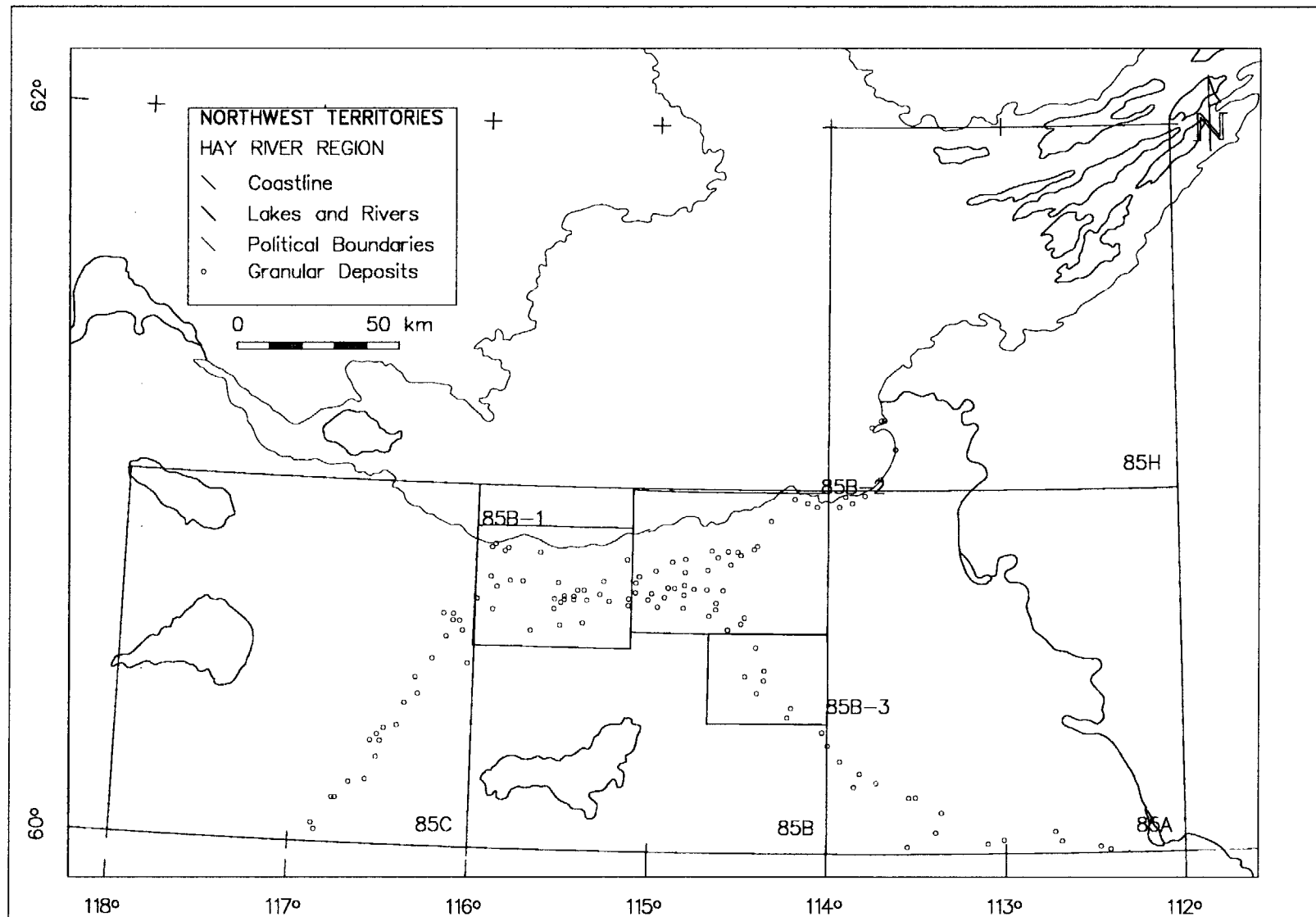
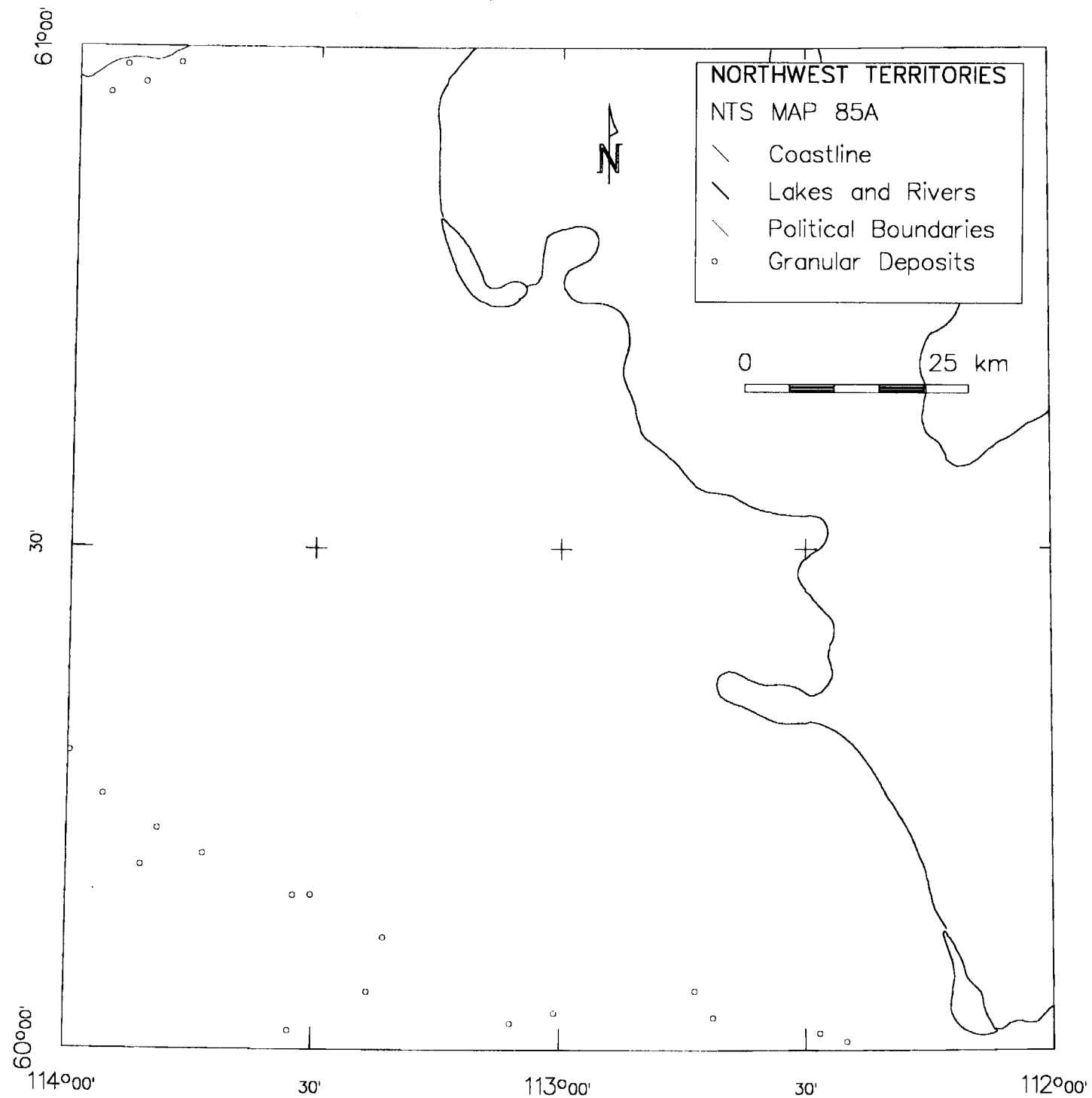
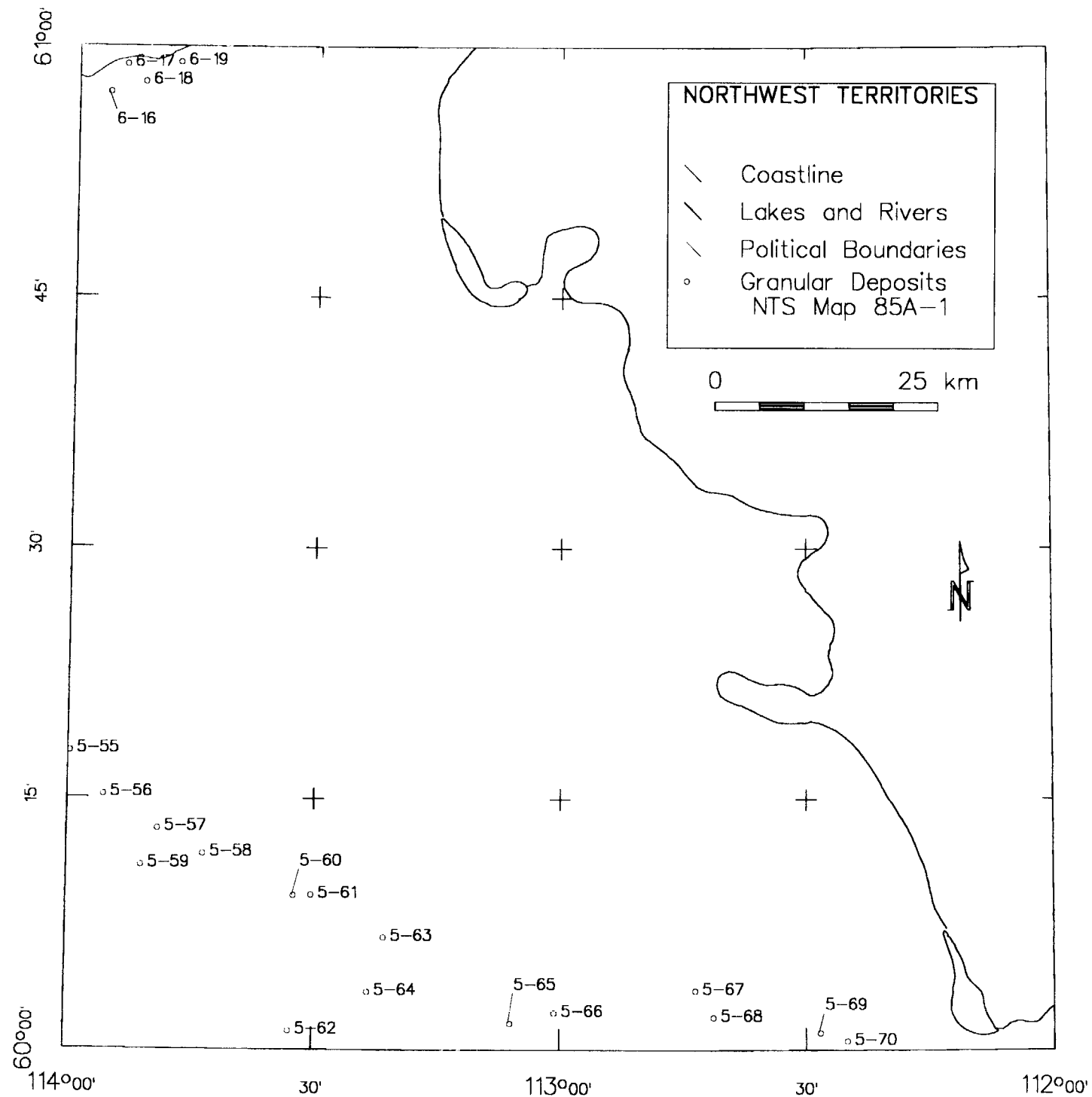


HAY RIVER
GRANULAR DEPOSITS









DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
5-54	03/16/87	85A	664000	6692000	silty fine windblown sand	eolian
5-55	03/16/87	85A	666000	6688000		eolian
5-56	03/16/87	85A	338000	6683000	sandy gravel	
5-57	03/16/87	85A	344000	6679000	silty fine sand	eolian
5-58	03/16/87	85A	349000	6676000	sandy gravel	glaciofluvial
5-59	03/16/87	85A	342000	6675000	interbedded sands & gravel	glaciofluvial
5-60	03/16/87	85A	359000	6671000	silty fine sand	eolian
5-61	03/16/87	85A	361000	6671000	gravel	glaciofluvial
5-62	03/16/87	85A	358000	6656000	sandy gravel	glaciofluvial
5-63	03/16/87	85A	369000	6666000	sandy gravel	glaciofluvial
5-64	03/16/87	85A	367000	6660000	sandy gravel	glaciofluvial
5-65	03/16/87	85A	383000	6656000	gravelly sand	glaciofluvial
5-66	03/16/87	85A	388000	6657000		glaciofluvial
5-67	03/16/87	85A	404000	6659000		glaciofluvial
5-68	03/16/87	85A	406000	6656000	sandy gravel	glaciofluvial
5-69	03/16/87	85A	418000	6654000	well-poorly graded sandy grav.	glaciofluvial
5-70	03/16/87	85A	421000	6653000	sandy gravel	glaciofluvial
6-16	03/16/87	85A	341000	6761000	gravelly sand	glaciofluvial
6-17	03/16/87	85A	343000	6764000	sandy to bouldery gravel	glaciofluvial
6-18	03/16/87	85A	345000	6762000	sandy gravel - bouldery gravel	glaciofluvial
6-19	03/16/87	85A	349000	6764000	well graded sandy gravel	glaciofluvial

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-54              NTS MAP REFERENCE :85A
STUDY ORDER      :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE :

----- Location Details -----
LOCATION           :6 km east of highway 5 @ km 124      CENTRE ZONE(UTM) :12
CORRIDOR NAME    :                                     CENTRE EASTING(UTM) :664000
CORRIDOR NUMBER  :                                     CENTRE NORTHING(UTM) :6692000
OFFSET DISTANCE  :6.0 km                             CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                     CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :no existing access                  OFFSET DIRECTION :L
                                                         KILOMETRE-POST   :124

-----
CONDITION        :                               DIGITIZER NUMBER :
LAND TENURE      :                               STATUS :undeveloped
STOCKPILE TYPE   :                               SITE PLAN SCALE :
PAST USE         :                               AREA :
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 :                               LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :                               SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :eolian
SLOPE                  :                               LANDFORM          :sand dune ridge
AREA DRAINAGE          :                               TOPOGRAPHY       :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :silty fine windblown sand      OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :                               OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                               UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity to Wood Buffalo

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

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

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-55		NTS MAP REFERENCE : 85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 3 km east of highway 5, @ km 122-133	CENTRE ZONE(UTM) : 12
CORRIDOR NAME :	CENTRE EASTING(UTM) : 666000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6688000
OFFSET DISTANCE : 3.0 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : no access	OFFSET DIRECTION : L
	KILOMETRE-POST : 122

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : eolian
SLOPE :		LANDFORM : sand dune ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : extraction unlikely due to proximity to Wood Buffalo	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

PART A: LOCATION AND STATUS			
STUDY NUMBER	: INAC87HR	LOCAL NAMES :	
SOURCE NUMBER(S)	: 5-56	NEW SOURCE NUMBER	:
STUDY ORDER	:	NTS MAP REFERENCE	: 85A
STUDY REFERENCE	:	MAP DIGITIZER NUMBER	:
SOURCE REFERENCE	:	MAP LOC./PLAN SCALE	: 250000
----- Location Details -----			
LOCATION	: traverses highway 5 @ km 135.3-135.9	CENTRE ZONE(UTM)	: 12
CORRIDOR NAME	:	CENTRE EASTING(UTM)	: 338000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 6683000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 0.00000
ACCESS LENGTH	:	CENTRE LONGITUDE	: 0.00000
SOURCE ACCESS	: along highway	OFFSET DIRECTION	:
		KILOMETRE-POST	: 135.3

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	: abandoned
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	: highway constr. & maintenance	AREA	:
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	:	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:
----- Subsurface Data -----			
BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:
		EXPOSURES:NUMBER	:
		EXPOSURES:DEPTH	:
		DATA QUALITY	:
----- Source Description -----			
ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: 03/16/87
SLOPE	:	GENERIC ORIGIN	:
AREA DRAINAGE	:	LANDFORM	: ridge & lag deposits
VEGETATION	:	TOPOGRAPHY	:
PERMAFROST FEATURES	:		
----- Source Stratigraphy -----			
GRANULAR TYPE	: sandy gravel	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	:	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: further extraction unlikely due to proximity to Wood Buffalo		
----- PART C: TEST RESULTS AND MATERIAL QUALITY -----			
----- Test Results -----			
UNIFIED SOIL:CLASS	:	D-50	:
CLASSIFICATION #	:	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:
SIEVE ANAL. #	: 0	SAND(%)	:
PETROGR. NO.:RESULTS	:	FINES(%)	:
OTHER TESTS	:		
----- Material Quantity -----			
CLASS 1	:	TOTAL VOLUME	:
CLASS 2	:	PROVEN VOLUME	:
CLASS 3	:	PROBABLE VOLUME	:
CLASS 4	:	PROSPECTIVE VOLUME	:
CLASS 5	:	TOTAL RECOVERABLE	:
		ANNUAL RECOVERABLE	:

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-57              NTS MAP REFERENCE :85A
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION            :traverses highway 5 @ km 142      CENTRE ZONE(UTM) :12
CORRIDOR NAME:    :                                CENTRE EASTING(UTM) :344000
CORRIDOR NUMBER :                                CENTRE NORTHING(UTM) :6679000
OFFSET DISTANCE :                                OFFSET DIRECTION  :
ACCESS LENGTH    :                                KILOMETRE-POST :142
SOURCE ACCESS    :along highway

-----
CONDITION         :                                DIGITIZER NUMBER :
LAND TENURE       :                                STATUS :undeveloped
STOCKPILE TYPE    :                                SITE PLAN SCALE :
PAST USE          :                                AREA :
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 :                                LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                                TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :                                SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :eolian
SLOPE                  :                                LANDFORM :dune ridge
AREA DRAINAGE          :                                TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :silty fine sand              OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :                                OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :                                UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity to Wood Buffalo

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-58		NTS MAP REFERENCE : 85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : extends eastward from highway @ km 147	CENTRE ZONE(UTM) : 12
CORRIDOR NAME :	CENTRE EASTING(UTM) : 349000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6676000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH :	KILOMETRE-POST : 147
SOURCE ACCESS : along highway	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : abandoned
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE : highway construction material	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : ridge/spit complex
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : further extraction unlikely due to proximity to Wood Buffalo	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-59		NTS MAP REFERENCE : 85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 3-8 km west of highway 5 @ km 145	CENTRE ZONE(UTM) : 12
CORRIDOR NAME :	CENTRE EASTING(UTM) : 342000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6675000
OFFSET DISTANCE : 3-8 km	OFFSET DIRECTION :
ACCESS LENGTH :	KILOMETRE-POST : 145
SOURCE ACCESS : no access	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : series of ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : interbedded sands & gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : extraction unlikely due to proximity to Wood Buffalo	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:5-60		NTS MAP REFERENCE	:85A
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	:traverses highway 5 @ km 159.7	CENTRE ZONE(UTM)	:12
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:359000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6671000
OFFSET DISTANCE :		CENTRE LATITUDE :	0.00000
ACCESS LENGTH :		CENTRE LONGITUDE :	0.00000
SOURCE ACCESS	:along highway	OFFSET DIRECTION	:
		KILOMETRE-POST	:159.7

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	:undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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 :		LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE	:03/16/87	GENERIC ORIGIN	:eolian
SLOPE :			LANDFORM	:dune ridge
AREA DRAINAGE :			TOPOGRAPHY	:
VEGETATION :				
PERMAFROST FEATURES :				

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

GRANULAR TYPE	:silty fine sand	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS	:extraction unlikely due to proximity to Wood Buffalo		

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-61
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85A
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION      :traverses highway @ km 160.2-162
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :
ACCESS LENGTH  :
SOURCE ACCESS  :along highway

CENTRE LATITUDE : 0.00000
CENTRE LONGITUDE : 0.00000

CENTRE ZONE(UTM) :12
CENTRE EASTING(UTM) :361000
CENTRE NORTHING(UTM) :6671000
OFFSET DIRECTION :
KILOMETRE-POST :160.2

-----
CONDITION :
LAND TENURE :
STOCKPILE TYPE :
PAST USE :highway constr. & maintenance
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :
GEOPHYSICAL DATA :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :beach lag deposit
TOPOGRAPHY :

----- Source Stratigraphy -----
GRANULAR TYPE :gravel
GRANULAR THICKNESS :
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity to Wood Buffalo

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :5-62		NTS MAP REFERENCE :85A	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE :			
----- Location Details -----			
LOCATION :4.5 km west of highway 5 @ km 170		CENTRE ZONE(UTM) :12	
CORRIDOR NAME: :		CENTRE EASTING(UTM) :358000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6656000	
OFFSET DISTANCE :4.5 km	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :R	
ACCESS LENGTH :		KILOMETRE-POST :170	
SOURCE ACCESS :no access			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :undeveloped		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :	AREA :		
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 :		LAST INVESTIGATION DATE :1987	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial	
SLOPE :		LANDFORM :series of ridges	
AREA DRAINAGE :		TOPOGRAPHY :	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :sandy gravel	OVERBURDEN THICKNESS :		
GRANULAR THICKNESS :	OVERBURDEN TYPE :		
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity to Wood Buffalo			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-63
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85A
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :traverses highway 5 @ km 172.1-174.2
CORRIDOR NAME:
CORRIDOR NUMBER:
OFFSET DISTANCE:
ACCESS LENGTH:
SOURCE ACCESS :along highway

CENTRE LATITUDE : 0.00000
CENTRE LONGITUDE : 0.00000
CENTRE ZONE(UTM) :12
CENTRE EASTING(UTM) :369000
CENTRE NORTHING(UTM) :6666000
OFFSET DIRECTION :
KILOMETRE-POST :172.1

-----

CONDITION :
LAND TENURE :
STOCKPILE TYPE :
PAST USE :road construction material
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :
GEOPHYSICAL DATA :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH :
TESTPITS:NUMBER :
TESTPITS:DEPTH :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH :
DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :beach ridge
TOPOGRAPHY :

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

GRANULAR TYPE :sandy gravel
GRANULAR THICKNESS :
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :further extraction unlikely due to proximity to Wood Buffalo

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

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

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

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

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

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

TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-64		NTS MAP REFERENCE : 85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 3 km west of the highway @ km 179	CENTRE ZONE(UTM) : 12
CORRIDOR NAME :	CENTRE EASTING(UTM) : 367000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6660000
OFFSET DISTANCE : 3.0 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : no access	OFFSET DIRECTION : R
	KILOMETRE-POST : 179

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM :
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : extraction unlikely due to proximity to Wood Buffalo	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-65		NTS MAP REFERENCE : 85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 0.2 km south of highway 5 @ km 191-192	CENTRE ZONE(UTM) : 12
CORRIDOR NAME :	CENTRE EASTING(UTM) : 383000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6656000
OFFSET DISTANCE : 0.2 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : along highway	OFFSET DIRECTION : R
	KILOMETRE-POST : 191

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : abandoned
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE : road construction material	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : further extraction unlikely due to proximity to Wood Buffalo	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-66              NTS MAP REFERENCE :85A
STUDY ORDER      :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION            :traverses highway 5 @ km 195.5-196    CENTRE ZONE(UTM)      :12
CORRIDOR NAME:    :                                     CENTRE EASTING(UTM)   :388000
CORRIDOR NUMBER  :                                     CENTRE NORTHING(UTM)  :6657000
OFFSET DISTANCE  :                                     OFFSET DIRECTION      :
ACCESS LENGTH    :                                     KILOMETRE-POST        :195.5
SOURCE ACCESS    :along highway

-----
CONDITION        :                                     DIGITIZER NUMBER :
LAND TENURE      :                                     STATUS :abandoned
STOCKPILE TYPE   :                                     SITE PLAN SCALE :
PAST USE         :highway construction                AREA :
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 :                                     LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                                     TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87    GENERIC ORIGIN :glaciofluvial
SLOPE                  :                                     LANDFORM       :outwash deposit
AREA DRAINAGE          :                                     TOPOGRAPHY     :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :          OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS :further extraction unlikely due to proximity to Wood Buffalo

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-67              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :404000
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6659000
STUDY REFERENCE  :                   OFFSET DIRECTION :L          KILOMETRE-POST      :214
SOURCE REFERENCE :                   MAP LOC./PLAN SCALE : 250000

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

LOCATION           :north of highway 5 @ km 214
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    :
SOURCE ACCESS    :poor access

CENTRE ZONE(UTM) :12
CENTRE EASTING(UTM) :404000
CENTRE NORTHING(UTM):6659000
OFFSET DIRECTION :L
KILOMETRE-POST   :214

-----

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

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

INVESTIGATION LEVEL :
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER  :
TESTPITS:DEPTH   :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY     :

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

ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :
SITE DESCRIPTION DATE  :03/16/87
GENERIC ORIGIN         :glaciofluvial
LANDFORM               :plain deposit
TOPOGRAPHY             :

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

GRANULAR TYPE         :
GRANULAR THICKNESS    :
DEVELOP. POTENTIAL    :
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity of Wood Buffalo
OVERBURDEN THICKNESS  :
OVERBURDEN TYPE       :
UNDERBURDEN TYPE      :

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-68
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE   :
NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85A
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :traverses highway 5 @ km 214.5-216
CORRIDOR NAME:    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    :
SOURCE ACCESS    :along highway 5
CENTRE LATITUDE  : 0.00000
CENTRE LONGITUDE : 0.00000
CENTRE ZONE(UTM) :12
CENTRE EASTING(UTM) :406000
CENTRE NORTHING(UTM) :6656000
OFFSET DIRECTION :
KILOMETRE-POST   :214.5

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :identified by TCL(1980)
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :
SITE DESCRIPTION DATE  :03/16/87
GENERIC ORIGIN         :glaciofluvial
LANDFORM               :beach ridges
TOPOGRAPHY             :

----- Source Stratigraphy -----
GRANULAR TYPE          :sandy gravel
GRANULAR THICKNESS     :1.0 m
DEVELOP. POTENTIAL     :
DEVELOP. CONSTRAINTS  :deposit lies 300 m east of Little Buffalo river valley
OVERBURDEN THICKNESS   :
OVERBURDEN TYPE        :
UNDERBURDEN TYPE       :

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :1750000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME          :1750000
PROVEN VOLUME         :
PROBABLE VOLUME       :
PROSPECTIVE VOLUME    :1750000
TOTAL RECOVERABLE     :
ANNUAL RECOVERABLE    :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :Salt Mountain      NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-69              NTS MAP REFERENCE :85A
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION           :along andto the north of highway 5 @ km 229-232  CENTRE ZONE(UTM) :12
CORRIDOR NAME    :              CENTRE EASTING(UTM) :418000
CORRIDOR NUMBER  :              CENTRE NORTHING(UTM) :6654000
OFFSET DISTANCE  :              CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :              CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :access directly from highway or via Foxhole road  OFFSET DIRECTION :
KILOMETRE-POST   :229

-----
CONDITION        :
LAND TENURE      :
STOCKPILE TYPE   :
PAST USE         :
STOCKPILE QUANTITY :
PERFORMANCE RATING :
DIGITIZER NUMBER :
STATUS          :current pits abandoned/depleted
SITE PLAN SCALE :
AREA           :
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :TCL(1981a);Hardy Associates(1984);Transport Canada  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :              TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :
SITE DESCRIPTION DATE  :03/16/87
GENERIC ORIGIN        :glaciofluvial
LANDFORM              :ridge & lag deposits
TOPOGRAPHY            :

----- Source Stratigraphy -----
GRANULAR TYPE          :well-poorly graded sandy grav.
GRANULAR THICKNESS     :
DEVELOP. POTENTIAL     :
DEVELOP. CONTRASTS     :
OVERBURDEN THICKNESS  :
OVERBURDEN TYPE        :
UNDERBURDEN TYPE       :

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

----- Test Results -----
UNIFIED SOIL:CLASS :
CLASSIFICATION #    :
PETRO NO.           : 8
SIEVE ANAL. #       : 23
PETROGR. NO.:RESULTS :209-248-294;unsuitable for use in concrete or asphalt
OTHER TESTS         :LA Abrasion-coarse(31-35-42);Sulph Sd-coarse(6.5-average)
                    :fine(7.9-average)
D-50                :
OVERSIZE(%)         :
GRAVEL(%)           :46-62-95
SAND(%)              :02-32-47
FINES(%)             :03-06-12

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :9000000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME :9000000
PROVEN VOLUME :
PROBABLE VOLUME :9000000
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :Lookout/Highway pits	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :5-70		NTS MAP REFERENCE :85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :along and mostly to the north of highway 5 @ km 232.5-234.5	CENTRE ZONE(UTM) :12
CORRIDOR NAME: :	CENTRE EASTING(UTM) :421000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6653000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :along highway	OFFSET DIRECTION :
	KILOMETRE-POST :232.5

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :active
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :used in asphalt	AREA :
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 :TCL(1981a);GNWT Highways Division	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :beach ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 1	MOISTURE(%) :NUMBER :	GRAVEL(%) :64-74-93
SIEVE ANAL. # : 7	MOISTURE(%) :RESULTS :	SAND(%) :03-21-30
PETROGR. NO.:RESULTS :291 (average);unsuitable for use in concrete or asphalt		FINES(%) :02-05-10
OTHER TESTS :LA Abrasion-Coarse(26-average);Sulph Sd-Coarse(0.9-average)		

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

CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :
CLASS 2 :class 2 with processing	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :2000000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 6-16		NTS MAP REFERENCE : 85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 1-2 km south of highway 6 @ km 56-59	CENTRE ZONE(UTM) : 12
CORRIDOR NAME :	CENTRE EASTING(UTM) : 341000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6761000
OFFSET DISTANCE : 1.0-2.0 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : no access	OFFSET DIRECTION : R
	KILOMETRE-POST : 56-59

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : group of ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : inaccessible	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :6-17		NTS MAP REFERENCE :85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :1.5 km north of highway 6 at km 59	CENTRE ZONE(UTM) :12
CORRIDOR NAME: :	CENTRE EASTING(UTM) :343000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6764000
OFFSET DISTANCE :1.5 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :no existing access	OFFSET DIRECTION :L
	KILOMETRE-POST :59

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :ridge & lag deposits
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :sandy to bouldery gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :inaccessible	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :280000	PROSPECTIVE VOLUME :280000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :280000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :6-18		NTS MAP REFERENCE :85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :traverses highway 6 @ km 61-63	CENTRE ZONE(UTM) :12
CORRIDOR NAME: :	CENTRE EASTING(UTM) :345000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6762000
OFFSET DISTANCE :0	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :along highway	OFFSET DIRECTION :
	KILOMETRE-POST :61-63

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :active
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :road constr. & maintenance	AREA :
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 :TCL(1983b)	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :lag & grav. deposits
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :sandy gravel - bouldery gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :3340000
CLASS 2 :amount est. not available	PROVEN VOLUME :	TOTAL RECOVERABLE :3840000
CLASS 3 :	PROBABLE VOLUME :500000	ANNUAL RECOVERABLE :
CLASS 4 :amount est. not available		
CLASS 5 :2250000		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :6-19		NTS MAP REFERENCE :85A
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :traverses highway 6 @km 65-67.7	CENTRE ZONE(UTM) :12
CORRIDOR NAME :	CENTRE EASTING(UTM) :349000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6764000
OFFSET DISTANCE :0	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :along highway	OFFSET DIRECTION :
	KILOMETRE-POST :65

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :active
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :TCL(1983a)	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :ridge & lag deposits
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :well graded sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :quality agg.	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

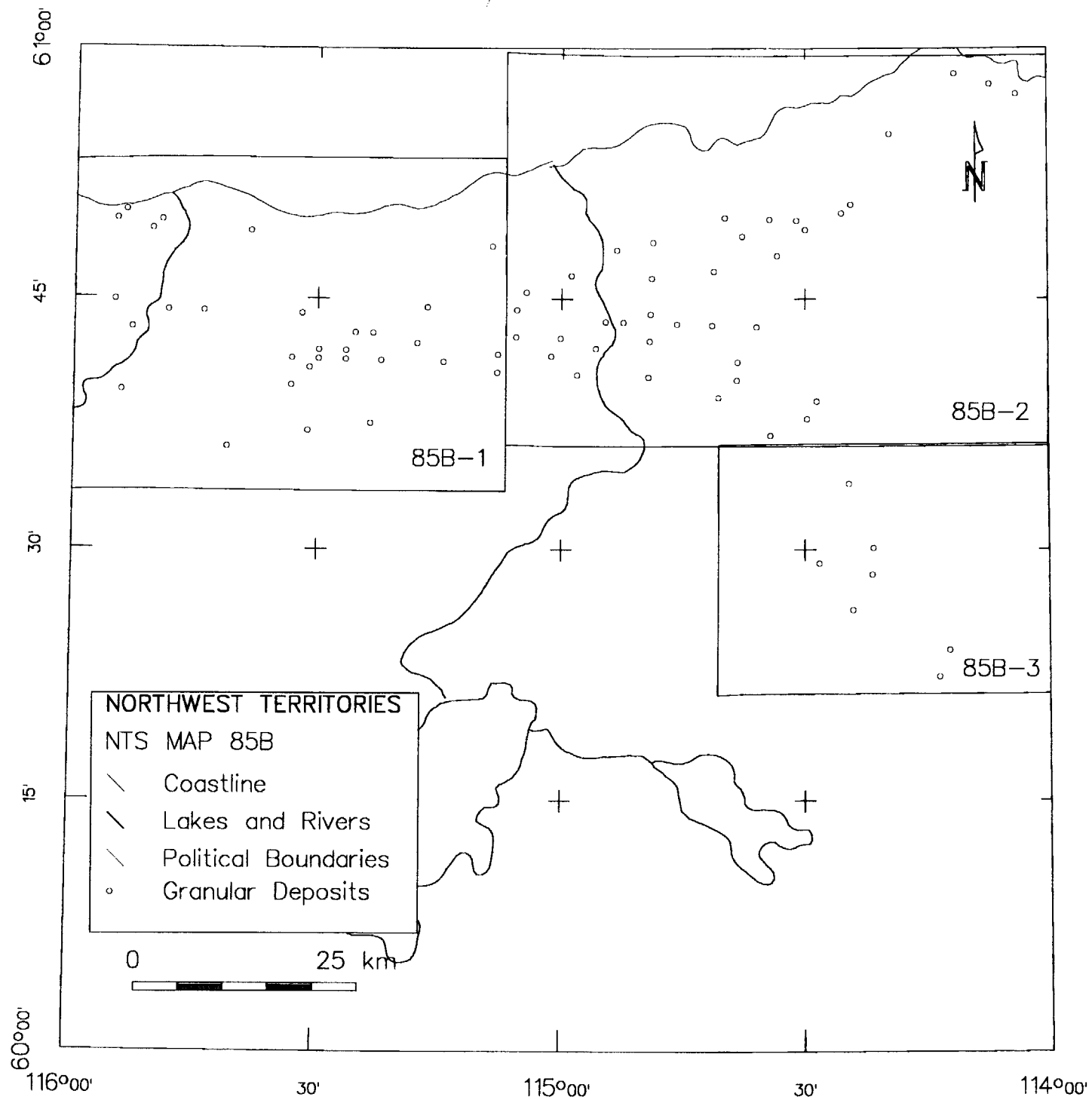
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====

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

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

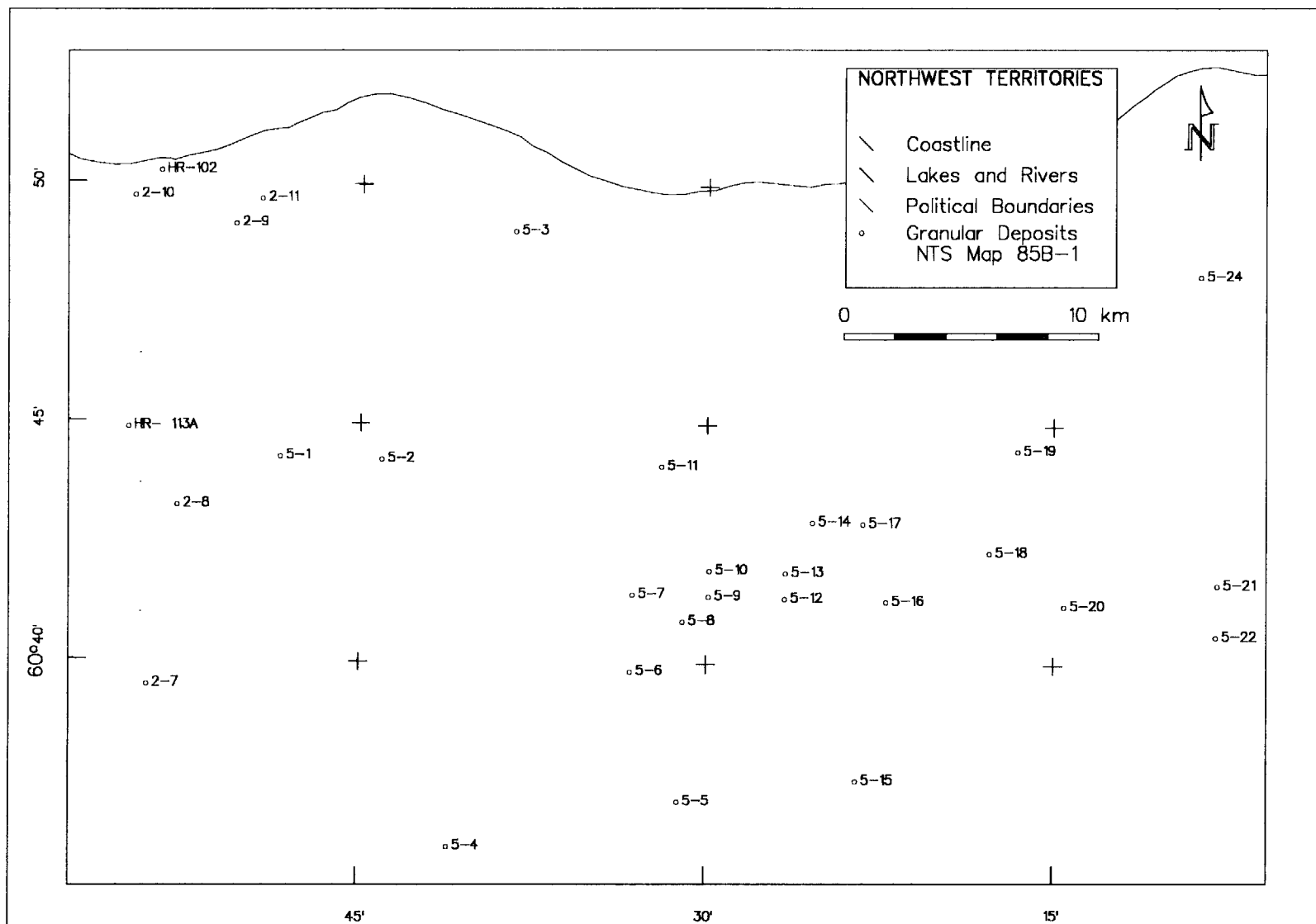
----- Material Quantity -----

CLASS 1 :65000	TOTAL VOLUME :	PROSPECTIVE VOLUME :560000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :280000	PROBABLE VOLUME :65000	ANNUAL RECOVERABLE :
CLASS 4 :280000		
CLASS 5 :		



DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
2-7	03/16/87	85B	560000	6725000	siltly sand (assumption)	glaciolacustrine
2-8	03/16/87	85B	561000	6732000	sand	alluvial
2-9	03/16/87	85B	563000	6743000	silty fine sand	glaciolacustrine
2-10	03/16/87	85B	559000	6744000	fine sand with variable silt %	glaciolacustrine
2-11	03/16/87	85B	564000	6744000	fine sand, trace silt,organics	glaciolacustrine
5-1	03/16/87	85B	565000	6734000	gravelly sand	glaciofluvial
5-2	03/16/87	85B	569000	6734000	gravelly to silty sand	glaciolacustrine
5-3	03/16/87	85B	574000	6743000	fine sand with trace organics	glaciofluvial
5-4	03/16/87	85B	572000	6719000	sandy gravel (estimate)	glaciofluvial
5-5	03/16/87	85B	581000	6721000	sandy gravel	glaciolacustrine
5-6	03/16/87	85B	579000	6726000	sand/gravel-silt/boulder grav.	glaciofluvial
5-7	03/16/87	85B	579000	6729000	poorly graded gravelly sand	glaciofluvial
5-8	03/16/87	85B	581000	6728000	sand/gravel to gravelly sand	glaciofluvial
5-9	03/16/87	85B	582000	6729000	aggregate & gravelly sand	glaciofluvial
5-10	03/16/87	85B	582000	6730000	aggregate	glaciofluvial
5-11	03/16/87	85B	580000	6734000	gravelly sand-some sandy grav.	glaciofluvial
5-12	03/16/87	85B	585000	6729000	silty sand and gravel	glaciofluvial
5-13	03/16/87	85B	585000	6730000	granular aggregate	glaciofluvial
5-14	03/16/87	85B	586000	6732000	various aggregate types	glaciofluvial
5-16	03/16/87	85B	589000	6729000	sandy gravel (estimate)	glaciofluvial
5-15	03/16/87	85B	588000	6722000	sandy gravel	glaciofluvial
5-17	03/16/87	85B	588000	6732000	fine sand	glaciofluvial
5-18	03/16/87	85B	593000	6731000	sandy gravel	glaciofluvial
5-19	03/16/87	85B	594000	6735000	well graded,sandy gravel	glaciofluvial
5-20	03/16/87	85B	596000	6729000	sandy gravel	glaciofluvial
5-21	03/16/87	85B	602000	6730000		glaciofluvial
5-22	03/16/87	85B	602000	6728000		glaciofluvial
5-24	03/16/87	85B	601000	6742000	sandy to bouldery gravel	glaciofluvial
HR-102	/ /	85B	560000	6745000	fine sand;trace organics	glaciofluvial
HR-113A	/ /	85B	559000	6735000	silt and clay	glaciofluvial



GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 2-7		NTS MAP REFERENCE	: 85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	: east of the Hay River between 15-19 km SW of Hay River	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 560000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	: 6725000
OFFSET DISTANCE :		OFFSET DIRECTION	:
ACCESS LENGTH :		KILOMETRE-POST	:
SOURCE ACCESS	: no access; bush trails may provide winter access		

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	: undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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	: first investigation	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN	: glaciolacustrine
SLOPE :		LANDFORM	: beach ridges
AREA DRAINAGE :		TOPOGRAPHY	:
VEGETATION :			
PERMAFROST FEATURES :			

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

GRANULAR TYPE	: silty sand (assumption)	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS	: 0.5	OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS	: poor access		

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

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

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

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

CLASS 1 :	TOTAL VOLUME	: 150000	PROSPECTIVE VOLUME	: 150000
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3 :	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4 : 150000				
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 2-8		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : INAC74HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-117A		

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

LOCATION : east side of highway 2, 15 km south of May River	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 561000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6732000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :	OFFSET DIRECTION :
	KILOMETRE-POST :

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : depleted; rehab. into golf course
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : RKL(1974) field testing	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER : 3	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 1.5-1.9-2.4	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : alluvial
SLOPE :		LANDFORM : terrace
AREA DRAINAGE : poor drainage in marsh area		TOPOGRAPHY : level-gently rolling
VEGETATION : marshland; sparse spruce and pine growth		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :2-9
STUDY ORDER       :
STUDY REFERENCE   :INAC74HR          NEW SOURCE NUMBER :
SOURCE REFERENCE  :HR104A            NTS MAP REFERENCE  :85B
                                           MAP DIGITIZER NUMBER :
                                           MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :3-9 km west of Hay River
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    :
SOURCE ACCESS    :access via an existing gravel trail past the town sewage
                  lagoon

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :563000
CENTRE NORTHING(UTM) :6743000
CENTRE LATITUDE  : 0.00000
CENTRE LONGITUDE : 0.00000
OFFSET DIRECTION :
KILOMETRE-POST   :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :RKL(1974) field testing
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE : 1987
TEST HOLE DENSITY    :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :muskeg between ridges
PERMAFROST FEATURES    :
SITE DESCRIPTION DATE  :03/16/87
GENERIC ORIGIN         :glaciolacustrine
LANDFORM               :beach ridges
TOPOGRAPHY             :level-gently rolling

----- Source Stratigraphy -----
GRANULAR TYPE          :silty fine sand
GRANULAR THICKNESS     :
DEVELOP. POTENTIAL     :
DEVELOP. CONSTRAINTS  :high silt content;high water table
OVERBURDEN THICKNESS   :
OVERBURDEN TYPE        :
UNDERBURDEN TYPE       :

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :225000
CLASS 5 :
TOTAL VOLUME :225000
PROVEN VOLUME :
PROBABLE VOLUME :225000
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :2-10		NTS MAP REFERENCE :85B	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :INAC74HR		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE :HR-103			
----- Location Details -----			
LOCATION :6-10 km west of Hay River		CENTRE ZONE(UTM) :11	
CORRIDOR NAME :		CENTRE EASTING(UTM) :559000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6744000	
OFFSET DISTANCE :	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :	
ACCESS LENGTH :		KILOMETRE-POST :	
SOURCE ACCESS :access via an existing gravel trail past the town sewage lagoon			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :undeveloped		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :	AREA :		
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 :RKL(1974) field testing		LAST INVESTIGATION DATE :	1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :8	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :1.2-1.7-3.0	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciolacustrine	
SLOPE :		LANDFORM :beach ridges	
AREA DRAINAGE :fair for ridge;very poor for lowlands		TOPOGRAPHY :level-gently rolling	
VEGETATION :depressions between ridges infilled with organics			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :fine sand with variable silt %	OVERBURDEN THICKNESS :0.1-1.9-2.5		
GRANULAR THICKNESS :<1.2	OVERBURDEN TYPE :peat		
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :shallow thickness above water table			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :300000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :300000	PROBABLE VOLUME :300000	ANNUAL RECOVERABLE :	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :2-11		NTS MAP REFERENCE :85B	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :INAC74HR		MAP LOC./PLAN SCALE : 250000	
SOURCE REFERENCE :HR-101,HR-105			
----- Location Details -----			
LOCATION :close to lake shore 3-5 km west of Hay River		CENTRE ZONE(UTM) :11	
CORRIDOR NAME: :		CENTRE EASTING(UTM) :564000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6744000	
OFFSET DISTANCE :	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :	
ACCESS LENGTH :		KILOMETRE-POST :	
SOURCE ACCESS :access via an existing gravel trail past the town sewage lagoon			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :active		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :pit for use by Hay River	AREA :		
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 :RKL(1974) field and lab investigation		1987	
GEOPHYSICAL DATA :	LAST INVESTIGATION DATE :		
	TEST HOLE DENSITY :		
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciolacustrine	
SLOPE :		LANDFORM :beach ridges	
AREA DRAINAGE :		TOPOGRAPHY :level-gently rolling	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :fine sand, trace silt,organics	OVERBURDEN THICKNESS :		
GRANULAR THICKNESS :up to 2.0	OVERBURDEN TYPE :		
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :2.1 av.	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :96.6 av.	
PETROGR. NO.:RESULTS :		FINES(%) :1.35 av.	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :1000000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :	PROBABLE VOLUME :1000000	ANNUAL RECOVERABLE :	
CLASS 4 :1000000			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-1                NTS MAP REFERENCE :858
STUDY ORDER      :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                    MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE :

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

LOCATION           :south of highway 5, 8 km south of Hay River  CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                                           CENTRE EASTING(UTM) :565000
CORRIDOR NUMBER  :                                           CENTRE NORTHING(UTM) :6734000
OFFSET DISTANCE  :          CENTRE LATITUDE : 0.00000          OFFSET DIRECTION   :
ACCESS LENGTH    :          CENTRE LONGITUDE : 0.00000          KILOMETRE-POST     :
SOURCE ACCESS    :

-----

CONDITION        :                    DIGITIZER NUMBER :
LAND TENURE      :                    STATUS :depleted and abandoned
STOCKPILE TYPE   :                    SITE PLAN SCALE :
PAST USE         :                    AREA :
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 :                    LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                    TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :beach ridge
AREA DRAINAGE          :          TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :gravelly sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-2                NTS MAP REFERENCE :858
STUDY ORDER       :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION            :south of highway 5 @ km 7      CENTRE ZONE(UTM)      :11
CORRIDOR NAME     :                             CENTRE EASTING(UTM)   :569000
CORRIDOR NUMBER   :                             CENTRE NORTHING(UTM)  :6734000
OFFSET DISTANCE   :                             CENTRE LONGITUDE  : 0.00000
ACCESS LENGTH     :                             OFFSET DIRECTION :R
SOURCE ACCESS     :no access                  KILOMETRE-POST       :7

-----
CONDITION         :                       DIGITIZER NUMBER :
LAND TENURE       :                       STATUS :undeveloped
STOCKPILE TYPE    :                       SITE PLAN SCALE :
PAST USE          :                       AREA :
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 :first investigation          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                          TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciolacustrine
SLOPE                  :          LANDFORM              :2 beach ridges
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :gravelly to silty sand      OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :          OVERBURDEN TYPE    :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE   :
DEVELOP. CONSTRAINTS   :

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :35000          PROSPECTIVE VOLUME :35000
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE :
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :35000
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-3		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 5-7 km east of Hay River on Hay River Reserve	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 574000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6743000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : via a circuitous route through the Reserve	OFFSET DIRECTION :
	KILOMETRE-POST :

CONDITION :	DIGITIZER NUMBER :
LAND TENURE : Reserve land	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : RKL(1974) field and lab investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : beach ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : fine sand with trace organics	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : relatively inaccessible, situated on reserve	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 1000000	PROSPECTIVE VOLUME : 1000000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 1000000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-4                NTS MAP REFERENCE :85B
STUDY ORDER       :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION           :15 km south of highway 5 @ km 10      CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                                       CENTRE EASTING(UTM) :572000
CORRIDOR NUMBER  :                                       CENTRE NORTHING(UTM) :6719000
OFFSET DISTANCE  :15 km                                CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                       CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :no access                             KILOMETRE-POST   :10

-----
CONDITION        :                               DIGITIZER NUMBER :
LAND TENURE      :                               STATUS :undeveloped
STOCKPILE TYPE   :                               SITE PLAN SCALE :
PAST USE         :                               AREA :
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 :first investigation                LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :ridge
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :sandy gravel (estimate)          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 (assumpt.)                  OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                                UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS  :inaccessible

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :375000                PROSPECTIVE VOLUME :375000
CLASS 2 :          PROVEN VOLUME :                      TOTAL RECOVERABLE  :
CLASS 3 :375000     PROBABLE VOLUME :                  ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-5		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : INAC74HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-106		

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

LOCATION : less than 1 km west of Old Fort Smith Road, about 14 km south of highway 5	CENTRE ZONE(UTM) : 11
CORRIDOR NAME: :	CENTRE EASTING(UTM) : 581000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6721000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH :	KILOMETRE-POST :
SOURCE ACCESS : inaccessible; access could be extended from the deposit 5-6 area	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE : Reserve land	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER : 5	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 6.0-7.6-8.0	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciolacustrine
SLOPE :		LANDFORM : beach ridge
AREA DRAINAGE : good		TOPOGRAPHY : level-gently rolling
VEGETATION : spruce, poplar and pine tree cover of 20% - 40%		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.0	OVERBURDEN TYPE : silt
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : situated on Reserve	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 2400000	PROSPECTIVE VOLUME : 2400000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 : 2400000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :5-6                NTS MAP REFERENCE :85B
STUDY ORDER       :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :INAC74HR;INAC78HR  MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE  :HR-109A;MILE 12S

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

LOCATION            :west of old Fort Smith winter road, 6.5 km south of highway
                  :5 @ km 22          CENTRE ZONE(UTM)       :11
CORRIDOR NAME:    :                   CENTRE EASTING(UTM)    :579000
CORRIDOR NUMBER  :                   CENTRE NORTHING(UTM)   :6726000
OFFSET DISTANCE  :6.5 km            CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :                   OFFSET DIRECTION      :R
SOURCE ACCESS    :winter access only via old Fort Smith road KILOMETRE-POST      :22

-----

CONDITION         :                   DIGITIZER NUMBER :
LAND TENURE       :                   STATUS :active
STOCKPILE TYPE    :                   SITE PLAN SCALE :
PAST USE          :aggregate in Hay River area          AREA :
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 :RKL(1974);BHL(1978);Underhill Engineering(1986a)  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                   TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :                   TESTPITS:NUMBER :3          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :                   TESTPITS:DEPTH  :2.0-2.3-3.0 EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :                   SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :                   LANDFORM           :group of ridges
AREA DRAINAGE           :good for landform;poor for marshland  TOPOGRAPHY      :level-gently rolling
VEGETATION              :spruce tree cover of 40% - 60%;undergrowth of grasses,moss,ferns and bushes
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sand/gravel-silt/boulder grav.          OVERBURDEN THICKNESS :0.0-0.3-0.5
GRANULAR THICKNESS     :up to 4.0 m                             OVERBURDEN TYPE      :silt
DEVELOP. POTENTIAL     :                   UNDERBURDEN TYPE   :
DEVELOP. CONSTRAINTS  :

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

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

UNIFIED SOIL:CLASS    :                   D-50              :
CLASSIFICATION #      :                   OVERSIZE(%)       :
PETRO NO.             : 5                   MOISTURE(%) :NUMBER :          OVERSIZE(%) :
SIEVE ANAL. #         : 33                  MOISTURE(%) :RESULTS :          GRAVEL(%) :35-64-82
PETROGR. NO.:RESULTS  :118-126-135          SAND(%)           :15-32-63
OTHER TESTS           :LA Abrasion-23-25.5-38;Sulph-Sd Coarse(4.2-5.1-6.0) FINES(%)          :01-04-08
                  :Fine(3.6-5.4-7.1)

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

CLASS 1 :70000          TOTAL VOLUME :295000          PROSPECTIVE VOLUME :
CLASS 2 :95000          PROVEN VOLUME :295000         TOTAL RECOVERABLE :
CLASS 3 :130000         PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :

```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-7		NTS MAP REFERENCE : 858
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : INAC74HR; INAC78HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-108A; MILE 12S		

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

LOCATION : traversed by the Old Fort Smith road 5 km south of highway	CENTRE ZONE(UTM) : 11
5 @ km 18	
CORRIDOR NAME :	CENTRE EASTING(UTM) : 579000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6729000
OFFSET DISTANCE : 5 km	CENTRE LATITUDE : 0.00000
	CENTRE LONGITUDE : 0.00000
ACCESS LENGTH :	OFFSET DIRECTION : R
SOURCE ACCESS : winter only via Old Fort Smith road	KILOMETRE-POST : 18

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : RKL(1974); BHL(1978)	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.1-0.3-0.5	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE : gentle slope		LANDFORM : two ridges
AREA DRAINAGE : good drainage		TOPOGRAPHY : level-gently rolling
VEGETATION : spruce and pine tree cover of 40% - 60%; undergrowth of grass, moss and peat		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : poorly graded gravelly sand	OVERBURDEN THICKNESS : 0.1-0.2-0.3
GRANULAR THICKNESS : shallow	OVERBURDEN TYPE : silt; cobbles & boulders
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : not economic to develop	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 70000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME : 70000	TOTAL RECOVERABLE :
CLASS 3 : 70000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====			
STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S)	: 5-8		NTS MAP REFERENCE : 85B
STUDY ORDER	:		MAP DIGITIZER NUMBER :
STUDY REFERENCE	: INAC74HR; INAC78HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE	: HR-110A; MILE 12S		
----- Location Details -----			
LOCATION	: east of the old Fort Smith road, 6 km south of highway 5 @ km 18	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 581000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	: 6728000
OFFSET DISTANCE	: 6 km	CENTRE LONGITUDE :	0.00000
ACCESS LENGTH :		OFFSET DIRECTION	: R
SOURCE ACCESS	: winter only via old Fort Smith road	KILOMETRE-POST	: 18

CONDITION :		DIGITIZER NUMBER :	
LAND TENURE :		STATUS	: undeveloped
STOCKPILE TYPE :		SITE PLAN SCALE :	
PAST USE :		AREA :	
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	: RKL(1974); BHL(1974); Underhill Engineering(1986a)	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.4-0.5-0.6	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN	: glaciofluvial
SLOPE :		LANDFORM	: ridge
AREA DRAINAGE	: good for landform	TOPOGRAPHY	: level-gently rolling
VEGETATION	: pine and spruce tree cover of 40% - 60%		
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE	: sand/gravel to gravelly sand	OVERBURDEN THICKNESS	: 0.1-0.2-0.3
GRANULAR THICKNESS	: up to 3.0 m	OVERBURDEN TYPE	: sandy topsoil
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS	: sensitive environmental area		
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%)	:
PETRO NO. :	4	GRAVEL(%)	: 45-58-75
SIEVE ANAL. # :	9	SAND(%)	: 19-38-53
PETROGR. NO.:RESULTS	: 132-155-216	FINES(%)	: 02-04-10
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1	: 100000	TOTAL VOLUME	: 213000
CLASS 2 :		PROVEN VOLUME	: 213000
CLASS 3	: 105000	PROBABLE VOLUME :	
CLASS 4	: 8000	PROSPECTIVE VOLUME :	
CLASS 5 :		TOTAL RECOVERABLE :	
		ANNUAL RECOVERABLE :	

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:5-9		NTS MAP REFERENCE	:85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:INAC74HR;INAC78HR		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:HR-112A;MILE 12S			

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

LOCATION	:east of the old Fort Smith road, 6 km south of highway 5 @ km 21	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:582000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6729000
OFFSET DISTANCE :6		OFFSET DIRECTION	:R
ACCESS LENGTH :		KILOMETRE-POST	:21
SOURCE ACCESS	:access from old Fort Smith road via exploratory access trail constructed by Underhill(1986)		

CONDITION	:winter only	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	:undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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	:RKL(1974);BHL(1978);Underhill Engineering(1986)	LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :1	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :0.6	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN	:glaciofluvial
SLOPE :		LANDFORM	:ridge
AREA DRAINAGE	:good landform drainage	TOPOGRAPHY	:level-gently rolling
VEGETATION	:spruce and pine tree cover of 40% - 60%;grasses, ferns and bushes		
PERMAFROST FEATURES	:		

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

GRANULAR TYPE	:aggregate & gravelly sand	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS	:up to 2.5 m	OVERBURDEN TYPE	:topsoil
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:environmentally sensitive area		

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

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

UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION #	:	OVERSIZE(%)	:
PETRO NO.	: 2	GRAVEL(%)	:46-61-76
SIEVE ANAL. #	: 7	SAND(%)	:21-37-52
PETROGR. NO.:RESULTS	:231-248-265;unsuitable for use in concrete or asphalt	FINES(%)	:01-02-03
OTHER TESTS	:		

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

CLASS 1 :55000	TOTAL VOLUME :	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :140000	TOTAL RECOVERABLE :140000
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :85000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 5-10		NTS MAP REFERENCE	: 85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	: INAC74HR; INAC78HR		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	: HR-111A; MILE 12S			

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

LOCATION	: east of old Fort Smith road, 5 km south of highway 5 @ km 22	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 582000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	: 6730000
OFFSET DISTANCE : 5		CENTRE LATITUDE : 0.00000	
ACCESS LENGTH :		CENTRE LONGITUDE : 0.00000	
SOURCE ACCESS	: along access trail developed by Underhill, but not directly from the old Fort Smith road	OFFSET DIRECTION	: R
		KILOMETRE-POST	: 22

CONDITION	: winter only	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	: undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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	: RKL(1974); BHL(1978); Underhill Engineering(1986)	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER : 1	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN	: glaciofluvial
SLOPE :		LANDFORM	: ridge
AREA DRAINAGE	: good for ridge; poor for marshland	TOPOGRAPHY	: level-gently rolling
VEGETATION	: spruce tree cover of 40% - 60%; undergrowth of grasses, mosses and ferns		
PERMAFROST FEATURES	:		

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

GRANULAR TYPE	: aggregate	OVERBURDEN THICKNESS	: 0.3 average
GRANULAR THICKNESS	: > 3.0 m	OVERBURDEN TYPE	: topsoil
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: sensitive environmental area		

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

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

UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%)	:
PETRO NO.	: 1	GRAVEL(%)	: 47-60-83
SIEVE ANAL. #	: 5	SAND(%)	: 14-36-47
PETROGR. NO.:RESULTS	: 126 (average)	FINES(%)	: 02-04-09
OTHER TESTS	:		

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

CLASS 1 :	TOTAL VOLUME	: 185000	PROSPECTIVE VOLUME :
CLASS 2 : 120000	PROVEN VOLUME	: 185000	TOTAL RECOVERABLE :
CLASS 3 : 40000	PROBABLE VOLUME :		ANNUAL RECOVERABLE :
CLASS 4 : 25000			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:5-11		NTS MAP REFERENCE	:85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:INAC74HR;INAC78HR		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:HR-107A;MILE 12S			

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

LOCATION	:0.5-1.5 km south of highway 5 @ km 16-20	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:580000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6734000
OFFSET DISTANCE	:0.5-1.5 km	CENTRE LATITUDE :	0.00000
ACCESS LENGTH :		CENTRE LONGITUDE :	0.00000
SOURCE ACCESS	:old Fort Smith road	OFFSET DIRECTION	:R
		KILOMETRE-POST	:16-20

CONDITION	:winter only	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	:2 segments - depleted;undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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	:RKL(1974);BHL(1977)	LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :2	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :3.0-3.0-3.0	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN	:glaciofluvial
SLOPE :		LANDFORM	:ridge
AREA DRAINAGE	:very good ridge drainage	TOPOGRAPHY	:level-gently rolling
VEGETATION	:poplar and pine tree cover of 40% - 60%;grasses, ferns and berry bushes		
PERMAFROST FEATURES	:		

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

GRANULAR TYPE	:gravelly sand-some sandy grav.	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS	:area is important to local trappers and Native council		

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

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

UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%)	:
PETRO NO. :	0	GRAVEL(%)	:26 (av)
SIEVE ANAL. # :	0	SAND(%)	:67 (av)
PETROGR. NO.:RESULTS :		FINES(%)	:07 (av)
OTHER TESTS :			

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

CLASS 1 :	TOTAL VOLUME	:75000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME	:75000	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :		ANNUAL RECOVERABLE :
CLASS 4 :75000			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : 1NAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-12		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : 1NAC74HR; MILE 12S		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-125A; MILE 12S		

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

LOCATION : 4.5 km south of highway 5 @ km 24	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 585000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6729000
OFFSET DISTANCE : 4.5 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : access via a number of cut lines traversing the deposit	OFFSET DIRECTION :
	KILOMETRE-POST : 24

CONDITION : winter only	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : BHL(1978)	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : outwash area (kame?)
AREA DRAINAGE :		TOPOGRAPHY : level-gently rolling
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : silty sand and gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 2.1 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER :	GRAVEL(%) : 58 (av)
SIEVE ANAL. # : 1	MOISTURE(%) : RESULTS :	SAND(%) : 39 (av)
PETROGR. NO.:RESULTS : 159 (average)		FINES(%) : 03 (av)
OTHER TESTS :		

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

CLASS 1 :	TOTAL VOLUME : 165000	PROSPECTIVE VOLUME : 165000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 : 165000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 5-13		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : INAC74HR; INAC78HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-123A; MILE 17S		

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

LOCATION : 5 km south of highway 5 @ km 24	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 585000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6730000
OFFSET DISTANCE : 5.0 km	OFFSET DIRECTION : R
ACCESS LENGTH :	KILOMETRE-POST : 24
SOURCE ACCESS : accessible along existing cut lines and an access trail developed by Underhill(1986)	

CONDITION : winter only	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : BHL(1978); Underhill Engineering(1986)	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : 2 kame outwash areas
AREA DRAINAGE :		TOPOGRAPHY : level-gently rolling
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : granular aggregate	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : up to 3.0 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 4	MOISTURE(%) : NUMBER :	GRAVEL(%) : 33-61-78
SIEVE ANAL. # : 18	MOISTURE(%) : RESULTS :	SAND(%) : 17-33-65
PETROGR. NO. : RESULTS : 128-143-153; suitable for asphalt, marginal for concrete		FINES(%) : 02-06-17
OTHER TESTS : LA Abrasion Coarse-22.4 (average); Sulph_Sd Coarse - 5.31 (average), Fine - 5.99		

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

CLASS 1 : 45000	TOTAL VOLUME : 250000	PROSPECTIVE VOLUME :
CLASS 2 : 105000	PROVEN VOLUME : 250000	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 100000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:5-14		NTS MAP REFERENCE	:85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:INAC74HR;INAC78HR		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:HR-124A;MILE 17S			

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

LOCATION	:3.5 km south of highway 5 @ km 24	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:586000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6732000
OFFSET DISTANCE	:3.5 km	CENTRE LATITUDE :	0.00000
ACCESS LENGTH :		CENTRE LONGITUDE :	0.00000
SOURCE ACCESS	:existing cut line	OFFSET DIRECTION	:R
		KILOMETRE-POST	:24

CONDITION	:winter only	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	:active
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:asphalt aggregate	AREA :	
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	:BHL(1978);Underhill Engineering(1986a)	LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN	:glaciofluvial
SLOPE :		LANDFORM	:2 kame outwash areas
AREA DRAINAGE :		TOPOGRAPHY	:level-gently rolling
VEGETATION :			
PERMAFROST FEATURES :			

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

GRANULAR TYPE	:various aggregate types	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS	:up to 3.0 m	OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS :			

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

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

UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%)	:
PETRO NO.	: 7	GRAVEL(%)	:35-56-77
SIEVE ANAL. #	: 27	SAND(%)	:17-39-79
PETROGR. NO.:RESULTS	:108-148-261	FINES(%)	:01-05-12
OTHER TESTS	:LA Abrasion Coarse-22-22.8-23.5;Sulph Sd		
	Coarse-2.1-3.6-5.1,Fine-4.7-5.9-7.1		

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

CLASS 1	:35000	TOTAL VOLUME	:430000	PROSPECTIVE VOLUME :
CLASS 2	:110000	PROVEN VOLUME	:430000	TOTAL RECOVERABLE :
CLASS 3	:265000	PROBABLE VOLUME :		ANNUAL RECOVERABLE :
CLASS 4	: 20000			
CLASS 5	:			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-15              NTS MAP REFERENCE :858
STUDY ORDER      :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION            :400 m east of the old Fort Smith road, 10 km south of
                  :highway 5 @ km 30          CENTRE ZONE(UTM)      :11
CORRIDOR NAME:    :                   CENTRE EASTING(UTM)    :588000
CORRIDOR NUMBER  :                   CENTRE NORTHING(UTM)   :6722000
OFFSET DISTANCE  :10 km              CENTRE LONGITUDE   : 0.00000
ACCESS LENGTH    :                   KILOMETRE-POST         :30
SOURCE ACCESS    :via old Fort Smith Road

-----

CONDITION         :winter only        DIGITIZER NUMBER :
LAND TENURE       :                   STATUS :undeveloped
STOCKPILE TYPE    :                   SITE PLAN SCALE :
PAST USE          :                   AREA :
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 :first investigation    LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                     TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87    GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :ridges,outwash plain
AREA DRAINAGE          :          TOPOGRAPHY            :level-gently rolling
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                    UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :

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

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

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

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

CLASS 1 :          TOTAL VOLUME :4250000          PROSPECTIVE VOLUME :4250000
CLASS 2 :          PROVEN VOLUME :              TOTAL RECOVERABLE :
CLASS 3 :4250000    PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-16
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :3.5 km south of highway 5 @ km 30
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :3.5
ACCESS LENGTH  :
SOURCE ACCESS  :possibly accessible in winter via existing cut lines

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :589000
CENTRE NORTHING(UTM) :6729000
OFFSET DIRECTION :R
KILOMETRE-POST   :30

-----

CONDITION      :winter only
LAND TENURE     :
STOCKPILE TYPE  :
PAST USE        :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY   :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER :
TESTPITS:DEPTH   :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :ridge
TOPOGRAPHY :

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

GRANULAR TYPE :sandy gravel (estimate)
GRANULAR THICKNESS :1.0 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :165000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :165000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :165000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-17              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION            :0.5-2.5 km south of highway 5 @ km 20-26  CENTRE ZONE(UTM)      :11
CORRIDOR NAME:    :                                           CENTRE EASTING(UTM)   :588000
CORRIDOR NUMBER :                                           CENTRE NORTHING(UTM)  :6732000
OFFSET DISTANCE :0.5-2.5 km          CENTRE LATITUDE : 0.00000  OFFSET DIRECTION      :R
ACCESS LENGTH    :                   CENTRE LONGITUDE : 0.00000  KILOMETRE-POST        :20-26
SOURCE ACCESS    :via existing cutlines

-----
CONDITION         :winter only          DIGITIZER NUMBER :
LAND TENURE       :                     STATUS :undeveloped
STOCKPILE TYPE    :                     SITE PLAN SCALE :
PAST USE          :                     AREA :
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 :first investigation          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                          TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :2 beach ridges
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :fine sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :          OVERBURDEN TYPE        :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE       :
DEVELOP. CONSTRAINTS   :

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :85000          PROSPECTIVE VOLUME :85000
CLASS 2 :          PROVEN VOLUME :
CLASS 3 :          PROBABLE VOLUME :          TOTAL RECOVERABLE :
CLASS 4 :85000          ANNUAL RECOVERABLE :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S)	:5-18		NTS MAP REFERENCE :85B
STUDY ORDER :			MAP DIGITIZER NUMBER :
STUDY REFERENCE :			MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :			
----- Location Details -----			
LOCATION	:3 km south of highway 5 @ km 32.5	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:593000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6731000
OFFSET DISTANCE :3 km		CENTRE LATITUDE : 0.00000	
ACCESS LENGTH :		CENTRE LONGITUDE : 0.00000	
SOURCE ACCESS :access gained along existing winter trails		OFFSET DIRECTION	:R
		KILOMETRE-POST	:32.5

CONDITION	:winter only	DIGITIZER NUMBER :	
LAND TENURE :		STATUS :undeveloped	
STOCKPILE TYPE :		SITE PLAN SCALE :	
PAST USE :		AREA :	
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 :first investigation		LAST INVESTIGATION DATE :1987	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial	
SLOPE :		LANDFORM :beach ridge complex	
AREA DRAINAGE :		TOPOGRAPHY :	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :sandy gravel		OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :1.0 m		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS :			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :1200000	PROSPECTIVE VOLUME :1200000	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :1200000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-19              NTS MAP REFERENCE :858
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION           :along highway 5 @ km 32-38      CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                               CENTRE EASTING(UTM) :594000
CORRIDOR NUMBER  :                               CENTRE NORTHING(UTM) :6735000
OFFSET DISTANCE  :0                           CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                               CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :along highway                OFFSET DIRECTION :
KILOMETRE-POST   :32-38

-----
CONDITION        :                               DIGITIZER NUMBER :
LAND TENURE      :                               STATUS :active;southern section depleted
STOCKPILE TYPE   :                               SITE PLAN SCALE :
PAST USE         :                               AREA :
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 :RKL(1974);BHL(1977)          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :group of ridges
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :well graded,sandy gravel      OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :          OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE     :glacial till
DEVELOP. CONSTRAINTS   :

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

----- Test Results -----
UNIFIED SOIL:CLASS     :          D-50              :
CLASSIFICATION #       :          OVERSIZE(%)       :
PETRO NO.              : 0                MOISTURE(%) :NUMBER :          GRAVEL(%) :54 (av.)
SIEVE ANAL. #         : 16              MOISTURE(%) :RESULTS :          SAND(%) :41 (av.)
PETROGR. NO.:RESULTS  :          FINES(%)         :05 (av.)
OTHER TESTS           :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :1500000      TOTAL VOLUME :1500000      PROSPECTIVE VOLUME :
CLASS 3 :              PROVEN VOLUME :1500000      TOTAL RECOVERABLE :
CLASS 4 :              PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-20
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :4 km south of highway 5 @ km 37
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :4 km
ACCESS LENGTH :
SOURCE ACCESS  :accessed via existing bush trails

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :596000
CENTRE NORTHING(UTM) :6729000
OFFSET DIRECTION :R
KILOMETRE-POST :37

-----

CONDITION      :winter only
LAND TENURE     :
STOCKPILE TYPE  :
PAST USE        :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH :
TESTPITS:NUMBER :
TESTPITS:DEPTH :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH :
DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :ridge
TOPOGRAPHY :

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

GRANULAR TYPE :sandy gravel
GRANULAR THICKNESS :1 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :375000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :375000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :375000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-21
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION           :1-4 km south of highway 5 @ km 40-45
CORRIDOR NAME:    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :1-4 km
ACCESS LENGTH    :
SOURCE ACCESS    :poor-along sveral existing seismic trails

CENTRE ZONE(UTM)  :11
CENTRE EASTING(UTM) :602000
CENTRE NORTHING(UTM) :6730000
OFFSET DIRECTION  :R
KILOMETRE-POST    :40-45

CENTRE LATITUDE   : 0.00000
CENTRE LONGITUDE  : 0.00000

-----

CONDITION         :
LAND TENURE        :
STOCKPILE TYPE     :
PAST USE           :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY     :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER  :
TESTPITS:DEPTH   :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY     :

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

ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES   :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN       :glaciofluvial
LANDFORM              :group of ridges
TOPOGRAPHY           :

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

GRANULAR TYPE         :
GRANULAR THICKNESS    :1 m
DEVELOP. POTENTIAL    :
DEVELOP. CONSTRAINTS  :

OVERBURDEN THICKNESS  :
OVERBURDEN TYPE       :
UNDERBURDEN TYPE      :

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

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

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :630000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME        :630000
PROVEN VOLUME       :
PROBABLE VOLUME     :

PROSPECTIVE VOLUME  :630000
TOTAL RECOVERABLE   :
ANNUAL RECOVERABLE  :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-22
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE   :

NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :3 km south of highway 5 @ km 45
CORRIDOR NAME:    :
CORRIDOR NUMBER   :
OFFSET DISTANCE   :3.0 km
ACCESS LENGTH     :
SOURCE ACCESS     :accessible along existing trails

CENTRE LATITUDE   : 0.00000
CENTRE LONGITUDE  : 0.00000
CENTRE ZONE(UTM)  :11
CENTRE EASTING(UTM) :602000
CENTRE NORTHING(UTM) :6728000
OFFSET DIRECTION  :R
KILOMETRE-POST    :45

-----
CONDITION         :winter only
LAND TENURE       :
STOCKPILE TYPE    :
PAST USE          :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM       :group of ridges
TOPOGRAPHY     :

----- Source Stratigraphy -----
GRANULAR TYPE      :
GRANULAR THICKNESS :
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

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

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

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

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :450000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :450000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :450000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 5-24		NTS MAP REFERENCE	: 858
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	: 7 km north of highway 5 @ km 44	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME	:	CENTRE EASTING(UTM)	: 601000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 6742000
OFFSET DISTANCE	: 7.0 km	CENTRE LATITUDE	: 0.00000
ACCESS LENGTH	:	CENTRE LONGITUDE	: 0.00000
SOURCE ACCESS	: no ready access	OFFSET DIRECTION	: L
		KILOMETRE-POST	: 44

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	: undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	:	AREA	:
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	: first investigation	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:	EXPOSURES:NUMBER	:	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

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

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: 03/16/87	GENERIC ORIGIN	: glaciofluvial
SLOPE	:			LANDFORM	: series of ridges
AREA DRAINAGE	:			TOPOGRAPHY	:
VEGETATION	:				
PERMAFROST FEATURES	:				

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

GRANULAR TYPE	: sandy to bouldery gravel	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	: 1.0 m	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: relatively inaccessible		

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

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

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

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

CLASS 1	:	TOTAL VOLUME	: 650000	PROSPECTIVE VOLUME	: 650000
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3	: 650000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4	:				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC74HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:HR-102		NTS MAP REFERENCE	:85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 0
SOURCE REFERENCE	:			

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

LOCATION	:6-10 km west of Hay River	CENTRE ZONE(UTM)	:11
CORRIDOR NAME	:	CENTRE EASTING(UTM)	:560000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:6745000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 0.00000
ACCESS LENGTH	:	CENTRE LONGITUDE	: 0.00000
SOURCE ACCESS	:along a seismic line, 6.4 km northwest of Hay River	OFFSET DIRECTION	:
		KILOMETRE-POST	:

CONDITION	:winter only	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	:undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE	:39000
PAST USE	:	AREA	:
STOCKPILE QUANTITY	:	EXCAVATED VOLUME-FOR HIGHWAY	: 0
PERFORMANCE RATING	:	-FOR PIPELINE	: 0
		PRIORITY FOR FUTURE STUDY	:very low

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

INVESTIGATION LEVEL	:	LAST INVESTIGATION DATE	:1974
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:	EXPOSURES:NUMBER	:	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

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

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	:glaciofluvial
SLOPE	:			LANDFORM	:beach ridge
AREA DRAINAGE	:			TOPOGRAPHY	:
VEGETATION	:				
PERMAFROST FEATURES	:				

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

GRANULAR TYPE	:fine sand;trace organics	OVERBURDEN THICKNESS	:0.15 m
GRANULAR THICKNESS	:1.0 m	OVERBURDEN TYPE	:topsoil,moss
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:close to Great Slave Lake;high water table;high organic content		

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

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

UNIFIED SOIL:CLASS	:	MOISTURE(%):NUMBER	:3	D-50	:
CLASSIFICATION #	:	MOISTURE(%):RESULTS	:21.6 (average)	OVERSIZE(%)	:
PETRO NO.	: 0			GRAVEL(%)	:
SIEVE ANAL. #	: 0			SAND(%)	:95.0 av.
PETROGR. NO.:RESULTS	:			FINES(%)	:5.0 av.
OTHER TESTS	:				

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

CLASS 1	:	TOTAL VOLUME	:1000000	PROSPECTIVE VOLUME	:1000000
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4	:1000000				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: INAC74HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: HR- 113A		NTS MAP REFERENCE	: 85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 0
SOURCE REFERENCE	:			

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

LOCATION	: 15 km south of Hay River along highway 2, 1.7 km west	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME	: across marshland.	CENTRE EASTING(UTM)	: 559000
	:	CENTRE LATITUDE	: 0.00000
ORIGIN NUMBER	:	CENTRE LONGITUDE	: 0.00000
ACCESS LENGTH	: 1.7 km	KILOMETRE-POST	: L
	:		:
SOURCE ACCESS	: poor access		

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	: undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	:	AREA	:
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	:	LAST INVESTIGATION DATE	: 1974
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:	EXPOSURES:NUMBER	:	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

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

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: / /	GENERIC ORIGIN	: glaciofluvial
SLOPE	:			LANDFORM	: ground moraine
AREA DRAINAGE	: good drainage			TOPOGRAPHY	:
VEGETATION	: marshland				
PERMAFROST FEATURES	:				

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

GRANULAR TYPE	: silt and clay	OVERBURDEN THICKNESS	: topsoil
GRANULAR THICKNESS	: 1.0 m	OVERBURDEN TYPE	: 0.3 m
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: poor quality material; poor access		

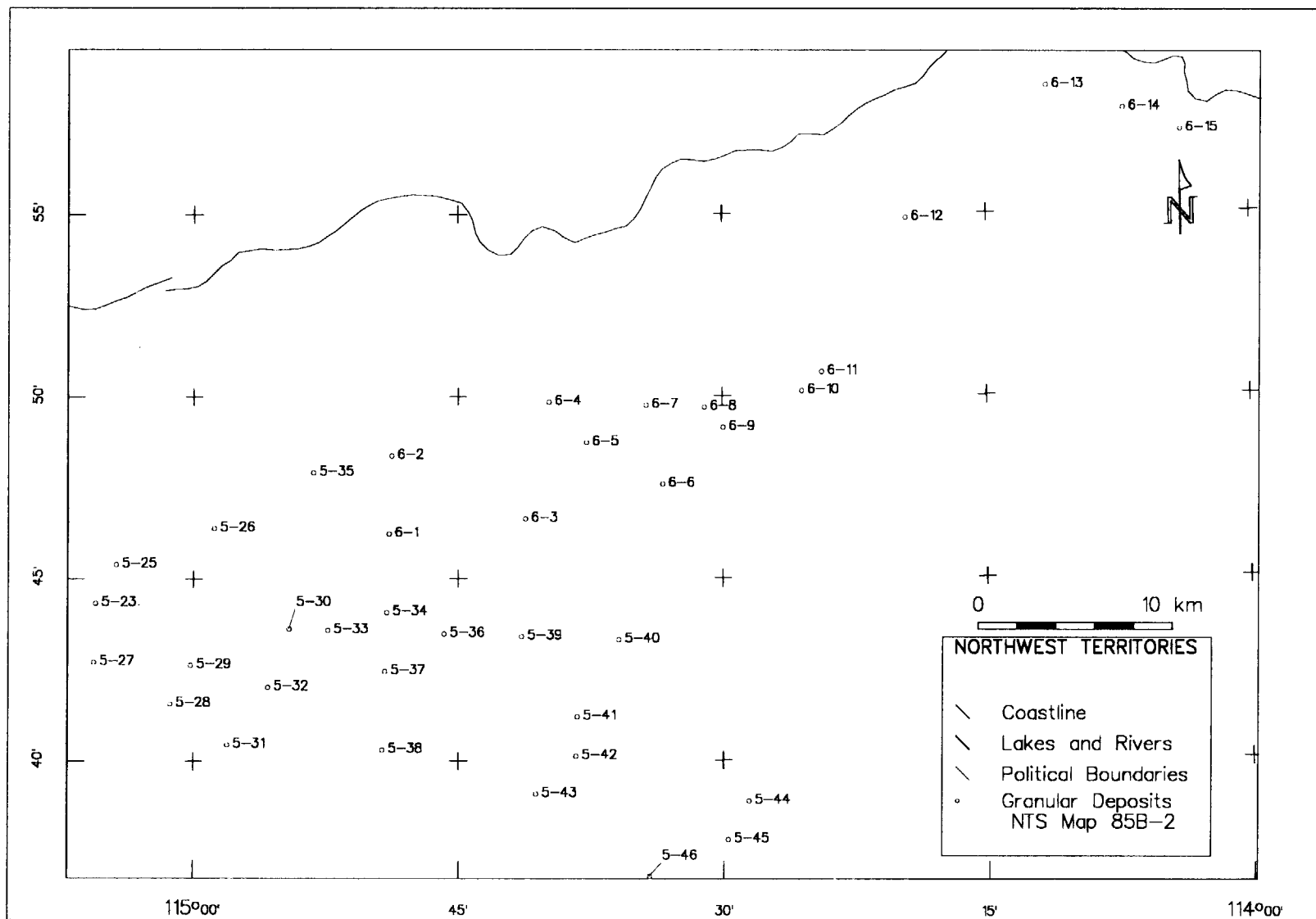
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

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

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

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

CLASS 1	:	TOTAL VOLUME	: 230000	PROSPECTIVE VOLUME	: 230000
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3	:	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4	: 230000				
CLASS 5	:				



DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
5-23	03/16/87	85B	604000	6735000	silty/sandy coarse gravel	glaciofluvial
5-25	03/16/87	85B	605000	6737000	sandy gravel	glaciofluvial
5-26	03/16/87	85B	610000	6739000	sand - sandy gravel	glaciofluvial
5-27	03/16/87	85B	604000	6732000	sand & gravel	glaciofluvial
5-28	03/16/87	85B	608000	6730000	sandy gravel	glaciofluvial
5-29	03/16/87	85B	609000	6732000	well graded sandy gravel	glaciofluvial
5-30	03/16/87	85B	614000	6734000	sandy gravel	glaciofluvial
5-31	03/16/87	85B	611000	6728000	sandy gravel	glaciofluvial
5-32	03/16/87	85B	613000	6731000	sandy gravel	glaciofluvial
5-33	03/16/87	85B	616000	6734000	sandy gravel	glaciofluvial
5-34	03/16/87	85B	619000	6735000	sandy gravel	glaciofluvial
5-35	03/16/87	85B	615000	6742000	sandy gravel	glaciofluvial
5-36	03/16/87	85B	622000	6734000	sandy gravel	glaciofluvial
5-37	03/16/87	85B	619000	6732000	gravelly sand	glaciofluvial
5-38	03/16/87	85B	619000	6728000	sandy gravel	glaciofluvial
5-39	03/16/87	85B	626000	6734000	sandy gravel	glaciofluvial
5-40	03/16/87	85B	631000	6734000	well graded sand and gravel	glaciofluvial
5-41	03/16/87	85B	629000	6730000	gravelly sand	glaciofluvial
5-42	03/16/87	85B	629000	6728000	sandy gravel	glaciofluvial
5-43	03/16/87	85B	627000	6726000	sandy gravel	glaciofluvial
5-44	03/16/87	85B	638000	6726000	silty fine sand & silt	eolian
5-45	03/16/87	85B	637000	6724000	well graded sand & gravel	glaciofluvial
5-46	03/16/87	85B	633000	6722000	sandy gravel	glaciofluvial
6-4	03/16/87	85B	627000	6746000	gravelly sand	glaciofluvial
6-1	03/16/87	85B	619000	6739000	sandy gravel	glaciofluvial
6-3	03/16/87	85B	626000	6740000	sandy gravel (estimate)	glaciofluvial
6-2	03/16/87	85B	619000	6743000	gravelly sand	glaciofluvial
6-5	03/16/87	85B	629000	6744000	dirty sandy gravel	glaciofluvial
6-6	03/16/87	85B	633000	6742000	sandy gravel	glaciofluvial
6-7	03/16/87	85B	632000	6746000	sandy gravel	glaciofluvial
6-8	03/16/87	85B	635000	6746000	sandy gravel	glaciofluvial
6-9	03/16/87	85B	636000	6745000	gravel	glaciofluvial
6-10	03/16/87	85B	640000	6747000	poorly graded gravel	glaciofluvial
6-11	03/16/87	85B	641000	6748000	good quality gravel;some sand	glaciofluvial
6-12	03/16/87	85B	645000	6756000	sandy gravel/sand	glaciofluvial
6-13	03/16/87	85B	652000	6763000	sandy gravel & gravelly sand	glaciofluvial
6-14	03/16/87	85B	656000	6762000	sandy gravel & gravelly sand	glaciofluvial
6-15	03/16/87	85B	659000	6761000	sandy/bouldery gravel	glaciofluvial

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-23              NTS MAP REFERENCE :858
STUDY ORDER      :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE :

----- Location Details -----
LOCATION           :along and to the north of highway 5 @ km 41-43
CORRIDOR NAME    :                   CENTRE LATITUDE  : 0.00000
CORRIDOR NUMBER  :                   CENTRE LONGITUDE : 0.00000
OFFSET DISTANCE :                   OFFSET DIRECTION :L
ACCESS LENGTH   :                   KILOMETRE-POST   :41-43
SOURCE ACCESS    :along highway

-----
CONDITION        :                   DIGITIZER NUMBER :
LAND TENURE      :                   STATUS :active
STOCKPILE TYPE   :                   SITE PLAN SCALE :
PAST USE         :source material for HR runway      AREA :
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 :BHL(1977)          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA  :                   TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER :                   TESTPITS:NUMBER :10          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :                   TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS :                   SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciofluvial
SLOPE                  :                   LANDFORM              :outwash deposit
AREA DRAINAGE          :                   TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :silty/sandy coarse gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :2.25 m                          OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                   UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS  :

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :                   D-50                :
CLASSIFICATION #      :                   OVERSIZE(%)        :
PETRO NO.             : 0                   GRAVEL(%)          :70 (av.)
SIEVE ANAL. #         : 5                   SAND(%)            :24 (av.)
PETROGR. NO.:RESULTS  :                   FINES(%)           :06 (av.)
OTHER TESTS           :

----- Material Quantity -----
CLASS 1 :                   TOTAL VOLUME :950000          PROSPECTIVE VOLUME :950000
CLASS 2 :                   PROVEN VOLUME :                TOTAL RECOVERABLE :
CLASS 3 :950000             PROBABLE VOLUME :              ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER      :
SOURCE NUMBER(S)  :5-25              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION           :4 km north of highway 5, 40 km east of Hay River
CORRIDOR NAME:    :
CORRIDOR NUMBER  :                  CENTRE LATITUDE : 0.00000
OFFSET DISTANCE :4.0 km             CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :                  OFFSET DIRECTION :L
SOURCE ACCESS    :via existing trail from Polar Lake area(deposit 5-29)
                                           KILOMETRE-POST :

-----

CONDITION        :                  DIGITIZER NUMBER :
LAND TENURE       :                  STATUS :undeveloped
STOCKPILE TYPE    :                  SITE PLAN SCALE :
PAST USE          :                  AREA :
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 :first investigation      LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                  TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :beach ridge & spit
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                    UNDERBURDEN TYPE   :
DEVELOP. CONSTRAINTS  :

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :1300000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME      :1300000
PROVEN VOLUME     :
PROBABLE VOLUME   :

PROSPECTIVE VOLUME :1300000
TOTAL RECOVERABLE  :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-26              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :610000
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6739000
STUDY REFERENCE  :                   OFFSET DIRECTION :L
SOURCE REFERENCE :                   KILOMETRE-POST   :53

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

LOCATION           :8 km north of highway 5 @ km 53
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :8.0 km
ACCESS LENGTH    :
SOURCE ACCESS    :no access

CONDITION        :
LAND TENURE      :
STOCKPILE TYPE   :
PAST USE         :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                   TEST HOLE DENSITY      :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :beach ridge & spit
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sand - sandy gravel  OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m               OVERBURDEN TYPE       :
DEVELOP. POTENTIAL     :                   UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS   :

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :400000
CLASS 4 :35000
CLASS 5 :

TOTAL VOLUME :435000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :435000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-27              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :604000
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6732000
STUDY REFERENCE  :                   OFFSET DIRECTION :          KILOMETRE-POST  :43-46
SOURCE REFERENCE :

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

LOCATION           :along highway 5 @ km 43-46
CORRIDOR NAME    :
CORRIDOR NUMBER  :                   CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :604000
OFFSET DISTANCE  :0                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6732000
ACCESS LENGTH    :                   OFFSET DIRECTION :          KILOMETRE-POST  :43-46
SOURCE ACCESS    :along highway

-----

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

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

INVESTIGATION LEVEL :
GEOPHYSICAL DATA   :                   LAST INVESTIGATION DATE :1987
                                           TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :                   TESTPITS:NUMBER :
                                           TESTPITS:DEPTH :
                                           EXPOSURES:NUMBER :
                                           EXPOSURES:DEPTH :
                                           DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE                  :                   SITE DESCRIPTION DATE :03/16/87
AREA DRAINAGE          :                   GENERIC ORIGIN :glaciofluvial
VEGETATION             :                   LANDFORM :outwash deposits
PERMAFROST FEATURES    :                   TOPOGRAPHY :

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

GRANULAR TYPE          :sand & gravel
GRANULAR THICKNESS     :1.0 m
DEVELOP. POTENTIAL    :
DEVELOP. CONSTRAINTS  :                   OVERBURDEN THICKNESS :
                                           OVERBURDEN TYPE :
                                           UNDERBURDEN TYPE :

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

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

UNIFIED SOIL:CLASS :
CLASSIFICATION #    :
PETRO NO.           : 1
SIEVE ANAL. #       : 1
PETROGR. NO.:RESULTS :169 (average)
OTHER TESTS         :
                                           D-50 :
                                           OVERSIZE(%) :
                                           GRAVEL(%) :40 (av.)
                                           SAND(%) :50 (av.)
                                           FINES(%) :04 (av.)

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

CLASS 1 :
CLASS 2 :
CLASS 3 :850000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME :850000
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :850000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :5-28		NTS MAP REFERENCE :85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :1-2 km south of highway 5 @ km 48	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :608000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6730000
OFFSET DISTANCE :1-2 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :no access	OFFSET DIRECTION :R
	KILOMETRE-POST :48

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :sveral ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :1.0 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :210000	PROSPECTIVE VOLUME :210000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :210000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :5-29		NTS MAP REFERENCE :85B	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE :			
----- Location Details -----			
LOCATION :along and to the north of highway 5 @ km 48-53		CENTRE ZONE(UTM) :11	
CORRIDOR NAME: :		CENTRE EASTING(UTM) :609000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6732000	
OFFSET DISTANCE :	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :L	
ACCESS LENGTH :		KILOMETRE-POST :48-53	
SOURCE ACCESS :along highway			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :active		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :	AREA :		
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 :BHL(1977)		LAST INVESTIGATION DATE :1987	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :27	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial	
SLOPE :		LANDFORM :group of ridges	
AREA DRAINAGE :		TOPOGRAPHY :	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :well graded sandy gravel	OVERBURDEN THICKNESS :		
GRANULAR THICKNESS :	OVERBURDEN TYPE :		
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :proximity to Polar Bear Recreational area			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. :3	MOISTURE(%) :NUMBER :	GRAVEL(%) :60.5(av)	
SIEVE ANAL. # :17	MOISTURE(%) :RESULTS :	SAND(%) :33.5(av)	
PETROGR. NO.:RESULTS :suitable for use in concrete		FINES(%) :6.0 (av)	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :1290000	PROSPECTIVE VOLUME :	
CLASS 2 :1250000	PROVEN VOLUME :1290000	TOTAL RECOVERABLE :	
CLASS 3 :140000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :5-30              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM)  :614000
STUDY ORDER       :                  CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM) :6734000
STUDY REFERENCE   :                  KILOMETRE-POST    :
SOURCE REFERENCE  :                  MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION            :1-3.5 km north of highway 5 on either side of the Buffalo
                  :River
CORRIDOR NAME     :
CORRIDOR NUMBER   :                  CENTRE EASTING(UTM)  :614000
OFFSET DISTANCE   :1-3.5             CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM) :6734000
ACCESS LENGTH     :                  OFFSET DIRECTION  :L
SOURCE ACCESS     :easternmost ridge via existing bush trails;the other 2
                  :ridges not accessible

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :first investigation  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                  TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :3 ridges
AREA DRAINAGE          :          TOPOGRAPHY            :level-gently rolling
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.5 m                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                    UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS   :

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :225000          PROSPECTIVE VOLUME :225000
CLASS 2 :          PROVEN VOLUME :                TOTAL RECOVERABLE :
CLASS 3 :          PROBABLE VOLUME :              ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-31
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION          :2 km south of highway 5 at km 53
CORRIDOR NAME:  :
CORRIDOR NUMBER :
OFFSET DISTANCE :2.0 km
ACCESS LENGTH   :
SOURCE ACCESS   :no access

CENTRE LATITUDE : 0.00000
CENTRE LONGITUDE : 0.00000
CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :611000
CENTRE NORTHING(UTM) :6728000
OFFSET DIRECTION :R
KILOMETRE-POST   :53

-----
CONDITION        :
LAND TENURE      :
STOCKPILE TYPE   :
PAST USE         :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY     :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM       :ridge
TOPOGRAPHY     :

----- Source Stratigraphy -----
GRANULAR TYPE      :sandy gravel
GRANULAR THICKNESS :0.5 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :small volume;poor access

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

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

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

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :18500
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :18500
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :18500
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-32
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :0.7 km south of highway 5 @ km 55
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :0.7 km
ACCESS LENGTH  :
SOURCE ACCESS  :no access;some cut lines cross the deposit

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :613000
CENTRE NORTHING(UTM) :6731000
OFFSET DIRECTION :R
KILOMETRE-POST   :55

-----

CONDITION      :
LAND TENURE     :
STOCKPILE TYPE  :
PAST USE        :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH :
TESTPITS:NUMBER :
TESTPITS:DEPTH :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH :
DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :ridge
TOPOGRAPHY :

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

GRANULAR TYPE :sandy gravel
GRANULAR THICKNESS :0.5 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :poor access;small volume

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :22500
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :22500
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :22500
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :5-33              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :616000
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6734000
STUDY REFERENCE  :                   OFFSET DIRECTION  :          KILOMETRE-POST    :56-57
SOURCE REFERENCE :                   MAP LOC./PLAN SCALE :          250000

----- Location Details -----
LOCATION           :along highway 5 @ km 56-57.5
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    :
SOURCE ACCESS    :along highway

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :first investigation  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                   TEST HOLE DENSITY      :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES   :
LANDFORM               :
TOPOGRAPHY            :

----- Source Stratigraphy -----
GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.5 m                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :
DEVELOP. CONSTRAINTS  :
UNDERBURDEN TYPE       :

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :
CLASSIFICATION #      :
PETRO NO.             : 0                   MOISTURE(%):NUMBER   :
SIEVE ANAL. #         : 0                   MOISTURE(%):RESULTS  :3.0 (average)
PETROGR. NO.:RESULTS  :158 (average)
OTHER TESTS           :
D-50                  :
OVERSIZE(%)          :
GRAVEL(%)             :41 (av.)
SAND(%)               :56 (av.)
FINES(%)              :03 (av.)

----- Material Quantity -----
CLASS 1 :
CLASS 2 :55000          TOTAL VOLUME          :55000          PROSPECTIVE VOLUME :55000
CLASS 3 :
CLASS 4 :
CLASS 5 :
PROVEN VOLUME          :
PROBABLE VOLUME        :
TOTAL RECOVERABLE     :
ANNUAL RECOVERABLE    :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :5-34		NTS MAP REFERENCE :85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :close to the junction of highways 5 & 6, 23 km southwest of Pine Point	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :619000
CORRIDOR NUMBER: :	CENTRE NORTHING(UTM) :6735000
OFFSET DISTANCE: :	OFFSET DIRECTION : :
ACCESS LENGTH: :	KILOMETRE-POST : :
SOURCE ACCESS :along highway	
CENTRE LATITUDE : 0.00000	
CENTRE LONGITUDE : 0.00000	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY : :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM : :
AREA DRAINAGE :		TOPOGRAPHY :level-gently rolling
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :1 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :225000	PROSPECTIVE VOLUME :225000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :225000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :5-35		NTS MAP REFERENCE :85B	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE :			
----- Location Details -----			
LOCATION :6-7 km north of the highway 5 & 6 junction		CENTRE ZONE(UTM) :11	
CORRIDOR NAME: :		CENTRE EASTING(UTM) :615000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6742000	
OFFSET DISTANCE :6-7 km	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :L	
ACCESS LENGTH :		KILOMETRE-POST :	
SOURCE ACCESS :not readily accessible - bush trails traverse part of the deposit			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :undeveloped		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :	AREA :		
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 :first investigation		LAST INVESTIGATION DATE :1987	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial	
SLOPE :		LANDFORM :	
AREA DRAINAGE :		TOPOGRAPHY :level-gently rolling	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :sandy gravel		OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :0.5 m		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS :			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :575000	PROSPECTIVE VOLUME :575000	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :575000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER      :
SOURCE NUMBER(S)  :5-36                NTS MAP REFERENCE :85B
STUDY ORDER       :                    MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                    MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION           :0.25 km east of highway 5 @ km 61      CENTRE ZONE(UTM)      :11
CORRIDOR NAME:    :                                       CENTRE EASTING(UTM)   :622000
CORRIDOR NUMBER  :                                       CENTRE NORTHING(UTM) :6734000
OFFSET DISTANCE  :0.25 km                               CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                       CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :located 250 m east of highway 5        OFFSET DIRECTION     :L
                                                         KILOMETRE-POST      :61

-----

CONDITION         :                               DIGITIZER NUMBER :
LAND TENURE        :                               STATUS :undeveloped
STOCKPILE TYPE     :                               SITE PLAN SCALE :
PAST USE           :                               AREA :
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 :first investigation                LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :ridge
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                    UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS   :

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :390000      TOTAL VOLUME :390000      PROSPECTIVE VOLUME :390000
CLASS 4 :
CLASS 5 :
PROVEN VOLUME :
PROBABLE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-37
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :1-2 km west of highway 5 @ km 62
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :1-2 km
ACCESS LENGTH  :
SOURCE ACCESS  :no existing access - a few cut lines cross the area

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :619000
CENTRE NORTHING(UTM) :6732000
OFFSET DIRECTION :R
KILOMETRE-POST   :62

-----

CONDITION :
LAND TENURE :
STOCKPILE TYPE :
PAST USE :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH :
TESTPITS:NUMBER :
TESTPITS:DEPTH :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH :
DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :2 outwash plains
TOPOGRAPHY :

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

GRANULAR TYPE :gravelly sand
GRANULAR THICKNESS :0.5 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :a sinkhole is located adjacent to the deposit

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :55000
CLASS 5 :

TOTAL VOLUME :55000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :55000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :5-38		NTS MAP REFERENCE :85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :2-7 km west of highway 5 @ km 64	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :619000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6728000
OFFSET DISTANCE :2-7 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :no access other than a series of cut lines providing winter access	OFFSET DIRECTION :R
	KILOMETRE-POST :64

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :series of ridges
AREA DRAINAGE :		TOPOGRAPHY :level-gently rolling
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :240000	PROSPECTIVE VOLUME :240000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :240000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-39              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION           :0.3-7 km east of highway 5 @ km 62.5    CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                                         CENTRE EASTING(UTM) :626000
CORRIDOR NUMBER  :                                         CENTRE NORTHING(UTM) :6734000
OFFSET DISTANCE  :0.3-7.0 km          CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                     CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :western end accessible by means of an existing pit
                                         OFFSET DIRECTION  :L
                                         KILOMETRE-POST    :62.5

-----
CONDITION        :          DIGITIZER NUMBER :
LAND TENURE      :          STATUS :abandoned
STOCKPILE TYPE   :          SITE PLAN SCALE :
PAST USE         :          AREA :
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 :first investigation          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :          TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciofluvial
SLOPE                  :          AREA DRAINAGE          LANDFORM       :beach ridge
VEGETATION             :          TOPOGRAPHY            :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :2.0 m                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE      :
DEVELOP. CONSTRAINTS   :

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :1050000          PROSPECTIVE VOLUME :1050000
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE :
CLASS 3 :1050000    PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-40
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION      :east and west of highway 5 @ km 64.5
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :
ACCESS LENGTH  :
SOURCE ACCESS  :along highway

CENTRE LATITUDE : 0.00000
CENTRE LONGITUDE : 0.00000
CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :631000
CENTRE NORTHING(UTM) :6734000
OFFSET DIRECTION :
KILOMETRE-POST   :64.5

-----
CONDITION       :
LAND TENURE      :
STOCKPILE TYPE   :
PAST USE         :aggregate for asphalt
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :Underhill Engineering(1986b)
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN       :glaciofluvial
LANDFORM             :beach ridges & spits
TOPOGRAPHY           :

----- Source Stratigraphy -----
GRANULAR TYPE      :well graded sand and gravel
GRANULAR THICKNESS :2.0 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :
CLASSIFICATION #    :
PETRO NO.          : 1
SIEVE ANAL. #      : 22
PETROGR. NO.:RESULTS :115 - suitable for use in concrete
OTHER TESTS        :

MOISTURE(%):NUMBER :
MOISTURE(%):RESULTS :
D-50              :
OVERSIZE(%)       :
GRAVEL(%)         :37-64-81
SAND(%)           :10-28-56
FINES(%)          :02-08-24

----- Material Quantity -----
CLASS 1 :
CLASS 2 :4150000
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :4150000
PROVEN VOLUME :150000
PROBABLE VOLUME :750000

PROSPECTIVE VOLUME :3250000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-41              CENTRE LATITUDE : 0.00000  NTS MAP REFERENCE :858
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                   OFFSET DIRECTION :          MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :

----- Location Details -----
LOCATION           :along and to the east of highway 5 @ km 67-71  CENTRE ZONE(UTM) :11
CORRIDOR NAME    :          CENTRE EASTING(UTM) :629000
CORRIDOR NUMBER  :          CENTRE NORTHING(UTM):6730000
OFFSET DISTANCE :          KILOMETRE-POST      :67-71
ACCESS LENGTH    :
SOURCE ACCESS    :along highway

-----
CONDITION        :          DIGITIZER NUMBER :
LAND TENURE      :          STATUS :undeveloped
STOCKPILE TYPE   :          SITE PLAN SCALE :
PAST USE         :          AREA :
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 :first investigation  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA  :          TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :outwash plain
AREA DRAINAGE          :          TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :gravelly sand  OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.5 m          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :1100000  PROSPECTIVE VOLUME :1100000
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE :
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :1100000
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-42              NTS MAP REFERENCE :858
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION            :along highway 5 @ km 72      CENTRE ZONE(UTM)      :11
CORRIDOR NAME:    :                          CENTRE EASTING(UTM) :629000
CORRIDOR NUMBER :                                CENTRE NORTHING(UTM) :6728000
OFFSET DISTANCE :                                OFFSET DIRECTION     :
ACCESS LENGTH    :                                KILOMETRE-POST    :72
SOURCE ACCESS    :along highway

-----

CONDITION          :                      DIGITIZER NUMBER :
LAND TENURE        :                      STATUS :abandoned
STOCKPILE TYPE     :                      SITE PLAN SCALE :
PAST USE           :highway construction        AREA :
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 :                      LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                      TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :                                          LANDFORM :ridge
AREA DRAINAGE          :                                          TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sandy gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m                OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :                    UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :

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

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

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

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

CLASS 1 :                      TOTAL VOLUME :230000          PROSPECTIVE VOLUME :230000
CLASS 2 :                      PROVEN VOLUME :                TOTAL RECOVERABLE :
CLASS 3 :230000                PROBABLE VOLUME :                ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :
  
```


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :5-43
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :southwest of highway 5 @ km 76
CORRIDOR NAME:    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    :
SOURCE ACCESS    :access is poor(along bush trails) to non-existent

CENTRE ZONE(UTM)   :11
CENTRE EASTING(UTM) :627000
CENTRE NORTHING(UTM) :6726000
OFFSET DIRECTION   :R
KILOMETRE-POST     :76

-----
CONDITION          :
LAND TENURE         :
STOCKPILE TYPE      :
PAST USE            :
STOCKPILE QUANTITY  :
PERFORMANCE RATING  :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY     :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                   :
AREA DRAINAGE           :
VEGETATION              :
PERMAFROST FEATURES     :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM       :2 ridges
TOPOGRAPHY     :

----- Source Stratigraphy -----
GRANULAR TYPE      :sandy gravel
GRANULAR THICKNESS :
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

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

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

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :840000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME      :840000
PROVEN VOLUME     :
PROBABLE VOLUME   :

PROSPECTIVE VOLUME :840000
TOTAL RECOVERABLE  :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-44              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :638000
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6726000
STUDY REFERENCE  :                   OFFSET DIRECTION :L          KILOMETRE-POST      :80
SOURCE REFERENCE :                   MAP LOC./PLAN SCALE : 250000

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

LOCATION           :3-4 km east of highway 5 @ km 80
CORRIDOR NAME    :
CORRIDOR NUMBER  :                   CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :638000
OFFSET DISTANCE :3-4 km              CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6726000
ACCESS LENGTH    :                   OFFSET DIRECTION :L          KILOMETRE-POST      :80
SOURCE ACCESS    :poor access via the existing power line right-of-way

-----

CONDITION        :                   DIGITIZER NUMBER :
LAND TENURE      :                   STATUS :undeveloped
STOCKPILE TYPE   :                   SITE PLAN SCALE :
PAST USE         :                   AREA :
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 :first investigation  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                   TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :                   TESTPITS:NUMBER :                   EXPOSURES:NUMBER :                   DATA QUALITY :
BOREHOLES:DEPTH  :                   TESTPITS:DEPTH  :                   EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :                   SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :eolian
SLOPE                  :                   LANDFORM :ridge & dune
AREA DRAINAGE          :                   TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :silty fine sand & silt  OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :                   OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :                   UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS   :

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :low quality general fill
CLASS 5 :
TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-45              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION           :traversed by highway 5 @ km 83-84      CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                                         CENTRE EASTING(UTM) :637000
CORRIDOR NUMBER  :                                         CENTRE NORTHING(UTM) :6724000
OFFSET DISTANCE  :                                         CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                         CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :along highway                           KILOMETRE-POST   :83-84

-----

CONDITION        :          DIGITIZER NUMBER :
LAND TENURE      :          STATUS :active
STOCKPILE TYPE   :          SITE PLAN SCALE :
PAST USE         :          AREA :
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 :Underhill Engineering(1986b)        LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :          TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :beach ridges
AREA DRAINAGE          :          TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :well graded sand & gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :up to 3.0 m                        OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :

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

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

UNIFIED SOIL:CLASS :          D-50 :
CLASSIFICATION #   :          OVERSIZE(%) :
PETRO NO.         : 0          MOISTURE(%) :NUMBER :          GRAVEL(%) :43-62-78
SIEVE ANAL. #     : 11        MOISTURE(%) :RESULTS :          SAND(%) :15-30-40
PETROGR. NO.:RESULTS :          FINES(%) :05-08-12
OTHER TESTS       :LA Abrasion - 26 (average)

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

CLASS 1 :          TOTAL VOLUME :450000          PROSPECTIVE VOLUME :
CLASS 2 :450000    PROVEN VOLUME :60000          TOTAL RECOVERABLE :
CLASS 3 :          PROBABLE VOLUME :390000        ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-46              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION           :1-4 km west of highway 5 @ km 84.5    CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                                     CENTRE EASTING(UTM) :633000
CORRIDOR NUMBER  :                                     CENTRE NORTHING(UTM) :6722000
OFFSET DISTANCE  :1-4 km                               CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                     CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :poor access                          OFFSET DIRECTION :R
                                                         KILOMETRE-POST    :84.5

-----

CONDITION        :                                     DIGITIZER NUMBER :
LAND TENURE      :                                     STATUS :undeveloped
STOCKPILE TYPE   :                                     SITE PLAN SCALE :
PAST USE         :                                     AREA :
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 :first investigation                LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                                  TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87    GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :
AREA DRAINAGE          :          TOPOGRAPHY :
VEGETATION              :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sandy gravel                OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m                       OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :                               UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :

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

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

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

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

CLASS 1 :          TOTAL VOLUME :1500000          PROSPECTIVE VOLUME :1500000
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE :
CLASS 3 :1500000    PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :6-1
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :2-3 km north of the intersection of highways 5 & 6
CORRIDOR NAME:    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :2.0-3.0 km
ACCESS LENGTH    :
SOURCE ACCESS     :along existing mine roads and exploration trails

CENTRE LATITUDE   : 0.00000
CENTRE LONGITUDE  : 0.00000
CENTRE ZONE(UTM)  :11
CENTRE EASTING(UTM) :619000
CENTRE NORTHING(UTM) :6739000
OFFSET DIRECTION  :L
KILOMETRE-POST    :0

-----
CONDITION         :
LAND TENURE        :
STOCKPILE TYPE     :
PAST USE           :used for railway construction
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                   :
AREA DRAINAGE           :
VEGETATION              :
PERMAFROST FEATURES     :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM       :outwash ridge
TOPOGRAPHY     :

----- Source Stratigraphy -----
GRANULAR TYPE      :sandy gravel
GRANULAR THICKNESS :1.0 m
DEVELOP. POTENTIAL :
DEVELOP. CONTRANTS :relatively inaccessible

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

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

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

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :350000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :350000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :350000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 6-2		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 3.5 km north of highway 6 @ km 4	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 619000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6743000
OFFSET DISTANCE : 3.5 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : via existing exploration trails	OFFSET DIRECTION : L
	KILOMETRE-POST : 4.0

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : beach ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : lengthy haul distance	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 350000	PROSPECTIVE VOLUME : 350000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 350000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :6-3                MAP DIGITIZER NUMBER :858
STUDY ORDER       :                   MAP LOC./PLAN SCALE : 250000
STUDY REFERENCE   :
SOURCE REFERENCE  :

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

LOCATION           :traverses highway 6 12-20 km SW of Pine Point
CORRIDOR NAME:    :
CORRIDOR NUMBER   :                   CENTRE LATITUDE : 0.00000
OFFSET DISTANCE  :0                   CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :                   KILOMETRE-POST   :
SOURCE ACCESS    :along highway 6 & C.N.R.

CENTRE ZONE(UTM)  :11
CENTRE EASTING(UTM) :626000
CENTRE NORTHING(UTM) :6740000
OFFSET DIRECTION  :
KILOMETRE-POST    :

-----

CONDITION         :
LAND TENURE        :
STOCKPILE TYPE     :
PAST USE           :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

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

INVESTIGATION LEVEL :first investigation
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY   :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER  :
TESTPITS:DEPTH   :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY     :

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

ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM       :outwash/ridge
TOPOGRAPHY     :

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

GRANULAR TYPE      :sandy gravel (estimate)
GRANULAR THICKNESS :1.0 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

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

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

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

MOISTURE(%):NUMBER :
MOISTURE(%):RESULTS :
D-50              :
OVERSIZE(%)       :
GRAVEL(%)          :
SAND(%)            :
FINES(%)           :

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

CLASS 1 :
CLASS 2 :
CLASS 3 :7500000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :7500000
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :7500000
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

```
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :6-4                NTS MAP REFERENCE :85B
STUDY ORDER       :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :
```

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

LOCATION	:3 km north of highway 6, 12 km west of Pine Point	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:627000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:6746000
OFFSET DISTANCE	:3.0 km	CENTRE LONGITUDE :	0.00000
ACCESS LENGTH :		OFFSET DIRECTION	:L
SOURCE ACCESS	:via existing mine haul roads (Spring,1987)	KILOMETRE-POST	:

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :active
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :used by Pine Point Mines	AREA :
STOCKPILE QUANTITY :	EXCAVATED VOLUME-FOR HIGHWAY :
PERFORMANCE RATING :	-FOR PIPELINE :
	PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :ridge & lag deposits
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE	:gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS	:0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :		

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

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

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

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

CLASS 1 :	TOTAL VOLUME :	400000	PROSPECTIVE VOLUME :	400000
CLASS 2 :	PROVEN VOLUME :		TOTAL RECOVERABLE :	
CLASS 3 :	PROBABLE VOLUME :		ANNUAL RECOVERABLE :	
CLASS 4 :		400000		
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:6-5		NTS MAP REFERENCE	:85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	:2 km north of highway 6 @ km 13-14	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:629000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:6744000
OFFSET DISTANCE	:2.0 km	CENTRE LATITUDE	: 0.00000
ACCESS LENGTH	:	CENTRE LONGITUDE	: 0.00000
SOURCE ACCESS	:via existing mine haul road (Spring,1987)	OFFSET DIRECTION	:L
		KILOMETRE-POST	:13-14

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	:active
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	:road surfacing material	AREA	:
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 :	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE	:dirty sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS	:2.0 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS	:no demand when mine closes	

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

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

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

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

CLASS 1 :	TOTAL VOLUME	:375000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE :
CLASS 3 :375000	PROBABLE VOLUME	:375000	ANNUAL RECOVERABLE :
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 6-6		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : south of highway 6 @ km 13.5-17	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 633000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6742000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : no present access; possibly via mine haul road in future	OFFSET DIRECTION : R
	KILOMETRE-POST : 13.5

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : beach/spit complex
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.0 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 650000	PROSPECTIVE VOLUME : 650000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 : 650000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 6-7		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 2-3.5 km north of highway 6 @ km 19	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 632000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6746000
OFFSET DISTANCE : 2-3.5 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : via mine haul road & bush trails	OFFSET DIRECTION : L
	KILOMETRE-POST : 19

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : group of ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.0 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 225000	PROSPECTIVE VOLUME : 225000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 : 225000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 6-8		NTS MAP REFERENCE : 85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 1 km north of highway 6, 1.5 km west of Pine Point	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 635000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6746000
OFFSET DISTANCE : 1.0 km	OFFSET DIRECTION : L
ACCESS LENGTH :	KILOMETRE-POST :
SOURCE ACCESS : along exploration trails	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 1.0 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 400000	PROSPECTIVE VOLUME : 400000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 : 400000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :6-9		NTS MAP REFERENCE :85B
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :traverses highway 6 @ km 17.5-22	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :636000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6745000
OFFSET DISTANCE :0	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :along highway 6	OFFSET DIRECTION :
	KILOMETRE-POST :17.5

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :active
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :concrete quality aggregate	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :beach ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :some class 1 available	TOTAL VOLUME :450000	PROSPECTIVE VOLUME :450000
CLASS 2 :450000	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :6-10
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER  :
NTS MAP REFERENCE :858
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :traverses highway 6 @ km 24-24.5
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :0
ACCESS LENGTH  :
SOURCE ACCESS  :along highway

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :640000
CENTRE NORTHING(UTM) :6747000
OFFSET DIRECTION :
KILOMETRE-POST   :24

-----

CONDITION      :
LAND TENURE     :
STOCKPILE TYPE  :
PAST USE        :aggreg. for use by Pine Point
STOCKPILE QUANTITY :
PERFORMANCE RATING :

DIGITIZER NUMBER :
STATUS           :depleted;abandoned
SITE PLAN SCALE  :
AREA            :
EXCAVATED VOLUME-FOR HIGHWAY : 0
                  -FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :
GEOPHYSICAL DATA   :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY      :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER  :
TESTPITS:DEPTH   :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY     :

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

ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM       :beach ridge
TOPOGRAPHY     :

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

GRANULAR TYPE      :poorly graded gravel
GRANULAR THICKNESS :
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE      :
UNDERBURDEN TYPE     :

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

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

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

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

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

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

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

TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :6-11
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

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

LOCATION      :1-2 km east of Pine Point
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :
ACCESS LENGTH :
SOURCE ACCESS :via airport road

CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :641000
CENTRE NORTHING(UTM) :6748000
OFFSET DIRECTION :
KILOMETRE-POST :

-----

CONDITION :
LAND TENURE :
STOCKPILE TYPE :
PAST USE :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

DIGITIZER NUMBER :
STATUS :active;easternmost pit depleted
SITE PLAN SCALE :
AREA :
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE : 0
PRIORITY FOR FUTURE STUDY :

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

INVESTIGATION LEVEL :
GEOPHYSICAL DATA :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH :
TESTPITS:NUMBER :
TESTPITS:DEPTH :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH :
DATA QUALITY :

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

ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :beach ridge
TOPOGRAPHY :

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

GRANULAR TYPE :good quality gravel;some sand
GRANULAR THICKNESS :1.5 m
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

UNIFIED SOIL:CLASS :
CLASSIFICATION # :
PETRO NO. : 1
SIEVE ANAL. # : 1
PETROGR. NO.:RESULTS :166 (average)
OTHER TESTS :

MOISTURE(%):NUMBER :1
MOISTURE(%):RESULTS :3.7 (average)

D-50 :
OVERSIZE(%) :
GRAVEL(%) :54 (av.)
SAND(%) :44 (av.)
FINES(%) :3 (av.)

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

CLASS 1 :
CLASS 2 :170000
CLASS 3 :170000
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :340000
PROVEN VOLUME :
PROBABLE VOLUME :340000

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

```
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER  :
SOURCE NUMBER(S)  :6-12              NTS MAP REFERENCE  :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :
```

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

LOCATION	:traverses highway 6, 4-13 km NE of Pine Point	CENTRE_ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE_EASTING(UTM)	:645000
CORRIDOR NUMBER	:	CENTRE_NORTHING(UTM)	:6756000
OFFSET DISTANCE	:	OFFSET DIRECTION	:
	CENTRE LATITUDE : 0.00000		
	CENTRE LONGITUDE : 0.00000		
ACCESS LENGTH	:	KILOMETRE-POST	:
SOURCE ACCESS	:via Dawson Landing road,mine access roads and exploration trails		

CONDITION :	DIGITIZER NUMBER :	
LAND TENURE :	STATUS :	undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :	
PAST USE :	AREA :	
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 : LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA : TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :outwash deposit
AREA DRAINAGE :		TOPOGRAPHY :level-gently rolling
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE	:sandy gravel/sand	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	:	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:relatively inaccessible		

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

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

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

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

CLASS 1 :	TOTAL VOLUME	:2700000	PROSPECTIVE VOLUME	:2700000
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3 :2700000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4 :				
CLASS 5 :				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :6-13              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION           :a short distance south of Dawson Landing and 15-20 km NE of
                  Pine Point
CORRIDOR NAME:    :
CORRIDOR NUMBER  :          CENTRE LATITUDE : 0.00000
OFFSET DISTANCE  :0          CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :          CENTRE EASTING(UTM) :652000
SOURCE ACCESS    :via Dawson Landing Road      CENTRE NORTHING(UTM) :6763000
                                                OFFSET DIRECTION :
                                                KILOMETRE-POST :

-----
CONDITION        :          DIGITIZER NUMBER :
LAND TENURE      :          STATUS :undeveloped
STOCKPILE TYPE   :          SITE PLAN SCALE :
PAST USE         :          AREA :
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 :          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :          TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :ridge & lag deposits
AREA DRAINAGE          :          TOPOGRAPHY :level-gently rolling
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :sandy gravel & gravelly sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.5 m          OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE :
DEVELOP. CONTRASTS    :the deposit is located close to Great Slave Lake

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

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

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :3900000          PROSPECTIVE VOLUME :3900000
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE :
CLASS 3 :1950000          PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :1950000
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:6-14		NTS MAP REFERENCE	:85B
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	:20-25 km NE of Pine Point on a ridge that extends westward from highway 6 @ km 52	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:656000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:6762000
OFFSET DISTANCE	:	CENTRE LONGITUDE	: 0.00000
ACCESS LENGTH	:	OFFSET DIRECTION	:
SOURCE ACCESS	:access from highway 6 via an existing trail into Dawson Landing	KILOMETRE-POST	:52

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	:undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	:	AREA	:
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	:first investigation	LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:	EXPOSURES:NUMBER	:	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

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

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	:03/16/87	GENERIC ORIGIN	:glaciofluvial
SLOPE	:			LANDFORM	:ridge & lag deposits
AREA DRAINAGE	:			TOPOGRAPHY	:level-gently rolling
VEGETATION	:				
PERMAFROST FEATURES	:				

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

GRANULAR TYPE	:sandy gravel & gravelly sand	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	:0.5 m	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	:the deposit is located close to Great Slave Lake		

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

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

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

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

CLASS 1 :		TOTAL VOLUME	:1350000	PROSPECTIVE VOLUME	:1350000
CLASS 2 :		PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3 :675000		PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4 :675000					
CLASS 5 :					

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :6-15
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER :
NTS MAP REFERENCE :85B
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION      :traverses highway 6 @ km 25
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :
ACCESS LENGTH  :
SOURCE ACCESS  :along highway

CENTRE LATITUDE : 0.00000
CENTRE LONGITUDE : 0.00000
CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :659000
CENTRE NORTHING(UTM) :6761000
OFFSET DIRECTION :
KILOMETRE-POST :25

-----
CONDITION      :
LAND TENURE     :
STOCKPILE TYPE  :
PAST USE        :
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :fist investigation;previous mineral investigation
GEOPHYSICAL DATA :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE :
AREA DRAINAGE :
VEGETATION :
PERMAFROST FEATURES :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN :glaciofluvial
LANDFORM :lag deposit
TOPOGRAPHY :

----- Source Stratigraphy -----
GRANULAR TYPE :sandy/bouldery gravel
GRANULAR THICKNESS :very shallow
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :too shallow for economic extraction

OVERBURDEN THICKNESS :
OVERBURDEN TYPE :
UNDERBURDEN TYPE :

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

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

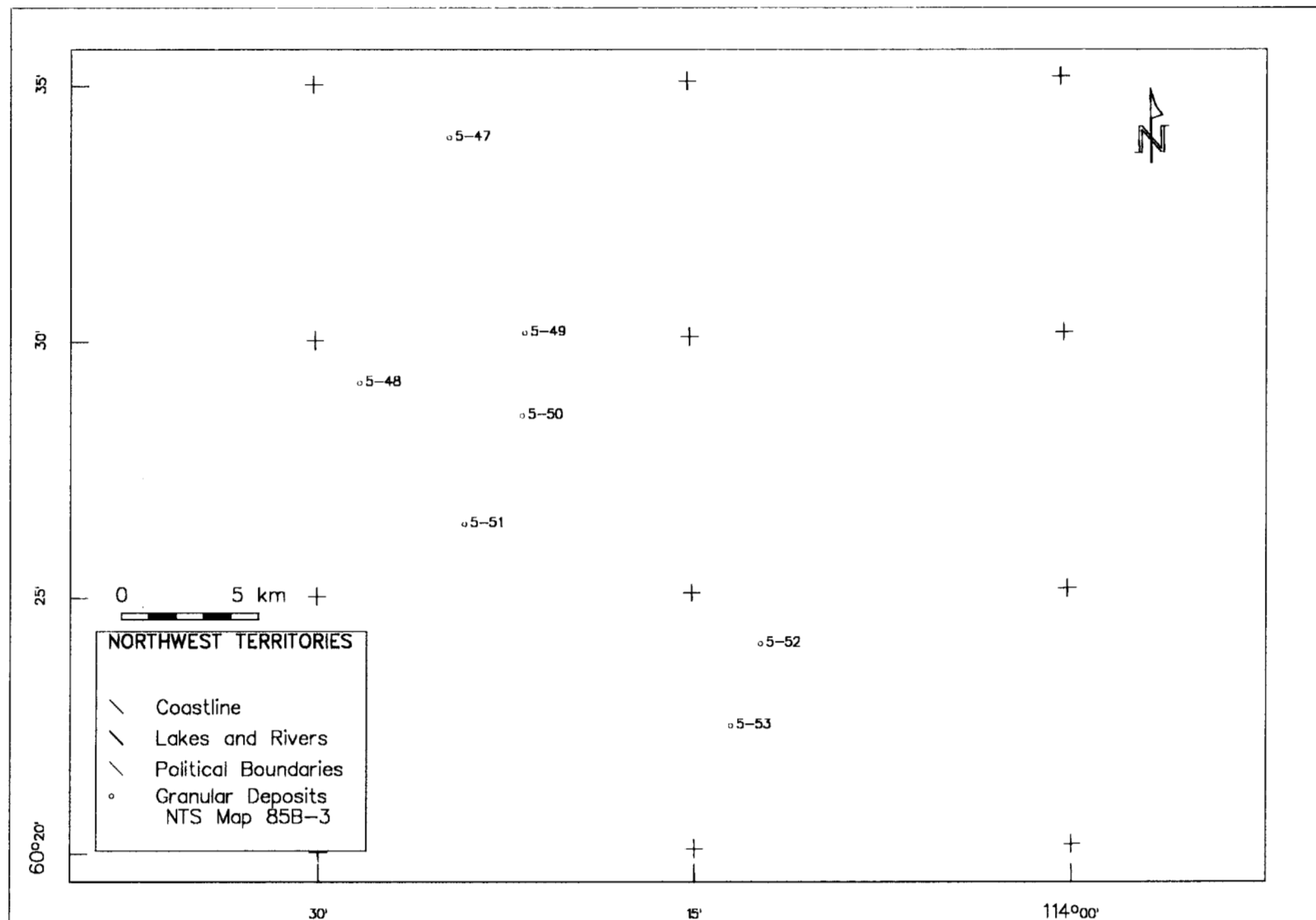
D-50 :
OVERSIZE(%) :
GRAVEL(%) :
SAND(%) :
FINES(%) :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```



DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
5-47	03/16/87	85B	642000	6717000	sand & gravel	
5-48	03/16/87	85B	639000	6708000	silty fine sand	eolian
5-49	03/16/87	85B	645000	6710000		glaciofluvial
5-50	03/16/87	85B	645000	6707000		glaciofluvial
5-51	03/16/87	85B	643000	6703000	sand & gravel	
5-52	03/16/87	85B	654000	6699000	fine grained silty sand	eolian
5-53	03/16/87	85B	653000	6696000	sandy gravel	

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-47              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION            :along highway 5 @ km 89          CENTRE ZONE(UTM)      :11
CORRIDOR NAME     :                               CENTRE EASTING(UTM)   :642000
CORRIDOR NUMBER   :                               CENTRE NORTHING(UTM)  :6717000
OFFSET DISTANCE   :                               CENTRE LONGITUDE     : 0.00000
ACCESS LENGTH     :                               OFFSET DIRECTION     :
SOURCE ACCESS     :along highway                  KILOMETRE-POST       :89

-----
CONDITION         :                               DIGITIZER NUMBER  :
LAND TENURE       :                               STATUS         :active
STOCKPILE TYPE    :                               SITE PLAN SCALE   :
PAST USE          :highway construction            AREA             :
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 :Underhill Engineering(1986b)          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                               TEST HOLE DENSITY :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :
SLOPE                  :          AREA DRAINAGE          :          LANDFORM :
VEGETATION             :          PERMAFROST FEATURES    :          TOPOGRAPHY :

----- Source Stratigraphy -----
GRANULAR TYPE          :sand & gravel          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :up to 3.8 m          OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE      :
DEVELOP. CONSTRAINTS  :

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :          CLASSIFICATION #          :          D-50 :
PETRO NO.             : 0          MOISTURE(%):NUMBER :          OVERSIZE(%) :
SIEVE ANAL. #         : 16          MOISTURE(%):RESULTS :          GRAVEL(%) :53-67-89
PETROGR. NO.:RESULTS  :          OTHER TESTS          :LA Abrasion - 28 (average)          SAND(%) :12-20-31
FINES(%) :07-13-31

----- Material Quantity -----
CLASS 1 :          TOTAL VOLUME :62500          PROSPECTIVE VOLUME :
CLASS 2 :62500          PROVEN VOLUME :62500          TOTAL RECOVERABLE :
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-48              NTS MAP REFERENCE :85B
STUDY ORDER      :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE :

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

LOCATION           :adjacent to Sandy Lake, 36 km south of Pine Point;remainder
                  :extends into Wood Buffalo National Park
CORRIDOR NAME    :
CORRIDOR NUMBER  :                   CENTRE LATITUDE : 0.00000
OFFSET DISTANCE :                   CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :                   CENTRE EASTING(UTM) :639000
SOURCE ACCESS    :no access          CENTRE NORTHING(UTM) :6708000
                                      OFFSET DIRECTION  :R
                                      KILOMETRE-POST    :

-----

CONDITION        :                   DIGITIZER NUMBER :
LAND TENURE      :                   STATUS :undeveloped
STOCKPILE TYPE   :                   SITE PLAN SCALE :
PAST USE         :                   AREA :
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 :                   LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                   TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :                   TESTPITS:NUMBER :                   EXPOSURES:NUMBER :                   DATA QUALITY :
BOREHOLES:DEPTH  :                   TESTPITS:DEPTH  :                   EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :                   SITE DESCRIPTION DATE :03/16/87
SLOPE :                                                         GENERIC ORIGIN :eolian
AREA DRAINAGE :                                                         LANDFORM :dunes & ridges
VEGETATION :                                                         TOPOGRAPHY :level-gently rolling
PERMAFROST FEATURES :

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

GRANULAR TYPE      :silty fine sand
GRANULAR THICKNESS :
DEVELOP. POTENTIAL :
DEVELOP. CONSTRAINTS :proximity to Sandy Lake & Wood Buffalo

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

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

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

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

CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :amount not estimated
CLASS 5 :
TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-49              MAP DIGITIZER NUMBER :85B
STUDY ORDER       :                  MAP LOC./PLAN SCALE :250000
STUDY REFERENCE   :
SOURCE REFERENCE  :

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

LOCATION            :east and west of highway 5 @ km 98.5-99.5  CENTRE ZONE(UTM) :11
CORRIDOR NAME:    :                                           CENTRE EASTING(UTM) :645000
CORRIDOR NUMBER  :                                           CENTRE NORTHING(UTM) :6710000
OFFSET DISTANCE  :                                           CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                           CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :along highway                                KILOMETRE-POST :99

-----

CONDITION         :          DIGITIZER NUMBER :
LAND TENURE       :          STATUS :abandoned
STOCKPILE TYPE    :          SITE PLAN SCALE :
PAST USE          :aggregate source for highways              AREA :
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 :          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :          TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87  GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :ridges
AREA DRAINAGE          :          TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE         :          OVERBURDEN THICKNESS :
GRANULAR THICKNESS    :          OVERBURDEN TYPE :
DEVELOP. POTENTIAL    :          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :further extraction unlikely due to proximity to Wood Buffalo

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

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

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

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

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


GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-50              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION           :extends westward from highway 5 @ km 101
CORRIDOR NAME:    :
CORRIDOR NUMBER  :          CENTRE LATITUDE : 0.00000
OFFSET DISTANCE  :          CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :          CENTRE ZONE(UTM)  :11
SOURCE ACCESS    :along highway          CENTRE EASTING(UTM) :645000
                                          CENTRE NORTHING(UTM):6707000
                                          OFFSET DIRECTION   :R
                                          KILOMETRE-POST     :101

-----

CONDITION         :          DIGITIZER NUMBER :
LAND TENURE       :          STATUS :abandoned
STOCKPILE TYPE    :          SITE PLAN SCALE :
PAST USE          :highway constr. & maintenance
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 :          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :          TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM :ridge
AREA DRAINAGE          :          TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE         :          OVERBURDEN THICKNESS :
GRANULAR THICKNESS    :          OVERBURDEN TYPE :
DEVELOP. POTENTIAL    :          UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :further extraction unlikely due to proximity of Wood Buffalo

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :5-51              NTS MAP REFERENCE :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

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

LOCATION           :2-5 km west of highway 5 @ km 105    CENTRE ZONE(UTM) :11
CORRIDOR NAME    :                                     CENTRE EASTING(UTM) :643000
CORRIDOR NUMBER  :                                     CENTRE NORTHING(UTM) :6703000
OFFSET DISTANCE  :2-5 km                             CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :                                     CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :accessed in winter via existing fireguard access trail
                                                         OFFSET DIRECTION  :R
                                                         KILOMETRE-POST    :105

-----

CONDITION        :winter only          DIGITIZER NUMBER :
LAND TENURE      :                     STATUS :undeveloped
STOCKPILE TYPE   :                     SITE PLAN SCALE :
PAST USE         :                     AREA :
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 :                  LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :                  TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87    GENERIC ORIGIN :
SLOPE                  :          LANDFORM              :ridge & lag deposits
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION             :
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :sand & gravel    OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :                OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                UNDERBURDEN TYPE     :
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity to Wood Buffalo

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

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

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

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

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

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :5-52              CENTRE LATITUDE : 0.00000  CENTRE EASTING(UTM) :654000
STUDY ORDER      :                   CENTRE LONGITUDE : 0.00000  CENTRE NORTHING(UTM):6699000
STUDY REFERENCE  :                   OFFSET DIRECTION  :L
SOURCE REFERENCE  :                   KILOMETRE-POST    :106.8

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

LOCATION           :extends SE from highway 5 @ km 106.8
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :
ACCESS LENGTH    :
SOURCE ACCESS    :along highway

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

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

INVESTIGATION LEVEL :
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

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

BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER  :
TESTPITS:DEPTH   :
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY     :

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

ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :
SITE DESCRIPTION DATE  :03/16/87
GENERIC ORIGIN        :eolian
LANDFORM              :dune ridge
TOPOGRAPHY            :

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

GRANULAR TYPE         :fine grained silty sand
GRANULAR THICKNESS    :
DEVELOP. POTENTIAL    :
DEVELOP. CONSTRAINTS :extraction unlikely due to proximity to Wood Buffalo
OVERBURDEN THICKNESS  :
OVERBURDEN TYPE       :
UNDERBURDEN TYPE      :

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

```
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER   :
SOURCE NUMBER(S)  :5-53              NTS MAP REFERENCE  :85B
STUDY ORDER       :                  MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                  MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE   :
```

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

LOCATION	:traverses highway 5 @ km 112.8-114.6	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:653000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	:6696000
OFFSET DISTANCE	:0	CENTRE LONGITUDE	: 0.00000
ACCESS LENGTH	:	OFFSET DIRECTION	:
SOURCE ACCESS	:along highway	KILOMETRE-POST	:112

CONDITION :		DIGITIZER NUMBER :	
LAND TENURE :		STATUS :	inactive
STOCKPILE TYPE :		SITE PLAN SCALE :	
PAST USE :	highway constr. & maintenance	AREA :	
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 : LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA : TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :
SLOPE :		LANDFORM :ridge & lag deposits
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE	:sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :		OVERBURDEN TYPE :
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS	:further extraction unlikely due to proximity to Wood Buffalo	

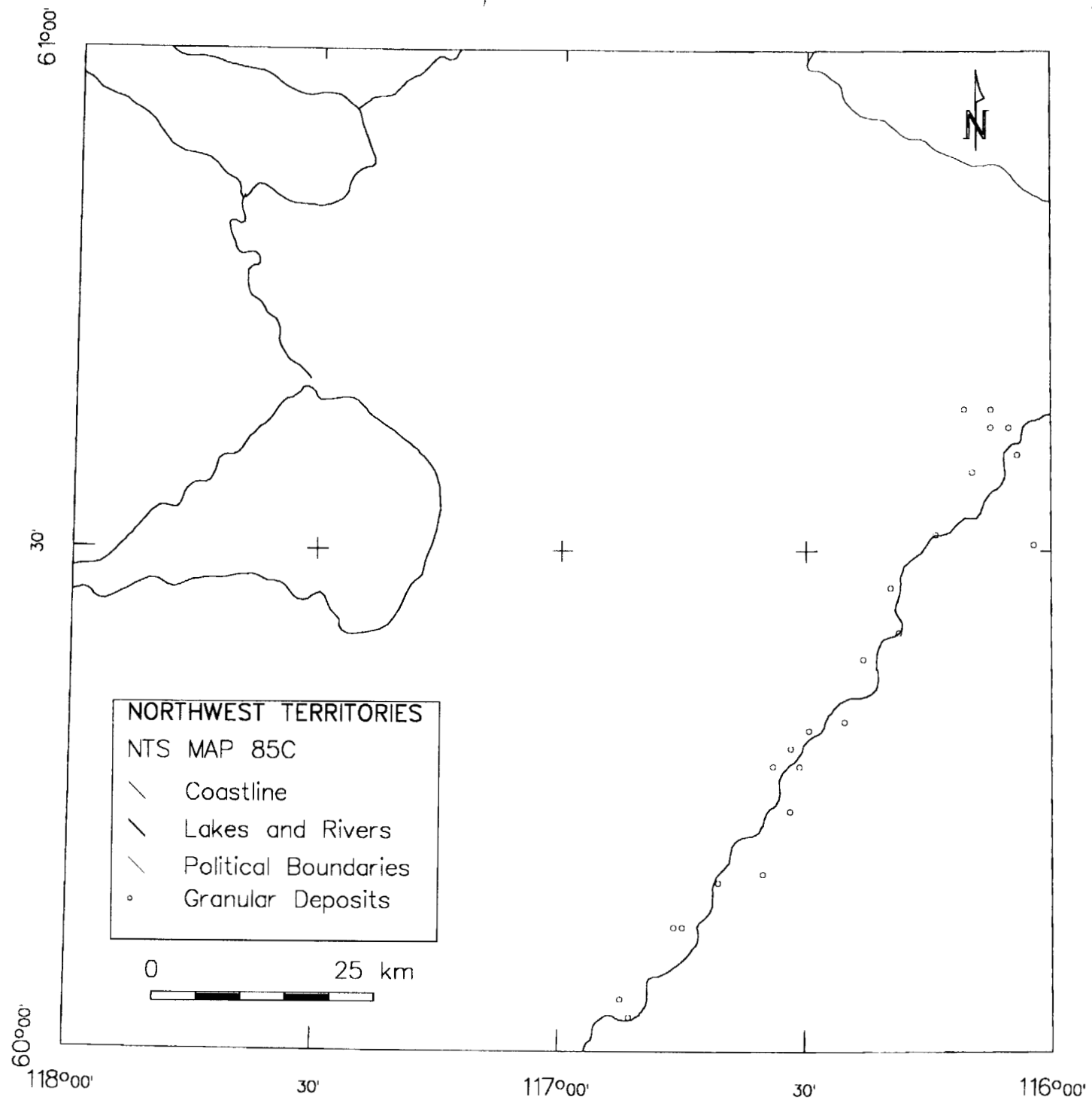
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

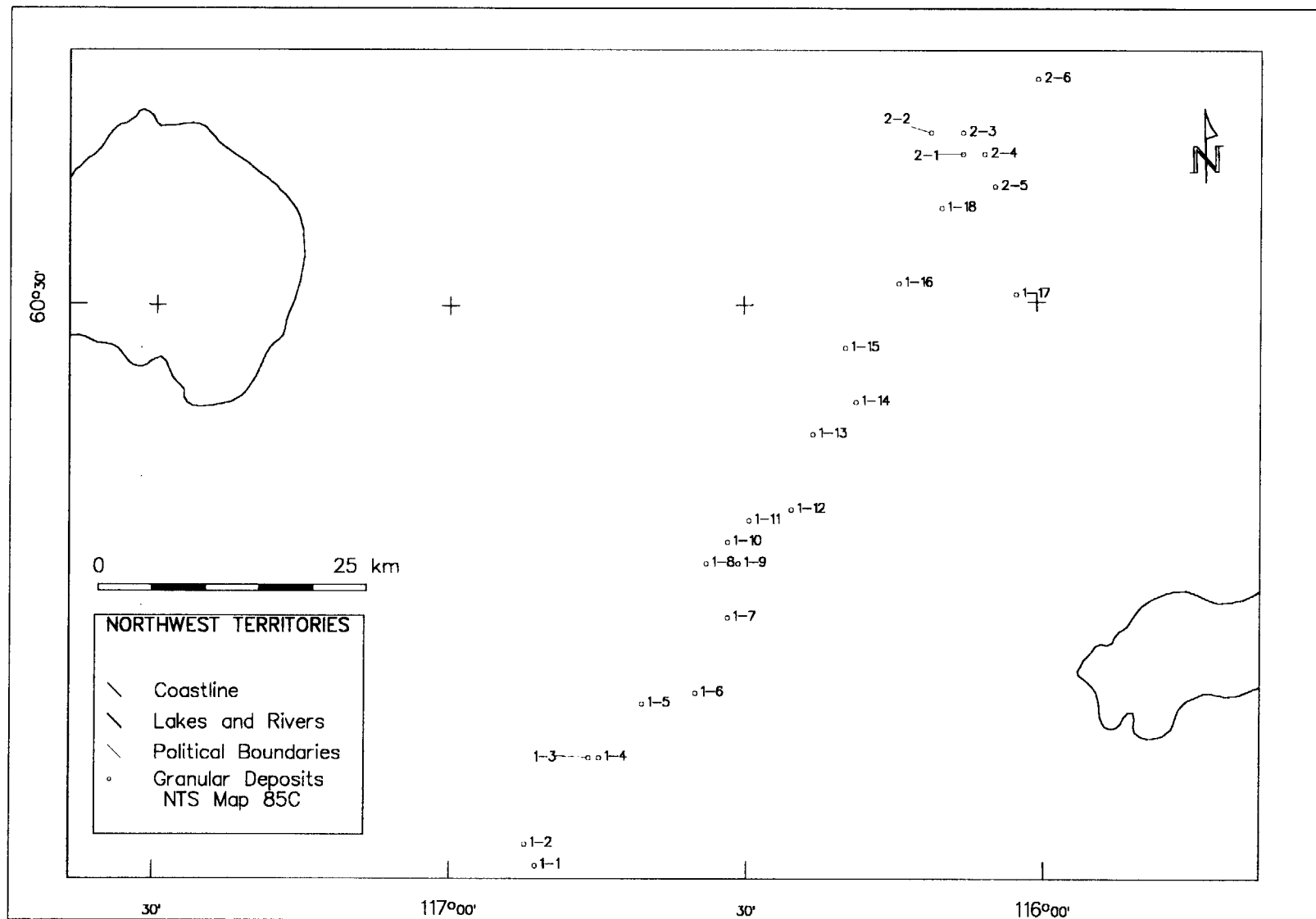
----- Test Results -----

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

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

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





DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
1-1	03/16/87	85C	508000	6655000	gravelly sand-poorly graded	glaciofluvial
1-2	03/16/87	85C	507000	6657000	sandy gravel	glaciofluvial
1-3	03/16/87	85C	513000	6665000	gravelly sand	glaciofluvial
1-4	03/16/87	85C	514000	6665000	sandy gravel	glaciofluvial
1-5	03/16/87	85C	518000	6670000	gravelly sand	glaciofluvial
1-6	03/16/87	85C	523000	6671000	gravelly sand	glaciofluvial
1-7	03/16/87	85C	526000	6678000	gravelly sand	glaciofluvial
1-8	03/16/87	85C	524000	6683000	sandy gravel	glaciofluvial
1-9	03/16/87	85C	527000	6683000	gravelly sand	glaciofluvial
1-10	03/16/87	85C	526000	6685000	sandy gravel	glaciofluvial
1-11	03/16/87	85C	528000	6687000	sandy gravel	glaciofluvial
1-12	03/16/87	85C	532000	6688000	gravelly sand	glaciofluvial
1-13	03/16/87	85C	534000	6695000	gravelly sand	glaciofluvial
1-14	03/16/87	85C	538000	6698000	silty/sandy gravel (estimate)	alluvial
1-15	03/16/87	85C	537000	6703000	gravel(depleted);limestone	
1-16	03/16/87	85C	542000	6709000	fine grain,poorly graded sand	
1-17	03/16/87	85C	553000	6708000		glaciomarine
1-18	03/16/87	85C	546000	6716000	sandy gravel	glaciomarine
2-1	03/16/87	85C	548000	6721000	sandy gravel	glaciolacustrine
2-2	03/16/87	85C	545000	6723000	poorly graded sand @ gravel	glaciolacustrine
2-3	03/16/87	85C	548000	6723000	sand and gravel	glaciolacustrine
2-4	03/16/87	85C	550000	6721000	sand	glaciolacustrine
2-5	03/16/87	85C	551000	6718000	limestone;sandy gravel	bedrock;alluvial
2-6	03/16/87	85C	555000	6728000	poorly graded sand	glaciolacustrine

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :1-1		NTS MAP REFERENCE :85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :1 km east of highway 1 @ km 9	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :508000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6655000
OFFSET DISTANCE :1 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :no access	OFFSET DIRECTION :R
	KILOMETRE-POST :10

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

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

INVESTIGATION LEVEL :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :gravelly sand-poorly graded	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :poor	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :access-poor;environmental-proximity to Hay River	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :75000	PROSPECTIVE VOLUME :75000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :75000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :1-2
STUDY ORDER       :
STUDY REFERENCE   :
SOURCE REFERENCE  :

NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85C
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION           :2 km SW of highway 2 @ km 10
CORRIDOR NAME    :
CORRIDOR NUMBER  :
OFFSET DISTANCE  :2 km
ACCESS LENGTH    :
SOURCE ACCESS    :in winter, by means of a cut line intersecting highway 2 @
                  km 8.2

CENTRE ZONE(UTM)   :11
CENTRE EASTING(UTM) :507000
CENTRE NORTHING(UTM) :6657000
CENTRE LATITUDE   : 0.00000
CENTRE LONGITUDE  : 0.00000
OFFSET DIRECTION  :L
KILOMETRE-POST    :10

-----
CONDITION         :
LAND TENURE       :
STOCKPILE TYPE    :
PAST USE          :developed by Highways Dept.
STOCKPILE QUANTITY :
PERFORMANCE RATING :

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

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :
GEOPHYSICAL DATA   :

LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY      :

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

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :
VEGETATION             :
PERMAFROST FEATURES    :

SITE DESCRIPTION DATE :03/16/87
GENERIC ORIGIN       :glaciofluvial
LANDFORM             :ridge
TOPOGRAPHY           :level-gently rolling

----- Source Stratigraphy -----
GRANULAR TYPE         :sandy gravel
GRANULAR THICKNESS    :
DEVELOP. POTENTIAL    :
DEVELOP. CONSTRAINTS :

OVERBURDEN THICKNESS :
OVERBURDEN TYPE       :till
UNDERBURDEN TYPE      :glacial till

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

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

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

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :
CLASS 4 :
CLASS 5 :

TOTAL VOLUME :
PROVEN VOLUME :
PROBABLE VOLUME :

PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :1-3		NTS MAP REFERENCE :85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :1.5 km west of highway 2, between km 18 and 22	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :513000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6665000
OFFSET DISTANCE :1.5 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :seismic lines in the area may provide winter access	OFFSET DIRECTION :L
	KILOMETRE-POST :

CONDITION :seismic lines	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :narrow ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :110000	PROSPECTIVE VOLUME :110000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :110000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:1-4		NTS MAP REFERENCE	:85C
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	:between km 19 & 20 on highway 1	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:514000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6665000
OFFSET DISTANCE	:0 km	CENTRE LATITUDE :	0.00000
ACCESS LENGTH	:0	CENTRE LONGITUDE :	0.00000
SOURCE ACCESS	:traverses highway	OFFSET DIRECTION	:L
		KILOMETRE-POST	:19-20

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	:depleted
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:highway & railway construction	AREA :	
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 :		LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE	:03/16/87	GENERIC ORIGIN	:glaciofluvial
SLOPE :		LANDFORM	:ridge	
AREA DRAINAGE :		TOPOGRAPHY	:	
VEGETATION :				
PERMAFROST FEATURES :				

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

GRANULAR TYPE	:sandy gravel	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE	:
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS :			

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :1-5		NTS MAP REFERENCE :85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :0-3 km west of highway 1	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :518000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6670000
OFFSET DISTANCE :0-3 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :access only to deposits close to highway	OFFSET DIRECTION :L
	KILOMETRE-POST :28-34

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :outwash plain
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE :gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

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

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

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

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

CLASS 1 :	TOTAL VOLUME :800000	PROSPECTIVE VOLUME :800000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :800000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 1-6		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 2-5 km east of highway 1 @ km 24 to 35	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 523000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6671000
OFFSET DISTANCE : 2-5 km	OFFSET DIRECTION : R
ACCESS LENGTH :	KILOMETRE-POST : 24-35
SOURCE ACCESS : poor access due to bog	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : outwash plain
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.5	OVERBURDEN TYPE : bog
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : poor access; high water table	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 4500000	PROSPECTIVE VOLUME : 4500000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 4500000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 1-7		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 2-3 km east of highway 1 @ km 40-50	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 526000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6678000
OFFSET DISTANCE : 2-3 km	OFFSET DIRECTION : R
ACCESS LENGTH :	KILOMETRE-POST : 40-50
SOURCE ACCESS : poor access-winter only	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigated	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : outwash plain
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.5	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : access	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 1200000	PROSPECTIVE VOLUME : 1200000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 1200000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:1-8		NTS MAP REFERENCE	:85C
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	:west of highway 1 @ km 40-43	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:524000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6683000
OFFSET DISTANCE :		OFFSET DIRECTION	:L
ACCESS LENGTH :		KILOMETRE-POST	:40-43
SOURCE ACCESS	:along highway		

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	:depleted
STOCKPILE TYPE	:overburden	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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 :		LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN	:glaciofluvial
SLOPE :		LANDFORM	:outwash deposits
AREA DRAINAGE :		TOPOGRAPHY	:
VEGETATION :			
PERMAFROST FEATURES :			

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

GRANULAR TYPE	:sandy gravel	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS :			

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 1-9		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION : 1 km east of highway 1 @ km 43-45	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 527000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6683000
OFFSET DISTANCE : 1 km	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : access poor, possible in winter along cut lines	OFFSET DIRECTION : R
	KILOMETRE-POST : 43-45

CONDITION : cut lines	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciofluvial
SLOPE :		LANDFORM : three ridges
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

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

GRANULAR TYPE : gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS : 0.5	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : part of deposit situated adjacent to Hay River	

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

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

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

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

CLASS 1 :	TOTAL VOLUME : 180000	PROSPECTIVE VOLUME : 180000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 180000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :1-10		NTS MAP REFERENCE :85C	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE :			
----- Location Details -----			
LOCATION :0.5 km west of highway 1 @ km 45, along CNR		CENTRE ZONE(UTM) :11	
CORRIDOR NAME: :		CENTRE EASTING(UTM) :526000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6685000	
OFFSET DISTANCE :0.5 km	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :L	
ACCESS LENGTH :		KILOMETRE-POST :45	
SOURCE ACCESS :limited access from highway			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :inactive		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :	AREA :		
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 :		LAST INVESTIGATION DATE :1987	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial	
SLOPE :		LANDFORM :two small ridges	
AREA DRAINAGE :		TOPOGRAPHY :	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :sandy gravel	OVERBURDEN THICKNESS :		
GRANULAR THICKNESS :shallow	OVERBURDEN TYPE :		
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :4000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :4000	PROBABLE VOLUME :4000	ANNUAL RECOVERABLE :	
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 1-11		NTS MAP REFERENCE	: 85C
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

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

LOCATION	: 0.6 km east of highway 1 @ km 48	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 528000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	: 6687000
OFFSET DISTANCE	: 0.6 km	CENTRE LATITUDE :	0.00000
ACCESS LENGTH :		CENTRE LONGITUDE :	0.00000
SOURCE ACCESS	: access from highway	OFFSET DIRECTION	: R
		KILOMETRE-POST	: 48

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	: depleted, pit used for stockpiling
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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 :		LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY	:

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

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

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

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE	: 03/16/87	GENERIC ORIGIN	: glaciofluvial
SLOPE :		LANDFORM	: small ridge	
AREA DRAINAGE	: poor surface drainage	TOPOGRAPHY	:	
VEGETATION	:			
PERMAFROST FEATURES	:			

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

GRANULAR TYPE	: sandy gravel	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE	: topsoil
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: currently used by GNWT as crushing and stockpile site		

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

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

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

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

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

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :1-12              MAP DIGITIZER NUMBER :85C
STUDY ORDER       :                  MAP LOC./PLAN SCALE : 250000
STUDY REFERENCE   :
SOURCE REFERENCE  :

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

LOCATION           :1-3 km east of highway 1 @ km 47-53  CENTRE ZONE(UTM) :11
CORRIDOR NAME    :          CENTRE EASTING(UTM) :532000
CORRIDOR NUMBER  :          CENTRE NORTHING(UTM) :6688000
OFFSET DISTANCE  :1-3 km          CENTRE LATITUDE : 0.00000
ACCESS LENGTH    :          CENTRE LONGITUDE : 0.00000
SOURCE ACCESS    :poor access;possible in winter via seismic lines
KILOMETRE-POST   :47-53

-----

CONDITION        :seismic lines          DIGITIZER NUMBER :
LAND TENURE      :          STATUS :undeveloped
STOCKPILE TYPE   :          SITE PLAN SCALE :
PAST USE         :          AREA :
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 :first investigation          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA   :          TEST HOLE DENSITY :

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

BOREHOLES:NUMBER :          TESTPITS:NUMBER :          EXPOSURES:NUMBER :          DATA QUALITY :
BOREHOLES:DEPTH  :          TESTPITS:DEPTH  :          EXPOSURES:DEPTH  :

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

ACTIVE LAYER THICKNESS :          SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciofluvial
SLOPE                  :          LANDFORM              :outwash plains
AREA DRAINAGE          :          TOPOGRAPHY            :
VEGETATION              :organic terrain
PERMAFROST FEATURES    :

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

GRANULAR TYPE          :gravelly sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.5                   OVERBURDEN TYPE      :organic
DEVELOP. POTENTIAL     :          UNDERBURDEN TYPE      :
DEVELOP. CONSTRAINTS  :organic terrain, access

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

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

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

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

CLASS 1 :          TOTAL VOLUME :1000000          PROSPECTIVE VOLUME :1000000
CLASS 2 :          PROVEN VOLUME :          TOTAL RECOVERABLE :
CLASS 3 :          PROBABLE VOLUME :          ANNUAL RECOVERABLE :
CLASS 4 :1000000
CLASS 5 :
  
```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :	
SOURCE NUMBER(S) :1-13		NTS MAP REFERENCE :85C	
STUDY ORDER :		MAP DIGITIZER NUMBER :	
STUDY REFERENCE :		MAP LOC./PLAN SCALE :	250000
SOURCE REFERENCE :			
----- Location Details -----			
LOCATION :along highway 1 @ km 57-60		CENTRE ZONE(UTM) :11	
CORRIDOR NAME: :		CENTRE EASTING(UTM) :534000	
CORRIDOR NUMBER :	CENTRE LATITUDE : 0.00000	CENTRE NORTHING(UTM) :6695000	
OFFSET DISTANCE :0	CENTRE LONGITUDE : 0.00000	OFFSET DIRECTION :	
ACCESS LENGTH :		KILOMETRE-POST :57-60	
SOURCE ACCESS :along highway			

CONDITION :	DIGITIZER NUMBER :		
LAND TENURE :	STATUS :abandoned		
STOCKPILE TYPE :	SITE PLAN SCALE :		
PAST USE :dev. during railway constr.	AREA :		
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 :first investigation		LAST INVESTIGATION DATE :1987	
GEOPHYSICAL DATA :		TEST HOLE DENSITY :	
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial	
SLOPE :		LANDFORM :outwash plain	
AREA DRAINAGE :		TOPOGRAPHY :	
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE :gravelly sand	OVERBURDEN THICKNESS :		
GRANULAR THICKNESS :0.5	OVERBURDEN TYPE :		
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :		
DEVELOP. CONSTRAINTS :			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50 :	
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :	
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :	
PETROGR. NO.:RESULTS :		FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :300000	PROSPECTIVE VOLUME :300000	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :	
CLASS 4 :300000			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :1-14		NTS MAP REFERENCE :85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

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

LOCATION :1.5 km east of highway 1 @ km 62 within meander of Hay River	CENTRE ZONE(UTM) :11
CORRIDOR NAME: :	CENTRE EASTING(UTM) :538000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6698000
OFFSET DISTANCE :1.5	OFFSET DIRECTION :R
ACCESS LENGTH :	KILOMETRE-POST :62
SOURCE ACCESS :no access	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :first investigation	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :alluvial
SLOPE :		LANDFORM :terrace
AREA DRAINAGE :		TOPOGRAPHY :level-gently rolling
VEGETATION :		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :silty/sandy gravel (estimate)	OVERBURDEN THICKNESS :thick
GRANULAR THICKNESS :1.0	OVERBURDEN TYPE :silty overburden
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONTRASTS :proximity to Hay River	

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME :300000	PROSPECTIVE VOLUME :300000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :300000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	:1-15		NTS MAP REFERENCE	:85C
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

----- Location Details -----

LOCATION	:west side of highway 1 @ km 66-67	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:537000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6703000
OFFSET DISTANCE :0		OFFSET DIRECTION	:L
ACCESS LENGTH :		KILOMETRE-POST	:66-67
SOURCE ACCESS	:along highway		

CONDITION	:	DIGITIZER NUMBER :
LAND TENURE	:	STATUS :active
STOCKPILE TYPE	:	SITE PLAN SCALE :
PAST USE	:granular agg.;limestone	AREA :
STOCKPILE QUANTITY :		EXCAVATED VOLUME-FOR HIGHWAY :
PERFORMANCE RATING :perfor. on highway not satisfactory		-FOR PIPELINE :
		PRIORITY FOR FUTURE STUDY :

===== PART B: SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====

INVESTIGATION LEVEL	:lab testing by Geocon-stone blended with 1-16 sand(4:1)	LAST INVESTIGATION DATE	:1987
	gives class 2/3		
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :
SLOPE :		LANDFORM :
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE	:gravel(depleted);limestone	OVERBURDEN THICKNESS :
GRANULAR THICKNESS	:5.0 (stone)	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :		

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS	:	D-50	:
CLASSIFICATION #	:	OVERSIZE(%)	:
PETRO NO.	: 0	GRAVEL(%)	:
SIEVE ANAL. #	: 0	SAND(%)	:
PETROGR. NO.:RESULTS	:	FINES(%)	:
OTHER TESTS	:LA Abrasion - loss of 20%-26%;Sulph Sd - loss of 4.1%(coarse),15.6%(fine)		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME	:1500000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME	:1500000	ANNUAL RECOVERABLE :
CLASS 4 :			
CLASS 5 :1500000 (limestone)			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 1-16		NTS MAP REFERENCE	: 85C
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

----- Location Details -----

LOCATION	: along highway 1 @ km 74.5-77.5	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 542000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 6709000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 0.00000
ACCESS LENGTH	:	CENTRE LONGITUDE	: 0.00000
SOURCE ACCESS	: along highway	OFFSET DIRECTION	:
		KILOMETRE-POST	: 74-77

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	: active
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	: blend with stone for highways	AREA	:
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	: lab testing by Geocon (1985)	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:	EXPOSURES:NUMBER	:	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: 03/16/87	GENERIC ORIGIN	:
SLOPE	:			LANDFORM	:
AREA DRAINAGE	:			TOPOGRAPHY	:
VEGETATION	:				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	: fine grain, poorly graded sand	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	:	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: constrained on South by park facilities		

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS	:			D-50	:
CLASSIFICATION #	:			OVERSIZE(%)	:
PETRO NO.	: 0	MOISTURE(%) :NUMBER	:	GRAVEL(%)	:
SIEVE ANAL. #	: 0	MOISTURE(%) :RESULTS	:	SAND(%)	:
PETROGR. NO.:RESULTS	:			FINES(%)	: 3-4% av.
OTHER TESTS	:				

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 350000	PROSPECTIVE VOLUME	:
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3	:	PROBABLE VOLUME	: 350000	ANNUAL RECOVERABLE	:
CLASS 4	: 350000				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 1-17		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

----- Location Details -----

LOCATION : across the Hay River valley SE of Enterprise	CENTRE ZONE(UTM) : 11
CORRIDOR NAME: :	CENTRE EASTING(UTM) : 553000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6708000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : no good existing access	OFFSET DIRECTION : R
	KILOMETRE-POST :

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : first investigation	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciomarine
SLOPE :		LANDFORM : beach ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS : access; airphoto interpretation suggests narrow, discontinuous ridges	

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 1500000	PROSPECTIVE VOLUME : 1500000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 : 1500000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 1-18		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

----- Location Details -----

LOCATION : traversed by highway 1 for 7 kilometres west of Enterprise	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 546000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6716000
OFFSET DISTANCE :	OFFSET DIRECTION :
ACCESS LENGTH :	KILOMETRE-POST :
SOURCE ACCESS : along highway	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS : thicker accumulations depleted
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE : crushing and stockpiling site	AREA :
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 :	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciomarine
SLOPE :		LANDFORM : beach ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 2-1		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : INAC74HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-100		

----- Location Details -----

LOCATION : west of highway 2, about 5 km north of Enterprise	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 548000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6721000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : good access from highway	OFFSET DIRECTION :
	KILOMETRE-POST :

CONDITION : year long access	DIGITIZER NUMBER :
LAND TENURE :	STATUS : depleted; small vol. pockets remain
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : RKL(1974) identified material suitable for general fill or aggregate	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER : 4	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.6-0.8-1.3	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciolacustrine
SLOPE :		LANDFORM : beach ridges
AREA DRAINAGE : good for landform; poor for lowland area		TOPOGRAPHY : level-gently rolling
VEGETATION : spruce and poplar tree cover of 40% - 60%		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : sandy gravel	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO. : RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : small volume remains		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

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===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :
SOURCE NUMBER(S)  :2-2
STUDY ORDER       :
STUDY REFERENCE   :INAC74HR
SOURCE REFERENCE   :HR-118
NEW SOURCE NUMBER  :
NTS MAP REFERENCE  :85C
MAP DIGITIZER NUMBER :
MAP LOC./PLAN SCALE : 250000

----- Location Details -----
LOCATION      :west of CNR about 8 km NW of Enterprise
CORRIDOR NAME:
CORRIDOR NUMBER :
OFFSET DISTANCE :
ACCESS LENGTH  :
SOURCE ACCESS  :continuation of deposit 2-1 access trail
CENTRE ZONE(UTM) :11
CENTRE EASTING(UTM) :545000
CENTRE NORTHING(UTM) :6723000
CENTRE LATITUDE : 0.00000
CENTRE LONGITUDE : 0.00000
OFFSET DIRECTION :
KILOMETRE-POST   :

-----
CONDITION      :undeveloped
LAND TENURE     :
STOCKPILE TYPE  :
PAST USE        :
STOCKPILE QUANTITY :
PERFORMANCE RATING :
DIGITIZER NUMBER :
STATUS          :undeveloped
SITE PLAN SCALE :
AREA           :
EXCAVATED VOLUME-FOR HIGHWAY : 0
-FOR PIPELINE   : 0
PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
INVESTIGATION LEVEL :RKL(1974) field and lab testing
GEOPHYSICAL DATA   :
LAST INVESTIGATION DATE :1987
TEST HOLE DENSITY    :

----- Subsurface Data -----
BOREHOLES:NUMBER :
BOREHOLES:DEPTH  :
TESTPITS:NUMBER :5
TESTPITS:DEPTH  :2.1-2.8-3.6
EXPOSURES:NUMBER :
EXPOSURES:DEPTH  :
DATA QUALITY :

----- Source Description -----
ACTIVE LAYER THICKNESS :
SLOPE                  :
AREA DRAINAGE          :good drainage
VEGETATION             :moss and grasses with dense cover of spruce, poplar and pine
PERMAFROST FEATURES    :
SITE DESCRIPTION DATE  :03/16/87
GENERIC ORIGIN        :glaciolacustrine
LANDFORM              :beach ridge complex
TOPOGRAPHY            :level-gently rolling

----- Source Stratigraphy -----
GRANULAR TYPE          :poorly graded sand & gravel
GRANULAR THICKNESS     :1.0
DEVELOP. POTENTIAL     :
DEVELOP. CONSTRAINTS   :
OVERBURDEN THICKNESS  :
OVERBURDEN TYPE        :
UNDERBURDEN TYPE       :glacial till and bedrock

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS :
CLASSIFICATION #    :
PETRO NO.           : 0
SIEVE ANAL. #       : 0
PETROGR. NO.:RESULTS :
OTHER TESTS         :
MOISTURE(%):NUMBER  :5
MOISTURE(%):RESULTS :4.8-6.1-7.9
D-50                :
OVERSIZE(%)         :
GRAVEL(%)           :
SAND(%)             :
FINES(%)            :

----- Material Quantity -----
CLASS 1 :
CLASS 2 :
CLASS 3 :610000
CLASS 4 :
CLASS 5 :
TOTAL VOLUME :610000
PROVEN VOLUME :
PROBABLE VOLUME :610000
PROSPECTIVE VOLUME :
TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

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GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====			
STUDY NUMBER	:INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S)	:2-3		NTS MAP REFERENCE :85C
STUDY ORDER	:		MAP DIGITIZER NUMBER :
STUDY REFERENCE	:INAC74HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE	:HR-114,HR-115,HR-116		
----- Location Details -----			
LOCATION	:west of highway 2, 10 km north of Enterprise	CENTRE ZONE(UTM)	:11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	:548000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	:6723000
OFFSET DISTANCE :		CENTRE LATITUDE : 0.00000	
ACCESS LENGTH :		CENTRE LONGITUDE : 0.00000	
SOURCE ACCESS	:accessible in winter via existing cleared trails	OFFSET DIRECTION	:
		KILOMETRE-POST	:

CONDITION :		DIGITIZER NUMBER :	
LAND TENURE :		STATUS :	inactive in short term
STOCKPILE TYPE :		SITE PLAN SCALE :	
PAST USE :		AREA :	
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	:RKL(1974) field and lab testing	LAST INVESTIGATION DATE	:1987
GEOPHYSICAL DATA :		TEST HOLE DENSITY	:
----- Subsurface Data -----			
BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	
----- Source Description -----			
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN	:glaciolacustrine
SLOPE :		LANDFORM	:set of beach ridges
AREA DRAINAGE :		TOPOGRAPHY	:level-gently rolling
VEGETATION :			
PERMAFROST FEATURES :			
----- Source Stratigraphy -----			
GRANULAR TYPE	:sand and gravel	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONTRASTS :			
===== PART C:TEST RESULTS AND MATERIAL QUALITY =====			
----- Test Results -----			
UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%) :	
PETRO NO. :	0	GRAVEL(%) :	
SIEVE ANAL. # :	0	SAND(%) :	
PETROGR. NO.:RESULTS	:unsuitable for use in concrete	FINES(%) :	
OTHER TESTS :			
----- Material Quantity -----			
CLASS 1 :	TOTAL VOLUME :340000	PROSPECTIVE VOLUME :	
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :	
CLASS 3 :	PROBABLE VOLUME :340000	ANNUAL RECOVERABLE :	
CLASS 4 :340000			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====
STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :2-4                NTS MAP REFERENCE :85C
STUDY ORDER       :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE   :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE  :

----- Location Details -----
LOCATION           :west of highway 2,7.5 km north of Enterprise
CORRIDOR NAME    :
CORRIDOR NUMBER  :                   CENTRE LATITUDE : 0.00000
OFFSET DISTANCE  :                   CENTRE LONGITUDE : 0.00000
ACCESS LENGTH    :                   OFFSET DIRECTION :
SOURCE ACCESS    :traverses highway 5          KILOMETRE-POST :8.2

-----
CONDITION        :                   DIGITIZER NUMBER :
LAND TENURE      :                   STATUS :abandoned
STOCKPILE TYPE   :                   SITE PLAN SCALE :
PAST USE         :                   AREA :
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 :first investigation          LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA  :                             TEST HOLE DENSITY :

----- Subsurface Data -----
BOREHOLES:NUMBER :                   TESTPITS:NUMBER :                   EXPOSURES:NUMBER :                   DATA QUALITY :
BOREHOLES:DEPTH  :                   TESTPITS:DEPTH  :                   EXPOSURES:DEPTH  :

----- Source Description -----
ACTIVE LAYER THICKNESS :                   SITE DESCRIPTION DATE :03/16/87          GENERIC ORIGIN :glaciolacustrine
SLOPE                  :                   LANDFORM :2 small beach ridges
AREA DRAINAGE          :                   TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----
GRANULAR TYPE          :sand                   OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :0.5                     OVERBURDEN TYPE :
DEVELOP. POTENTIAL     :                   UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS  :

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====
----- Test Results -----
UNIFIED SOIL:CLASS    :                   D-50 :
CLASSIFICATION #      :                   OVERSIZE(%) :
PETRO NO.             : 0                   MOISTURE(%) :NUMBER :
SIEVE ANAL. #         : 0                   MOISTURE(%) :RESULTS :
PETROGR. NO.:RESULTS  :                   GRAVEL(%) :
OTHER TESTS           :                   SAND(%) :
                                           FINES(%) :

----- Material Quantity -----
CLASS 1 :                   TOTAL VOLUME :75000          PROSPECTIVE VOLUME :75000
CLASS 2 :                   PROVEN VOLUME :              TOTAL RECOVERABLE :
CLASS 3 :                   PROBABLE VOLUME :              ANNUAL RECOVERABLE :
CLASS 4 :75000
CLASS 5 :

```

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 2-5		NTS MAP REFERENCE	: 85C
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

----- Location Details -----

LOCATION	: east side of highway 2, 6.5 km north of Enterprise	CENTRE ZONE(UTM)	: 11
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 551000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	: 6718000
OFFSET DISTANCE :		OFFSET DIRECTION	:
ACCESS LENGTH :		KILOMETRE-POST	:
SOURCE ACCESS	: along highway		

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	: quarry-abandoned; terrace-depleted
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	:	AREA :	
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	: first investigation	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE	: 03/16/87	GENERIC ORIGIN	: bedrock; alluvial
SLOPE :		LANDFORM	: bedrock; terrace	
AREA DRAINAGE :		TOPOGRAPHY	:	
VEGETATION :				
PERMAFROST FEATURES :				

----- Source Stratigraphy -----

GRANULAR TYPE	: limestone; sandy gravel	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS :		OVERBURDEN TYPE :	
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE :	
DEVELOP. CONSTRAINTS :			

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%)	:
PETRO NO. :	0	GRAVEL(%)	:
SIEVE ANAL. # :	0	SAND(%)	:
PETROGR. NO.:RESULTS :		FINES(%)	:
OTHER TESTS :			

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER : INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) : 2-6		NTS MAP REFERENCE : 85C
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE : INAC74HR		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE : HR-120		

----- Location Details -----

LOCATION : close to highway 2, 22 km south of Hay River	CENTRE ZONE(UTM) : 11
CORRIDOR NAME :	CENTRE EASTING(UTM) : 555000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) : 6728000
OFFSET DISTANCE :	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS : winter only via existing trails	OFFSET DIRECTION :
	KILOMETRE-POST :

CONDITION : winter only	DIGITIZER NUMBER :
LAND TENURE :	STATUS : undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 : RKL(1974) field investigations	LAST INVESTIGATION DATE : 1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER : 2	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH : 0.4-0.5-0.6	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 03/16/87	GENERIC ORIGIN : glaciolacustrine
SLOPE :		LANDFORM : beach ridges
AREA DRAINAGE : good landform drainage; surrounding-poor		TOPOGRAPHY : level-gently rolling
VEGETATION : grasses, ferns and bushes; spruce and pine tree cover of 20% - 40%		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE : poorly graded sand	OVERBURDEN THICKNESS : minimal
GRANULAR THICKNESS : 0.9	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

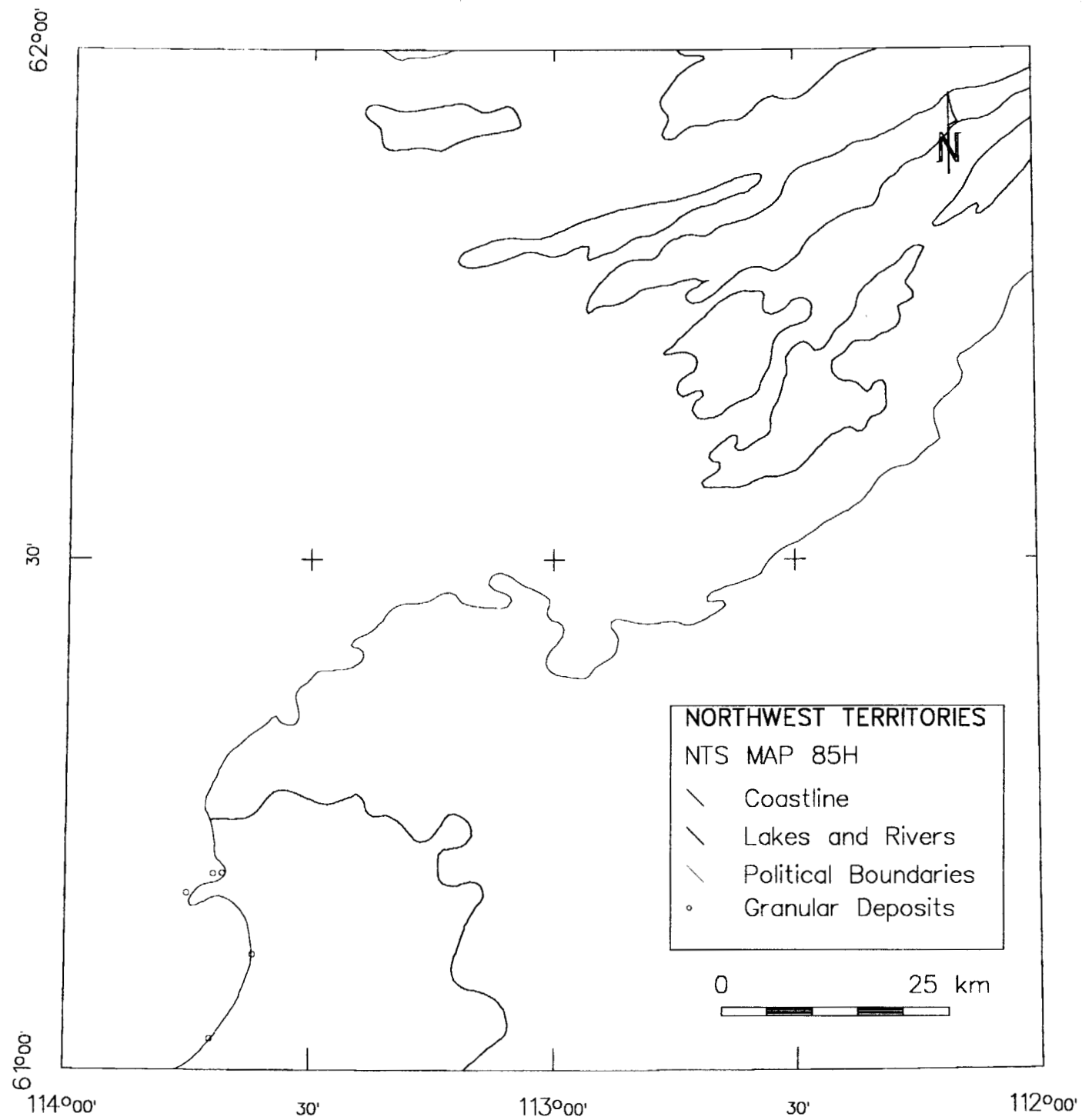
===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

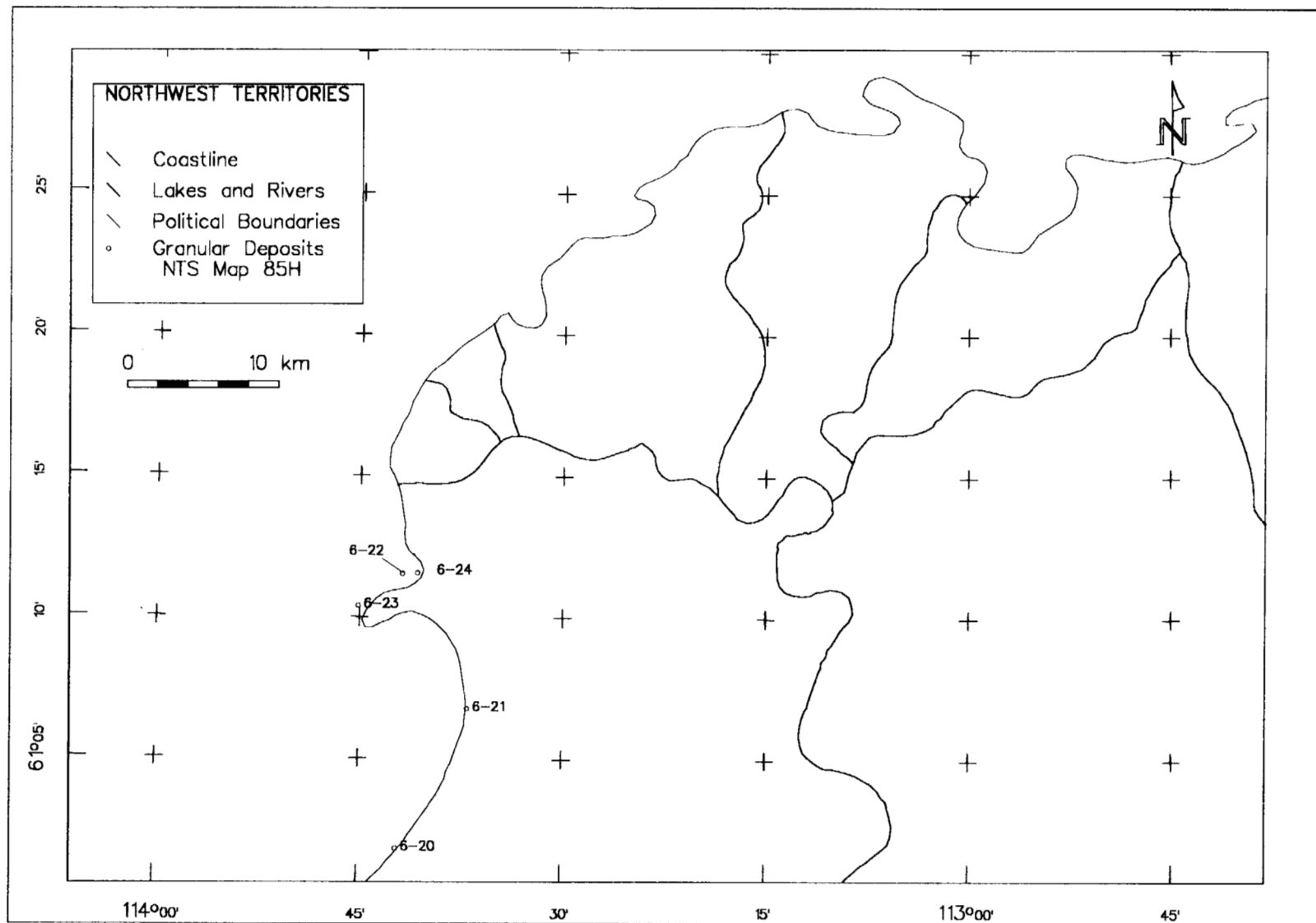
----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) : NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) : RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME : 225000	PROSPECTIVE VOLUME : 225000
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 4 : 225000		
CLASS 5 :		





DEPOSIT SUMMARY

SOURCE NUMBER	DESCRIPTION DATE	NTS REF.	EASTING	NORTHING	GRANULAR TYPE	GENERIC ORIGIN
6-20	03/16/87	85H	354000	6769000	sandy gravel - gravelly sand	glaciofluvial
6-21	03/16/87	85H	359000	6778000	0.5 m	glaciofluvial
6-22	03/16/87	85H	355000	6787000	sandy/bouldery gravel	glaciofluvial
6-23	03/16/87	85H	352000	6785000	sandy gravel - gravelly sand	glaciofluvial
6-24	03/16/87	85H	356000	6787000	fine sand	glaciofluvial

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :6-20		NTS MAP REFERENCE :85H
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

----- Location Details -----

LOCATION :traverses highway 6 @ km 72-75	CENTRE ZONE(UTM) :12
CORRIDOR NAME: :	CENTRE EASTING(UTM) :354000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6769000
OFFSET DISTANCE :0	OFFSET DIRECTION :
ACCESS LENGTH :	KILOMETRE-POST :72-75
SOURCE ACCESS :along highway	

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :active
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :highway maintenance	AREA :
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 :TCL(1983b)	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :lag deposit
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :sandy gravel - gravelly sand	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :0.5 m	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :	

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME :	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :250000	PROBABLE VOLUME :250000	ANNUAL RECOVERABLE :
CLASS 4 :		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A:LOCATION AND STATUS =====

STUDY NUMBER :INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER :
SOURCE NUMBER(S) :6-21		NTS MAP REFERENCE :85H
STUDY ORDER :		MAP DIGITIZER NUMBER :
STUDY REFERENCE :		MAP LOC./PLAN SCALE : 250000
SOURCE REFERENCE :		

----- Location Details -----

LOCATION :adjacent to highway 6 @ km 83-84	CENTRE ZONE(UTM) :12
CORRIDOR NAME :	CENTRE EASTING(UTM) :359000
CORRIDOR NUMBER :	CENTRE NORTHING(UTM) :6778000
OFFSET DISTANCE :0	CENTRE LATITUDE : 0.00000
ACCESS LENGTH :	CENTRE LONGITUDE : 0.00000
SOURCE ACCESS :along highway	OFFSET DIRECTION :
	KILOMETRE-POST :83-84

CONDITION :	DIGITIZER NUMBER :
LAND TENURE :	STATUS :undeveloped
STOCKPILE TYPE :	SITE PLAN SCALE :
PAST USE :	AREA :
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 :TCL(1983b)	LAST INVESTIGATION DATE :1987
GEOPHYSICAL DATA :	TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE :03/16/87	GENERIC ORIGIN :glaciofluvial
SLOPE :		LANDFORM :beach ridge
AREA DRAINAGE :		TOPOGRAPHY :
VEGETATION :		
PERMAFROST FEATURES :		

----- Source Stratigraphy -----

GRANULAR TYPE :0.5 m	OVERBURDEN THICKNESS :
GRANULAR THICKNESS :	OVERBURDEN TYPE :
DEVELOP. POTENTIAL :	UNDERBURDEN TYPE :
DEVELOP. CONSTRAINTS :the deposit is located close to Great Slave Lake	

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50 :
CLASSIFICATION # :		OVERSIZE(%) :
PETRO NO. : 0	MOISTURE(%) :NUMBER :	GRAVEL(%) :
SIEVE ANAL. # : 0	MOISTURE(%) :RESULTS :	SAND(%) :
PETROGR. NO.:RESULTS :		FINES(%) :
OTHER TESTS :		

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME :19000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME :	TOTAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :19000	ANNUAL RECOVERABLE :
CLASS 4 :19000		
CLASS 5 :		

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER	: INAC87HR	LOCAL NAMES :	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 6-22		NTS MAP REFERENCE	: 85H
STUDY ORDER	:		MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:		MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:			

----- Location Details -----

LOCATION	: north end of Fort Resolution airstrip	CENTRE ZONE(UTM)	: 12
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 355000
CORRIDOR NUMBER :		CENTRE NORTHING(UTM)	: 6787000
OFFSET DISTANCE :		CENTRE LATITUDE :	0.00000
ACCESS LENGTH :		CENTRE LONGITUDE :	0.00000
SOURCE ACCESS	: via airport	OFFSET DIRECTION	:
		KILOMETRE-POST	:

CONDITION	:	DIGITIZER NUMBER :	
LAND TENURE	:	STATUS	: active
STOCKPILE TYPE	:	SITE PLAN SCALE :	
PAST USE	: primary class 3 agg. in area	AREA :	
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	: TCL(1983b)	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER :	TESTPITS:NUMBER :	EXPOSURES:NUMBER :	DATA QUALITY :
BOREHOLES:DEPTH :	TESTPITS:DEPTH :	EXPOSURES:DEPTH :	

----- Source Description -----

ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE	: 03/16/87	GENERIC ORIGIN	: glaciofluvial
SLOPE :		LANDFORM	: ridge & lag deposits	
AREA DRAINAGE :		TOPOGRAPHY	:	
VEGETATION :				
PERMAFROST FEATURES :				

----- Source Stratigraphy -----

GRANULAR TYPE	: sandy/bouldery gravel	OVERBURDEN THICKNESS :	
GRANULAR THICKNESS	: 2.0 m	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL :		UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS :			

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS :		D-50	:
CLASSIFICATION # :		OVERSIZE(%)	:
PETRO NO. :	0	GRAVEL(%)	:
SIEVE ANAL. # :	0	SAND(%)	:
PETROGR. NO.:RESULTS :		FINES(%)	:
OTHER TESTS :			

----- Material Quantity -----

CLASS 1 :	TOTAL VOLUME	: 380000	PROSPECTIVE VOLUME :
CLASS 2 :	PROVEN VOLUME	:	TOTAL RECOVERABLE :
CLASS 3 : 380000	PROBABLE VOLUME	: 380000	ANNUAL RECOVERABLE :
CLASS 4 :			
CLASS 5 :			

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

===== PART A: LOCATION AND STATUS =====

STUDY NUMBER	: INAC87HR	LOCAL NAMES	: Mission Island	NEW SOURCE NUMBER	:
SOURCE NUMBER(S)	: 6-23			NTS MAP REFERENCE	: 85H
STUDY ORDER	:			MAP DIGITIZER NUMBER	:
STUDY REFERENCE	:			MAP LOC./PLAN SCALE	: 250000
SOURCE REFERENCE	:				

----- Location Details -----

LOCATION	: 3 km west of Fort Resolution	CENTRE ZONE(UTM)	: 12
CORRIDOR NAME:	:	CENTRE EASTING(UTM)	: 352000
CORRIDOR NUMBER	:	CENTRE NORTHING(UTM)	: 6785000
OFFSET DISTANCE	:	CENTRE LATITUDE	: 0.00000
ACCESS LENGTH	:	CENTRE LONGITUDE	: 0.00000
SOURCE ACCESS	:	OFFSET DIRECTION	:
		KILOMETRE-POST	:

CONDITION	:	DIGITIZER NUMBER	:
LAND TENURE	:	STATUS	: undeveloped
STOCKPILE TYPE	:	SITE PLAN SCALE	:
PAST USE	:	AREA	:
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	: TCL(1983b)	LAST INVESTIGATION DATE	: 1987
GEOPHYSICAL DATA	:	TEST HOLE DENSITY	:

----- Subsurface Data -----

BOREHOLES:NUMBER	:	TESTPITS:NUMBER	:	EXPOSURES:NUMBER	:	DATA QUALITY	:
BOREHOLES:DEPTH	:	TESTPITS:DEPTH	:	EXPOSURES:DEPTH	:		

----- Source Description -----

ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: 03/16/87	GENERIC ORIGIN	: glaciofluvial
SLOPE	:			LANDFORM	: ridge & lag deposits
AREA DRAINAGE	:			TOPOGRAPHY	:
VEGETATION	:				
PERMAFROST FEATURES	:				

----- Source Stratigraphy -----

GRANULAR TYPE	: sandy gravel - gravelly sand	OVERBURDEN THICKNESS	:
GRANULAR THICKNESS	: 0.5 m	OVERBURDEN TYPE	:
DEVELOP. POTENTIAL	:	UNDERBURDEN TYPE	:
DEVELOP. CONSTRAINTS	: Mission Island used as recreational area for Fort Resolution		

===== PART C: TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS	:			D-50	:
CLASSIFICATION #	:			OVERSIZE(%)	:
PETRO NO.	: 0	MOISTURE(%) :NUMBER	:	GRAVEL(%)	:
SIEVE ANAL. #	: 0	MOISTURE(%) :RESULTS	:	SAND(%)	:
PETROGR. NO.:RESULTS	:			FINES(%)	:
OTHER TESTS	:				

----- Material Quantity -----

CLASS 1	:	TOTAL VOLUME	: 1000000	PROSPECTIVE VOLUME	: 1000000
CLASS 2	:	PROVEN VOLUME	:	TOTAL RECOVERABLE	:
CLASS 3	: 500000	PROBABLE VOLUME	:	ANNUAL RECOVERABLE	:
CLASS 4	: 500000				
CLASS 5	:				

GRANULAR RESOURCES DATABASE - DEPOSIT SUMMARY

```

===== PART A:LOCATION AND STATUS =====

STUDY NUMBER      :INAC87HR          LOCAL NAMES :          NEW SOURCE NUMBER :
SOURCE NUMBER(S)  :6-24              NTS MAP REFERENCE :85H
STUDY ORDER      :                   MAP DIGITIZER NUMBER :
STUDY REFERENCE  :                   MAP LOC./PLAN SCALE  : 250000
SOURCE REFERENCE :

----- Location Details -----

LOCATION           :extends eastward from the north end of Fort Resolution  CENTRE ZONE(UTM) :12
CORRIDOR NAME    :airstrip
OBSERVATION NUMBER :
ACCESS LENGTH    :                   CENTRE LATITUDE : 0.00000
SOURCE ACCESS    :via airport          CENTRE LONGITUDE : 0.00000
                                           CENTRE EASTING(UTM) :356000
                                           ONSITE BOREHOLE(UTM) :6787000
                                           KILOMETRE-POST      :

-----

CONDITION        :                   DIGITIZER NUMBER :
LAND TENURE      :                   STATUS :active
STOCKPILE TYPE   :                   SITE PLAN SCALE :
PAST USE         :community nuisance grounds          AREA :
STOCKPILE QUANTITY :                   EXCAVATED VOLUME-FOR HIGHWAY : 0
PERFORMANCE RATING :                   -FOR PIPELINE : 0
                                           PRIORITY FOR FUTURE STUDY :

===== PART B:SOURCE INVESTIGATION AND DESCRIPTION INFORMATION =====
                                           1987
INVESTIGATION LEVEL :TCL(1983b)      LAST INVESTIGATION DATE :
GEOPHYSICAL DATA   :                TEST HOLE DENSITY :

----- Subsurface Data -----

BOREHOLES:NUMBER :                TESTPITS:NUMBER :                EXPOSURES:NUMBER :                DATA QUALITY :
BOREHOLES:DEPTH  :                TESTPITS:DEPTH  :                EXPOSURES:DEPTH  :

----- Source Description -----

ACTIVE LAYER THICKNESS :                SITE DESCRIPTION DATE :03/16/87      GENERIC ORIGIN :glaciofluvial
SLOPE                  :                LANDFORM :beach ridge
AREA DRAINAGE          :                TOPOGRAPHY :
VEGETATION             :
PERMAFROST FEATURES    :

----- Source Stratigraphy -----

GRANULAR TYPE          :fine sand          OVERBURDEN THICKNESS :
GRANULAR THICKNESS     :1.0 m              OVERBURDEN TYPE      :
DEVELOP. POTENTIAL     :                UNDERBURDEN TYPE    :
DEVELOP. CONSTRAINTS   :

===== PART C:TEST RESULTS AND MATERIAL QUALITY =====

----- Test Results -----

UNIFIED SOIL:CLASS    :                D-50 :
CLASSIFICATION #      :                OVERSIZE(%) :
PETRO NO.             : 0              MOISTURE(%) :NUMBER :
SIEVE ANAL. #         : 0              MOISTURE(%) :RESULTS :
PETROGR. NO.:RESULTS  :                SAND(%) :
OTHER TESTS           :                FINES(%) :

----- Material Quantity -----

CLASS 1 :                TOTAL VOLUME :50000          PROSPECTIVE VOLUME :
CLASS 2 :                PROVEN VOLUME :              TOTAL RECOVERABLE :
CLASS 3 :                PROBABLE VOLUME :50000        ANNUAL RECOVERABLE :
CLASS 4 :50000
CLASS 5 :
  
```