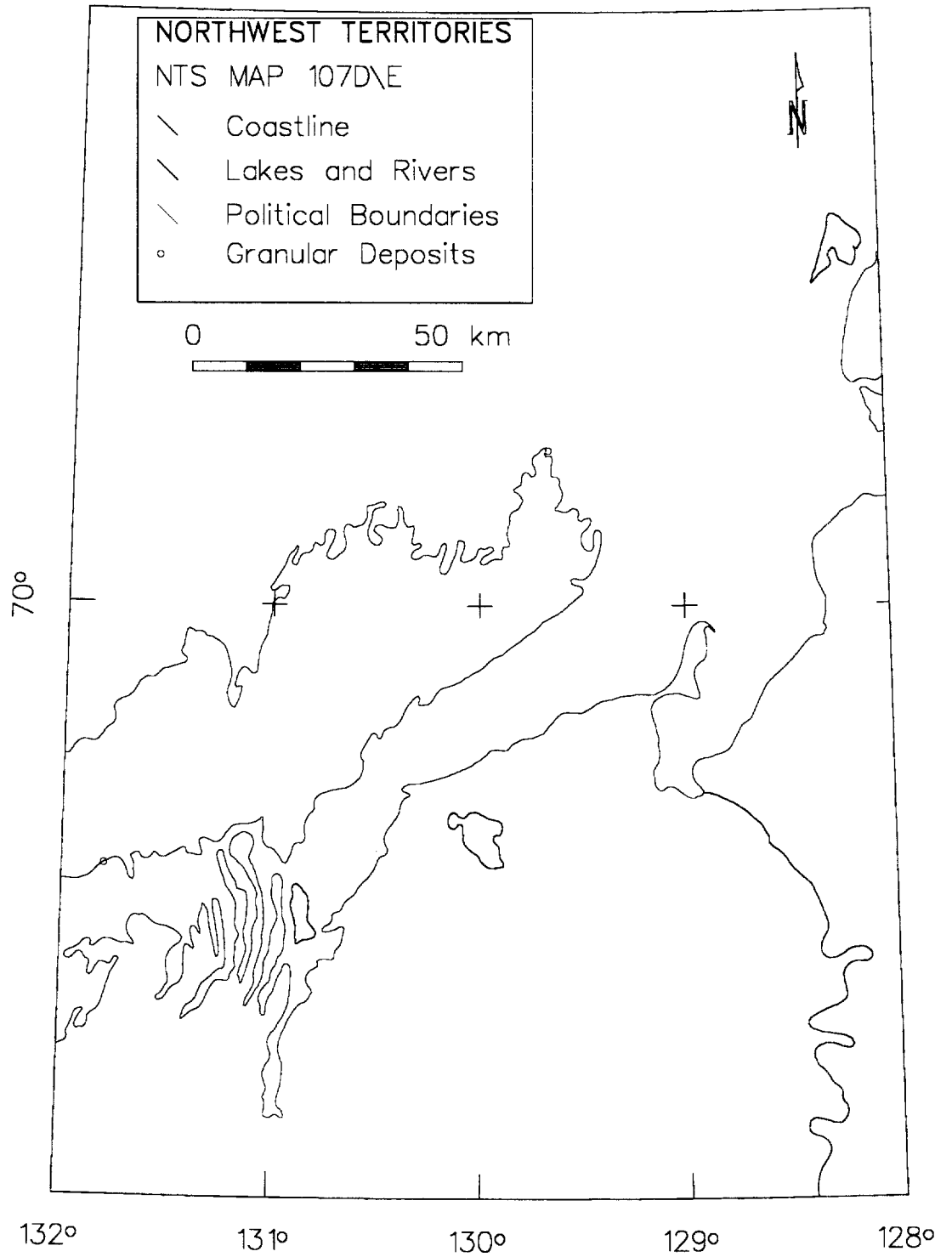
UNIFIED SOIL:CLASS :GM/ML-SP-SM/
CLASSIFICATION #    : 27
PETRO NO.          : 0
SIEVE ANAL. #      : 0
PETROGR. NO.:RESULTS :
OTHER TESTS        :

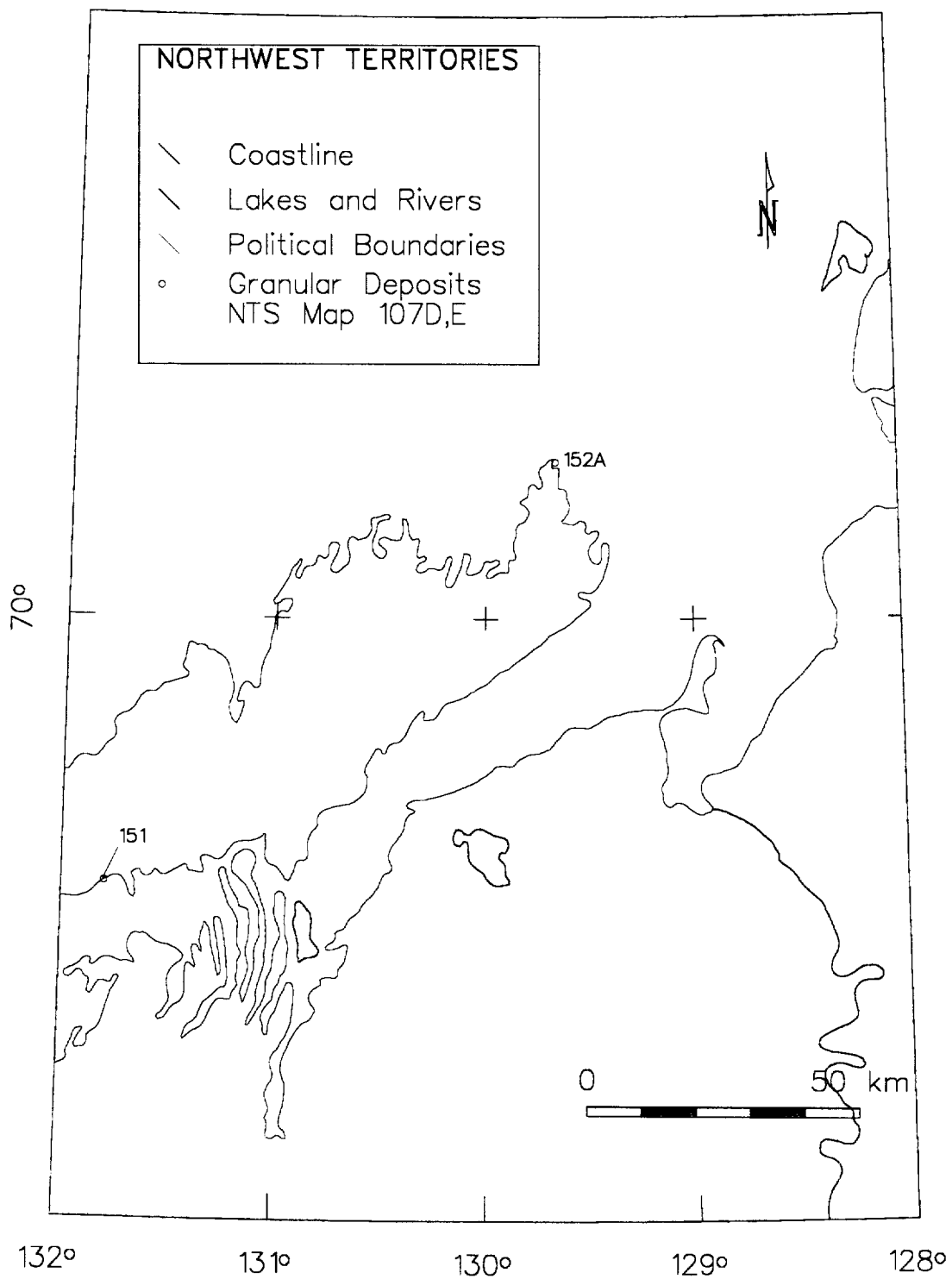
MOISTURE(%):NUMBER : 27
MOISTURE(%):RESULTS :11-31-295

D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----

CLASS 1 :          TOTAL VOLUME : 0          PROSPECTIVE VOLUME :
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE : 0
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE : 0
CLASS 4 :
CLASS 5 :
  
```





DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
151	/ /	107D/12	391000	7719000	GRAVEL- some sand	GLACIOFLUVIAL
152A	/ /	107E/7	475000	7795000	SAND- trace silt	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :I72RKL-Z1          LOCAL NAMES :ESKIMO LAKES          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :151                CENTRE LATITUDE :69.56667          NTS MAP REFERENCE :107D/12
STUDY ORDER       :I86H-SI1           CENTRE LONGITUDE:131.83333        MAP DIGITIZER NUMBER :
STUDY REFERENCE   :I86H-SI1           OFFSET DIRECTION :                      MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :RKL7321            KILOMETRE-POST   : 0.0

----- Location Details -----

LOCATION           :48.3 KM E OF TUK          CENTRE ZONE(UTM)   : 9
CORRIDOR NAME    :WINTER ICE ROAD          CENTRE EASTING(UTM):391000
CORRIDOR NUMBER  :                          CENTRE NORTHING(UTM):7719000
OFFSET DISTANCE  :                          OFFSET DIRECTION :
ACCESS LENGTH    : 0                        KILOMETRE-POST    : 0.0
SOURCE ACCESS    :ACROSS ESKIMO LAKES

-----

CONDITION        :WINTER ICE ROAD;BARGE IN SUMMER  DIGITIZER NUMBER :
LAND TENURE      :INUVIALUIT 7(1)(B)- TUK          STATUS :UNDEVELOPED
STOCKPILE TYPE   :                          SITE PLAN SCALE :36000
PAST USE         :                          AREA : 752
STOCKPILE QUANTITY :                          EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                          -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; DELINEATION; PRODUCTION  LAST INVESTIGATION DATE :1972
GEOPHYSICAL DATA   :                                          TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 0          EXPOSURES:NUMBER : 1          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :           EXPOSURES:DEPTH  :2.4

----- Source Description -----

ACTIVE LAYER THICKNESS :0.3          SITE DESCRIPTION DATE : / /          GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GRADUAL TO STEEP          LANDFORM        :OUTWASH, RIDGE AND B
AREA DRAINAGE          :MODERATE                TOPOGRAPHY      :ROLLING
VEGETATION             :MOSS, LICHENS, SOME DWARF SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :GRAVEL- some sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :2.4                      OVERBURDEN TYPE      :ORGANIC SOIL
DEVELOP. POTENTIAL     :SUITABLE                  UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS   :MACKENZIE REINDEER GRAZING RESERVE; WILDLIFE HABITAT; LAKE SILTATION

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

----- Test Results -----

UNIFIED SOIL:CLASS     :SM/GW/
CLASSIFICATION #       : 1
PETRO NO.              : 1          MOISTURE(%):NUMBER : 1          D-50          :015000
SIEVE ANAL. #         : 1          MOISTURE(%):RESULTS :1          OVERSIZE(%)   :
PETROGR. NO.:RESULTS  :150          GRAVEL(%)      :80
OTHER TESTS           :              SAND(%)        :20
                                           FINES(%)       :0

----- Material Quantity -----

CLASS 1 :
CLASS 2 :
CLASS 3 :/380000/380000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME : 380000          PROSPECTIVE VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :
TOTAL RECOVERABLE : 380000
ANNUAL RECOVERABLE : 0
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:172RKL-Z1	LOCAL NAMES	:CAPE DALHOUSIE	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:152A			NTS MAP REFERENCE	:107E/7
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:RKL7321				

----- Location Details -----

LOCATION	:161 KM NE OF TUK	CENTRE ZONE(UTM)	: 9
CORRIDOR NAME	:COASTAL ICE ROAD	CENTRE EASTING(UTM)	:475000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:7795000
OFFSET DISTANCE	:	CENTRE LATITUDE	:70.28333
ACCESS LENGTH	: 0	CENTRE LONGITUDE	:129.66667
SOURCE ACCESS	:	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

----- Condition and Digitizer Information -----

CONDITION	:WINTER ICE ROAD;BARGE IN SUMMER	DIGITIZER NUMBER	:
LAND TENURE	:CROWN	STATUS	:UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE	:36000
PAST USE	:	AREA	: 21
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:

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

INVESTIGATION LEVEL	:AIRPHOTO; RECONN; DELINEATION; PRODUCTION	LAST INVESTIGATION DATE	:1972
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	: 0	TESTPITS:NUMBER	: 1	EXPOSURES:NUMBER	: 0	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:0.6	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:GENTLE			LANDFORM	:OCEAN SPIT
AREA DRAINAGE	:MODERATE			TOPOGRAPHY	:BEACH
VEGETATION	:BARREN				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	:SAND- trace silt	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	:0.6	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:POOR	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:POOR QUALITY LOW VOLUME;COASTAL EROSION;WILDLIFE HABITAT;MACKENZIE REINDEER		

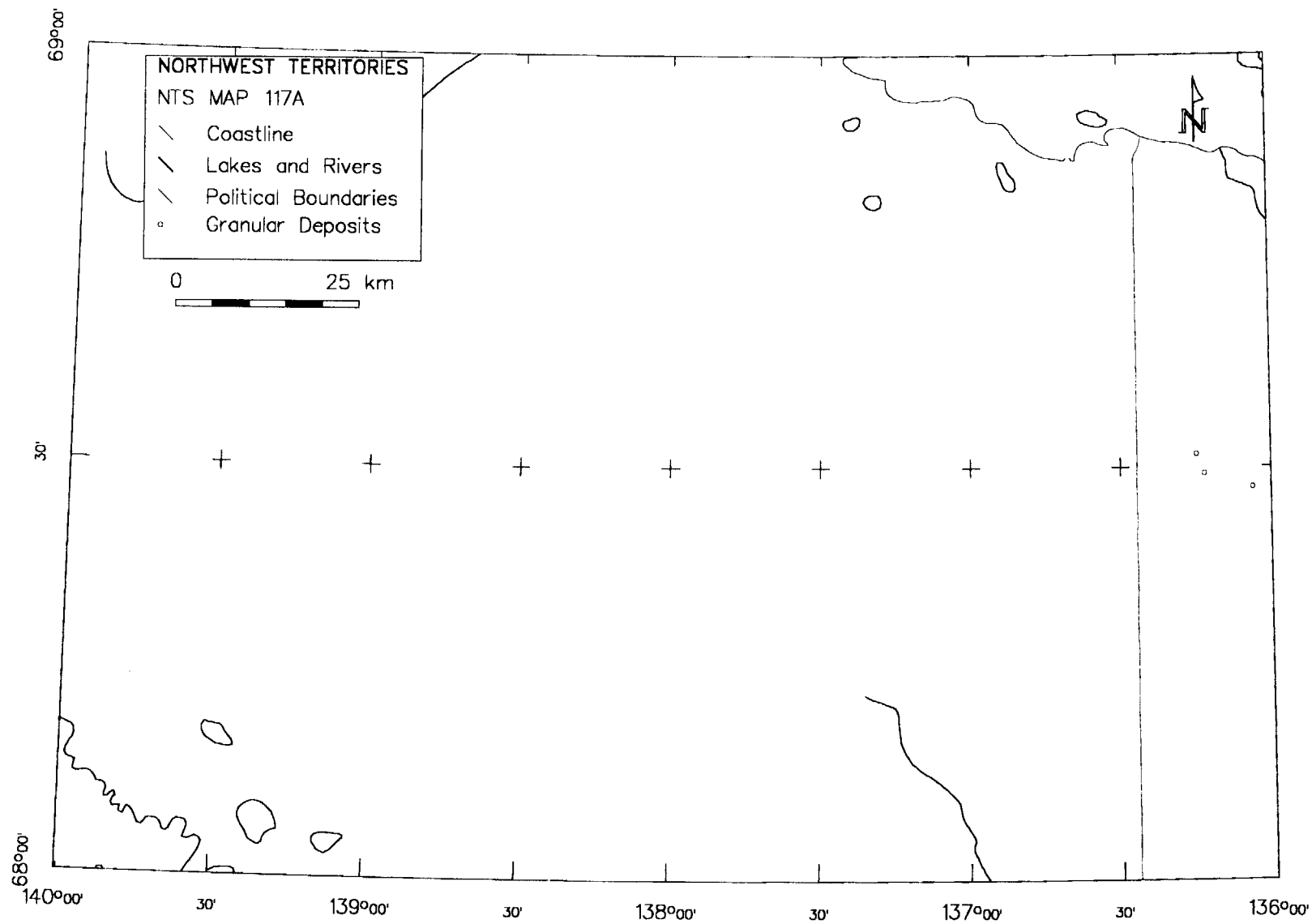
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

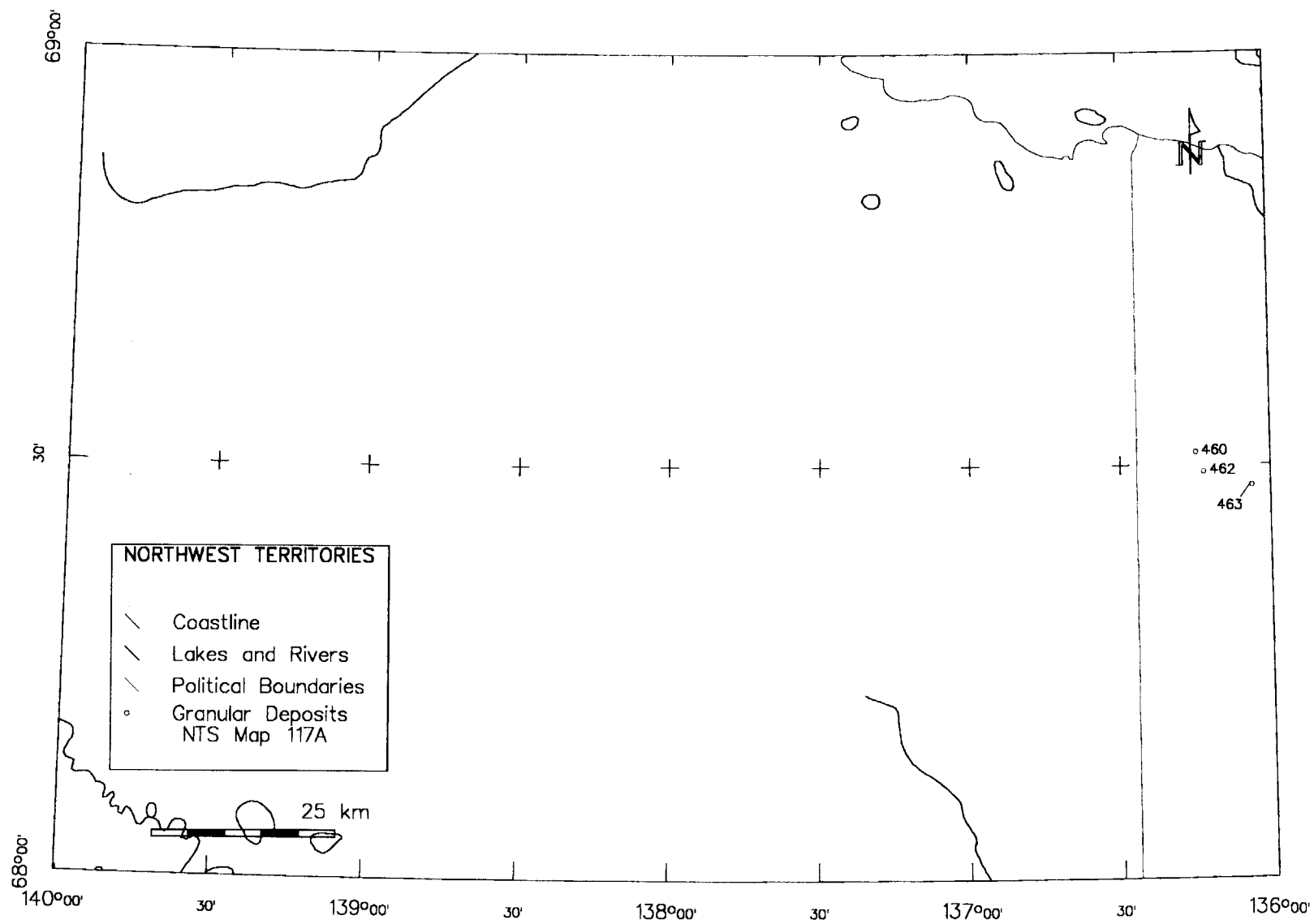
----- Test Results -----

UNIFIED SOIL:CLASS	:ML/SP/	D-50	:000230
CLASSIFICATION #	: 1	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:0
SIEVE ANAL. #	: 1	SAND(%)	:94
PETROGR. NO.:RESULTS	:	FINES(%)	:6
OTHER TESTS	:		

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 3800	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	: 3800
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	: 0
CLASS 4	:/3800/3800				
CLASS 5	:				





DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
460	10/09/76	117A/9E	449000	7600700	GRAVEL- little sand	GLACIOFLUVIAL
462	10/12/76	117A/8E	450000	7598000	GRAVEL- sand, little fines	GLACIOFLUVIAL
463	10/12/76	117A/8E	456500	7596000	QUARTZ, SANDSTONE, RUBBLE	GLACIOFLUVIAL

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : I76H-GYMS	LOCAL NAMES : FISH RIVER	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 460		NTS MAP REFERENCE : 117A/9E
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : RMH76Y		

----- Location Details -----

LOCATION : 62.5 KM NW OF AKLAVIK	CENTRE ZONE(UTM) : 8
CORRIDOR NAME : MACKENZIE ICE ROAD	CENTRE EASTING(UTM) : 449000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 7600700
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH : 0	KILOMETRE-POST : 0.0
SOURCE ACCESS : ACROSS DELTA & ALONG CHANNELS; SUMMER ALONG CHANNELS	

CONDITION : WINTER ICE ROAD; STREAMS AND CHANNELS	DIGITIZER NUMBER :
LAND TENURE : INUVIALUIT 7(1)(A)- AKLAVIK	STATUS : UNDEVELOPED
STOCKPILE TYPE :	SITE PLAN SCALE : 60000
PAST USE :	AREA : 348
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :	-FOR PIPELINE : 0
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL : AIRPHOTO; RECONN; TESTPITS	LAST INVESTIGATION DATE : 1976
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER : 0	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.5-1.6-1.7	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS : -2.4	SITE DESCRIPTION DATE : 10/09/76	GENERIC ORIGIN : GLACIOFLUVIAL
SLOPE : GRADUAL		LANDFORM : FLOODPLAIN
AREA DRAINAGE : WELL		TOPOGRAPHY : CANYON
VEGETATION : PATCHY HERBACEOUS PLANTS AND SHRUBS; DRIFTWOOD		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : GRAVEL- little sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : -9.1	OVERBURDEN TYPE : NONE
DEVELOP. POTENTIAL : FAIR TO GOOD	UNDERBURDEN TYPE : SAND, ROCK, WATER
DEVELOP. CONSTRAINTS : GROUNDWATER; LIMITED ACCESS STEEP CANYON WALLS; FISHERIES	

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

----- Test Results -----

UNIFIED SOIL:CLASS : SP/GW/GW	D-50 : 009000-010000-011000
CLASSIFICATION # : 2	OVERSIZE(%) : 14-16-19
PETRO NO. : 1	GRAVEL(%) : 55-60-66
SIEVE ANAL. # : 2	SAND(%) : 32-37-43
PETROGR. NO.:RESULTS : 106	FINES(%) : 2-2-3
OTHER TESTS : ORGAN_PLATE-01-2; COAL_CONT-01-0.06;	
[COARSE(FINE)]SULPH_SD-01-17.56(-01-29.56);	
ABSORPTION%-01-2.54(-01-3.69); SPEC_G-01-2.54(-01-2.61)	

----- Material Quantity -----

CLASS 1 : /19000000/19000000	TOTAL VOLUME : 19000000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 19000000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE : 59280
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

```
STUDY NUMBER      :176H-GYMS          LOCAL NAMES :CACHE (LITTLE FISH) CREEK  NEW SOURCE NUMBER  :
SOURCE NUMBER(S)  :462                NTS MAP REFERENCE :117A/8E
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                    MAP LOC./PLAN SCALE  :    250000
SOURCE REFERENCE :RMH76Y
```

----- Location Details

LOCATION	:52.5 KM WNW OF AKLAVIK	CENTRE_ZONE(UTM)	: 8
CORRIDOR NAME:	:	CENTRE_EASTING(UTM)	:450000
CORRIDOR NUMBER	:	CENTRE_NORTHING(UTM)	:7598000
OFFSET DISTANCE	:	CENTRE_LATITUDE	:68.48333
ACCESS LENGTH	: 0	CENTRE_LONGITUDE	:136.20000
SOURCE ACCESS	:ALONG CACHE CK & BIG FISH R CANYONS WINTER & SUMMER	OFFSET DIRECTION	:
		KILOMETRE-POST	: 0.0

CONDITION	:WINTER ICE ROAD;STREAMS & CHANNELS	DIGITIZER NUMBER :	
LAND TENURE	:INUVALUIT 7(1)(A)- AKLAVIK	STATUS :	UNDEVELOPED
STOCKPILE TYPE	:	SITE PLAN SCALE :	56400
PAST USE	:	AREA :	453
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY :	0
PERFORMANCE RATING	:	-FOR PIPELINE :	0
		PRIORITY FOR FUTURE STUDY :	

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS
GEOPHYSICAL DATA :
LAST INVESTIGATION DATE :1976
TEST HOLE DENSITY :

----- Subsurface Data

BOREHOLES:NUMBER : 0 TESTPITS:NUMBER : 2 EXPOSURES:NUMBER : 0 DATA QUALITY :
BOREHOLES:DEPTH : TESTPITS:DEPTH :1-6-4,1-6-7 EXPOSURES:DEPTH :

----- Source Description

ACTIVE LAYER THICKNESS	:0.6-0.8-0.9	SITE DESCRIPTION DATE	:10/12/76	GENERIC ORIGIN	:GLACIOFLUVIAL
SLOPE	:STEEP			LANDFORM	:TERRACES
AREA DRAINAGE	:WELL;SOME POOR			TOPOGRAPHY	:HUMMOCKY TO STEEP TE
VEGETATION	:SEDGE TUSsock TUNDRA, SOME AREAS BARREN				
PERMAFROST FEATURES	:				

----- Source Stratigraphy

GRANULAR TYPE	:GRAVEL- sand, little fines	OVERBURDEN THICKNESS	:0.6-1.8-3.0
GRANULAR THICKNESS	:-4.6-10.6	OVERBURDEN TYPE	:PEAT- organic silt
DEVELOP. POTENTIAL	:FAIR	UNDERBURDEN TYPE	:BEDROCK
DEVELOP. CONSTRAINTS	:ACCESS MODERATELY DIFFICULT; AFFECT FISHERIES; NEEDS FURTHER INVESTIGATION		

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

----- Test Results

UNIFIED SOIL CLASSIFICATION #	: ML/GW/GW		D-50	: 015000-017000-019000
PETRO NO.	: 0	MOISTURE(%) : NUMBER :	OVERSIZE(%)	: 1-3-4
SIEVE ANAL. #	: 2	MOISTURE(%) : RESULTS :	GRAVEL(%)	: 66-70-75
PETROGR. NO. : RESULTS	:		SAND(%)	: 19-22-25
OTHER TESTS	:		FINES(%)	: 7-8-9

----- Material Quantity

CLASS 1 :	TOTAL VOLUME :	12540000	PROSPECTIVE VOLUME :
CLASS 2 :/12540000/12540000	PROVEN VOLUME :		TOTAL RECOVERABLE : 12540000
CLASS 3 :	PROBABLE VOLUME :		ANNUAL RECOVERABLE : 6612
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :176H-GYMS          LOCAL NAMES :3.2 KM W OF CACHE CREEK  NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :463                NTS MAP REFERENCE :117A/8E
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :RMH76Y

----- Location Details -----

LOCATION           :50 KM WNW OF AKLAVIK  CENTRE ZONE(UTM)      : 8
CORRIDOR NAME    :                      CENTRE EASTING(UTM)   :456500
CORRIDOR NUMBER  :                      CENTRE NORTHING(UTM)  :7596000
OFFSET DISTANCE  :                      CENTRE LATITUDE :68.45000
ACCESS LENGTH    : 0                    CENTRE LONGITUDE :136.08333
SOURCE ACCESS    :CROSSING OF MODERATE SLOPES ON RIDGE TOPS, DIFFICULT
                                           OFFSET DIRECTION   :
                                           KILOMETRE-POST      : 0.0

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CONDITION        :                      DIGITIZER NUMBER :
LAND TENURE      :INUVALUIT 7(1)(A)- AKLAVIK  STATUS :UNDEVELOPED
STOCKPILE TYPE   :                      SITE PLAN SCALE :56400
PAST USE         :                      AREA : 256
STOCKPILE QUANTITY :                      EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                      -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :AIRPHOTO; RECONN; TESTPITS  LAST INVESTIGATION DATE :1976
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER : 0          TESTPITS:NUMBER : 1          EXPOSURES:NUMBER : 0          DATA QUALITY :
BOREHOLES:DEPTH  :           TESTPITS:DEPTH  :1.2          EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :10/12/76  GENERIC ORIGIN :GLACIOFLUVIAL
SLOPE                  :GENTLE TO MODERATE  LANDFORM        :SCREE-COVERED RIDGE
AREA DRAINAGE          :EXCELLENT           TOPOGRAPHY   :ROUNDED RIDGES
VEGETATION             :BARREN;PATCHES OF MOSS, SEDGES, LICHENS, SHRUBS
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :QUARTZ, SANDSTONE, RUBBLE  OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :          OVERBURDEN TYPE   :
DEVELOP. POTENTIAL     :FAIR                   UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS   :DIFFICULT ACCESS; SLOPES SUSCEPTIBLE TO THERMOKARST

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

----- Test Results -----

UNIFIED SOIL:CLASS     :SP/GP/
CLASSIFICATION #       : 1
PETRO NO.              : 0          MOISTURE(%):NUMBER : 0          D-50          :050000
SIEVE ANAL. #         : 0          MOISTURE(%):RESULTS :          OVERSIZE(%) :61.9
PETROGR. NO.:RESULTS  :          GRAVEL(%)       :79.4
OTHER TESTS           :          SAND(%)         :10.6
                                           FINES(%)        :10

----- Material Quantity -----

CLASS 1 :                      TOTAL VOLUME      : 3116000          PROSPECTIVE VOLUME :
CLASS 2 :                      PROVEN VOLUME     :                      TOTAL RECOVERABLE  : 3116000
CLASS 3 :/3116000/3116000      PROBABLE VOLUME :                      ANNUAL RECOVERABLE : 7600
CLASS 4 :
CLASS 5 :
  
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