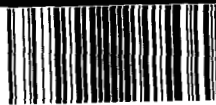


YUKON
TERRITORY

DEMPSTER
HIGHWAY
Granular
Sources

Autumn
1993



D007734

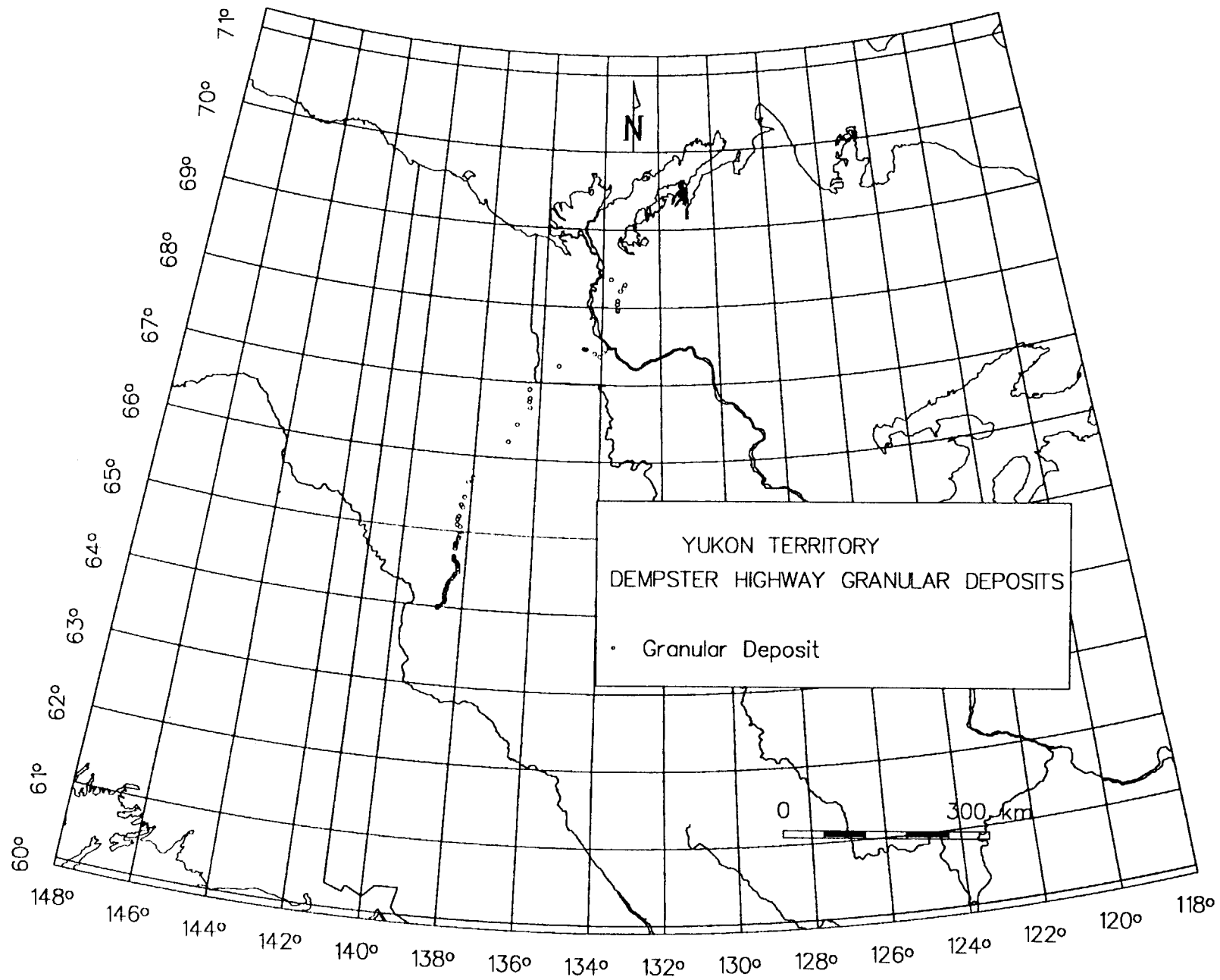
**YUKON
TERRITORY
DEMPSTER
HIGHWAY
Granular Deposits**

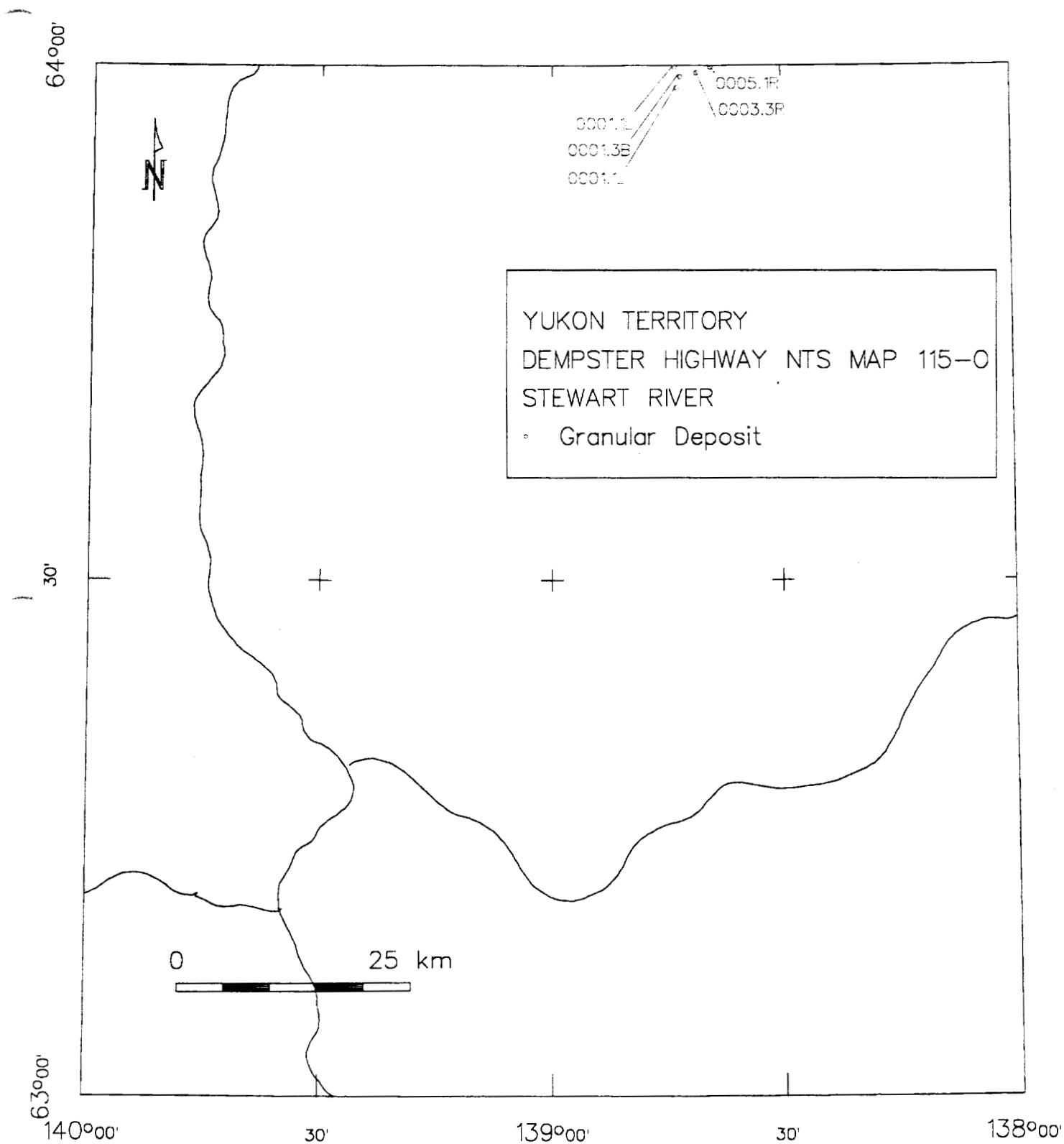
Created By: Hal Leadlay

Technical Advisor: Steve Rozak

Autumn 1993

**Land Management Division
Indian and Northern Affairs Canada**





65°00'



YUKON TERRITORY
DEMPSTER HIGHWAY NTS MAP 116B
DAWSON

• Granular Deposit

30'



• 0136.0L
• 0131.2F
• 0127.0F
• 0122.8F
0117.0R
0114.7B
• 0112.7L
• 0105.6B
• 0094.8R
• 0090.7B
0089.5B
• 0090.2L
0086.0B
• 0084.0F
• 0081.0F
0079.2R
• 0077.3F
• 0071.4L
0066.6B
• 0066.6F
• 0062.4L
• 0058.6B
• 0055.5L
• 0053.4F
• 0049.9B
• 0047.2B
• 0044.0L
• 0040.5L
0039.9B
0033.2B
• 0035.6L
• 0032.4L
• 0028.4R
• 0026.7R
0022.4L
• 0024.3L
0021.7L
• 0019.4B
• 0017.7L
• 0014.6L
• 0012.5F
• 0011.4B
• 0006.7B
0009.2L
• 0010.5L
0007.8F
• 0007.2L
• 0006.6L

0 25 km

64°00'

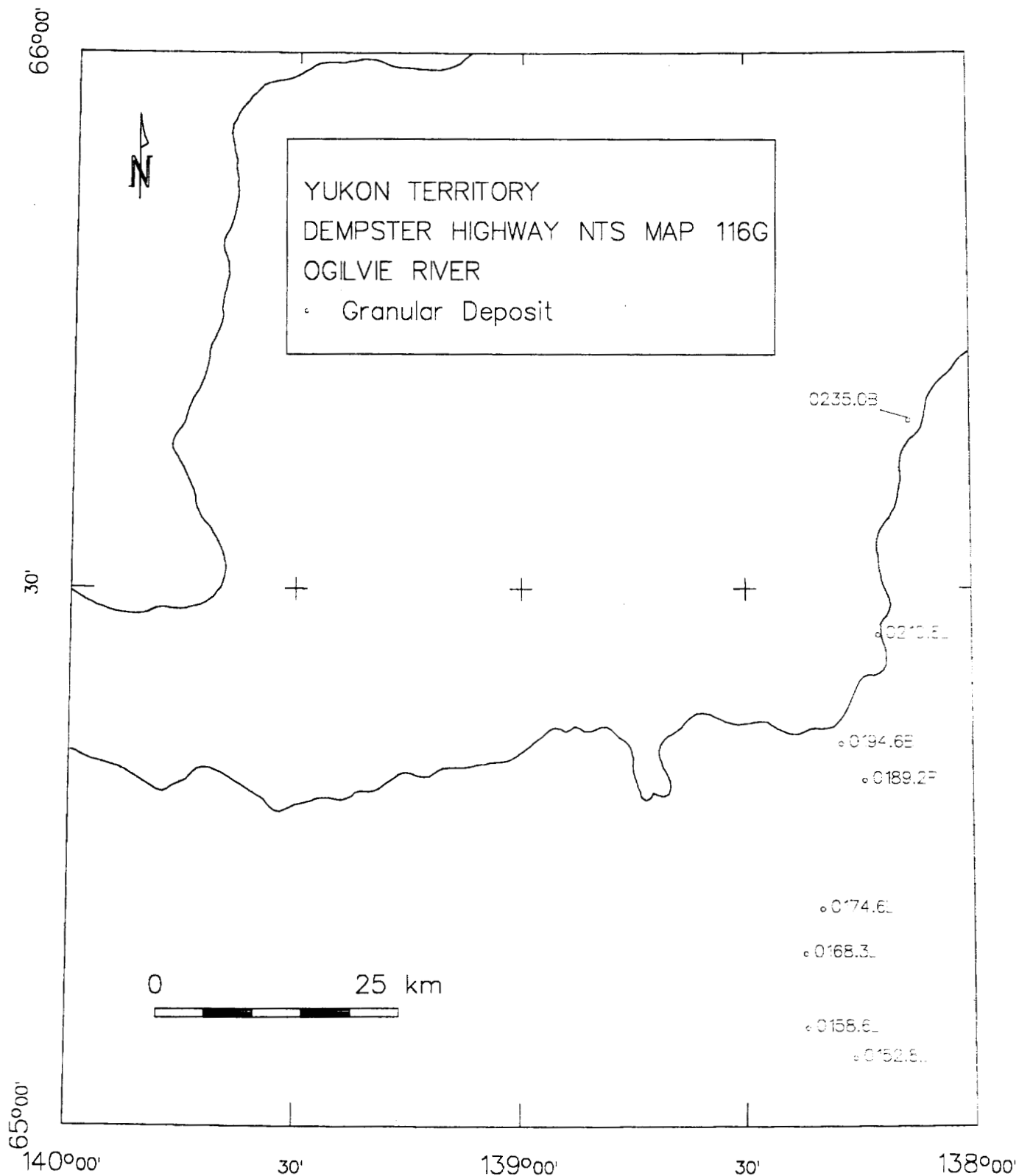
140°00'

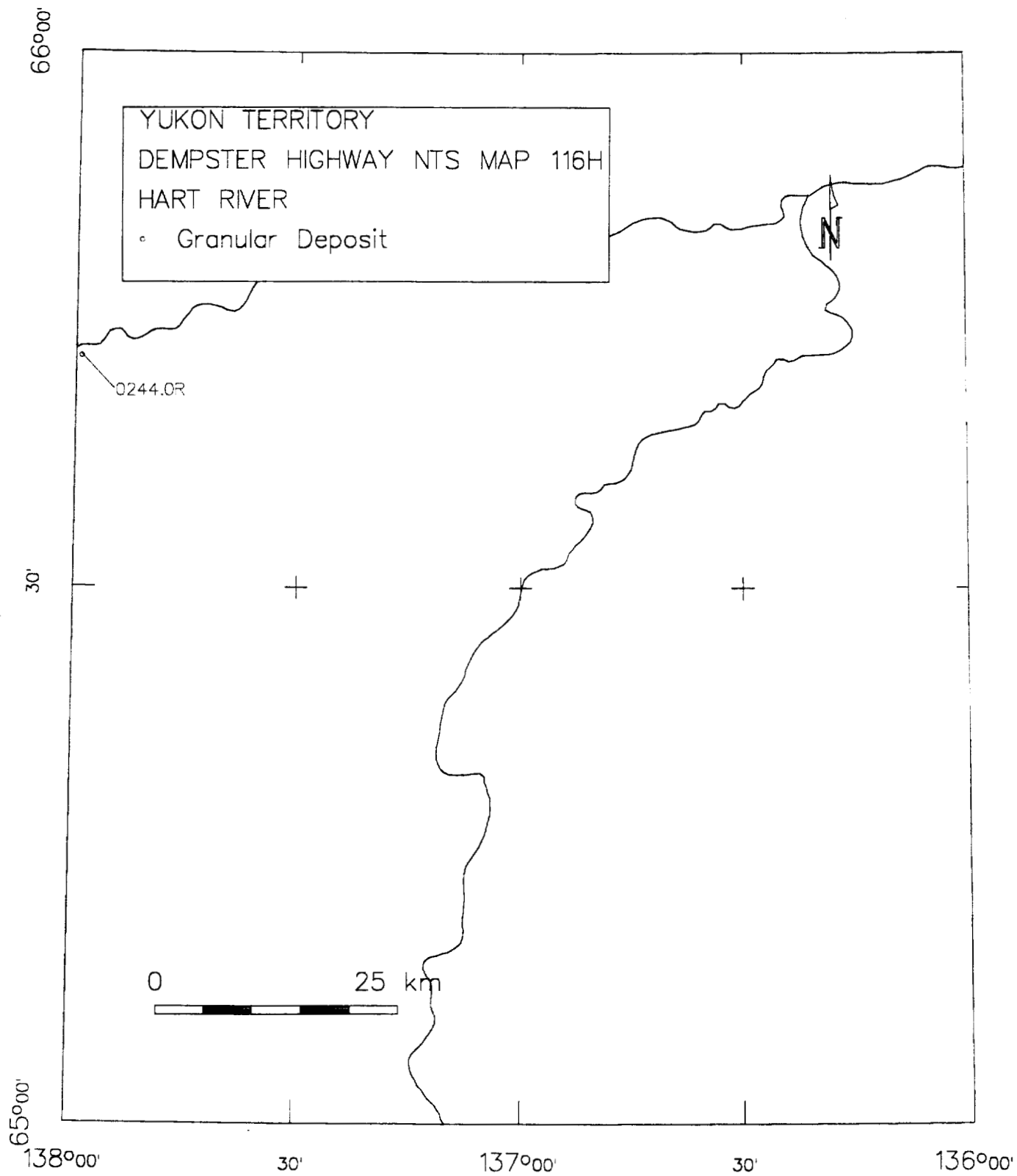
30'

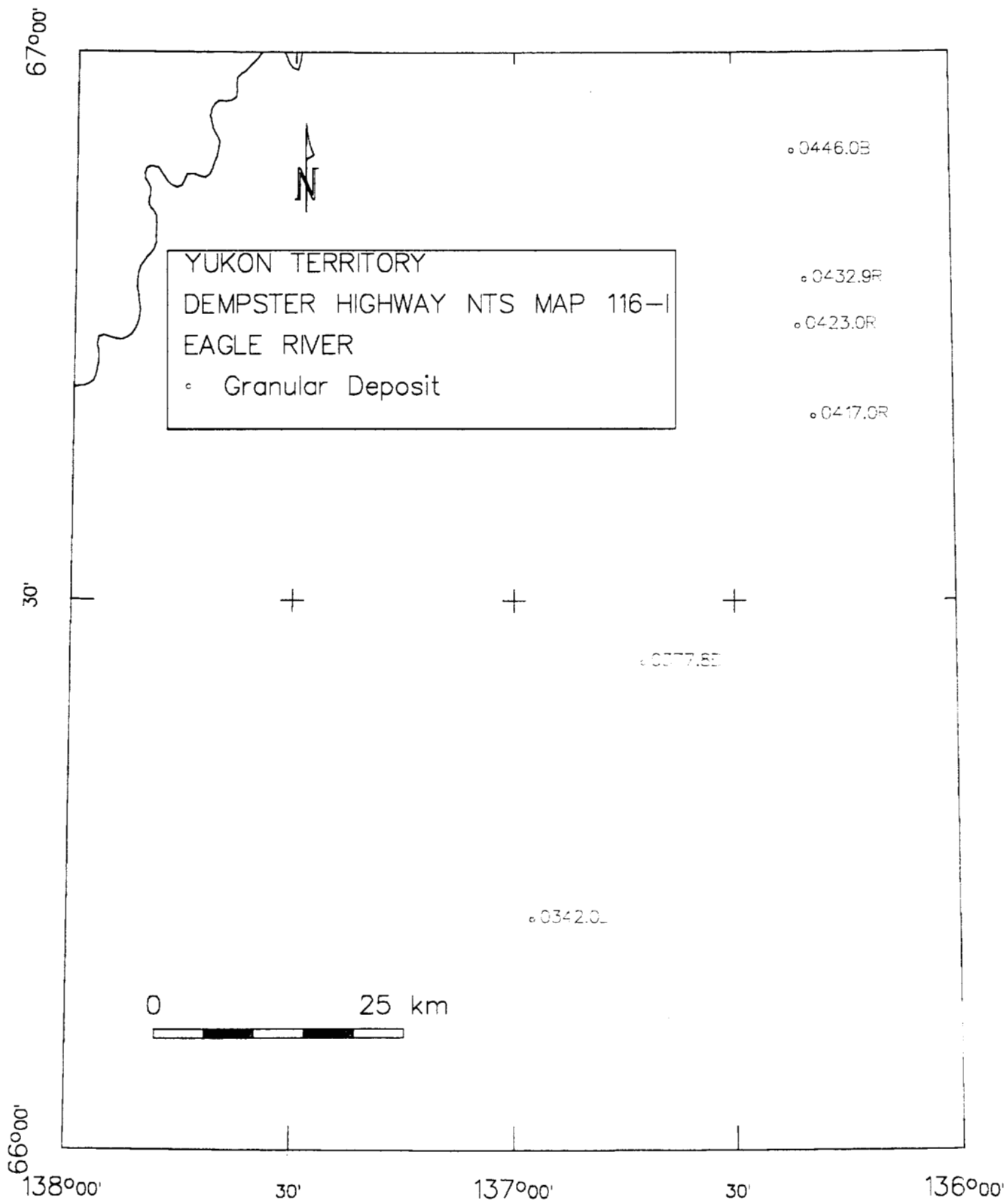
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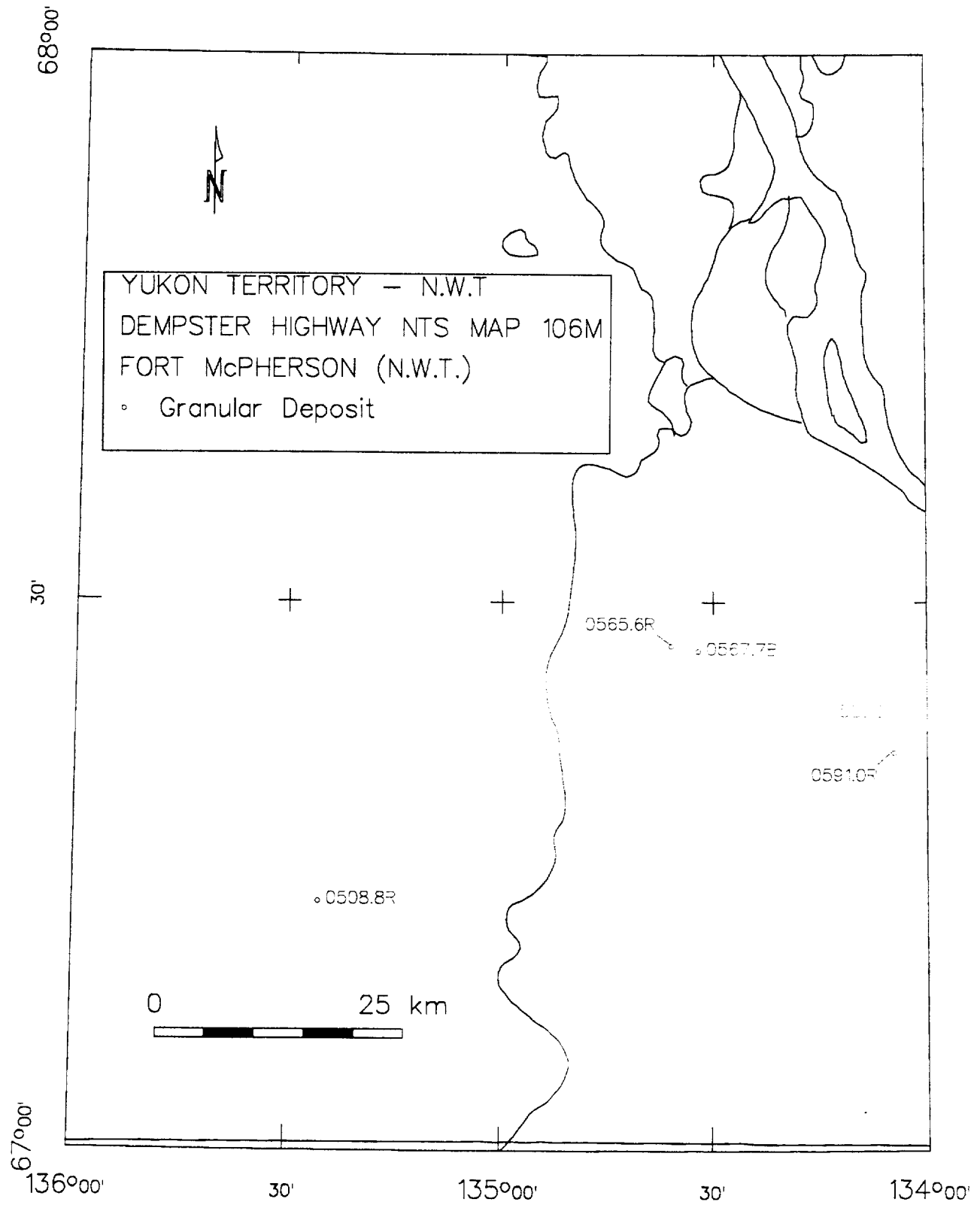
30'

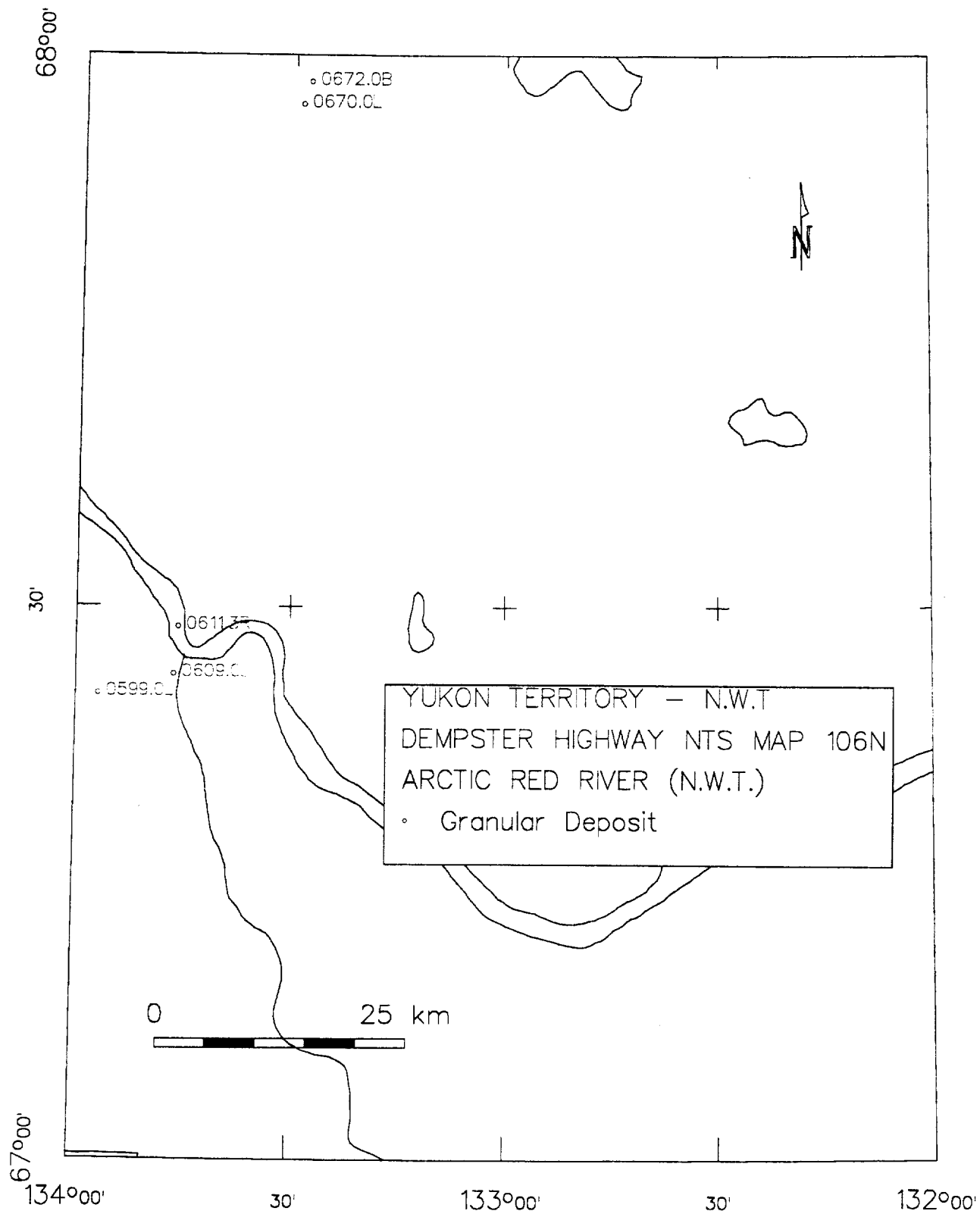
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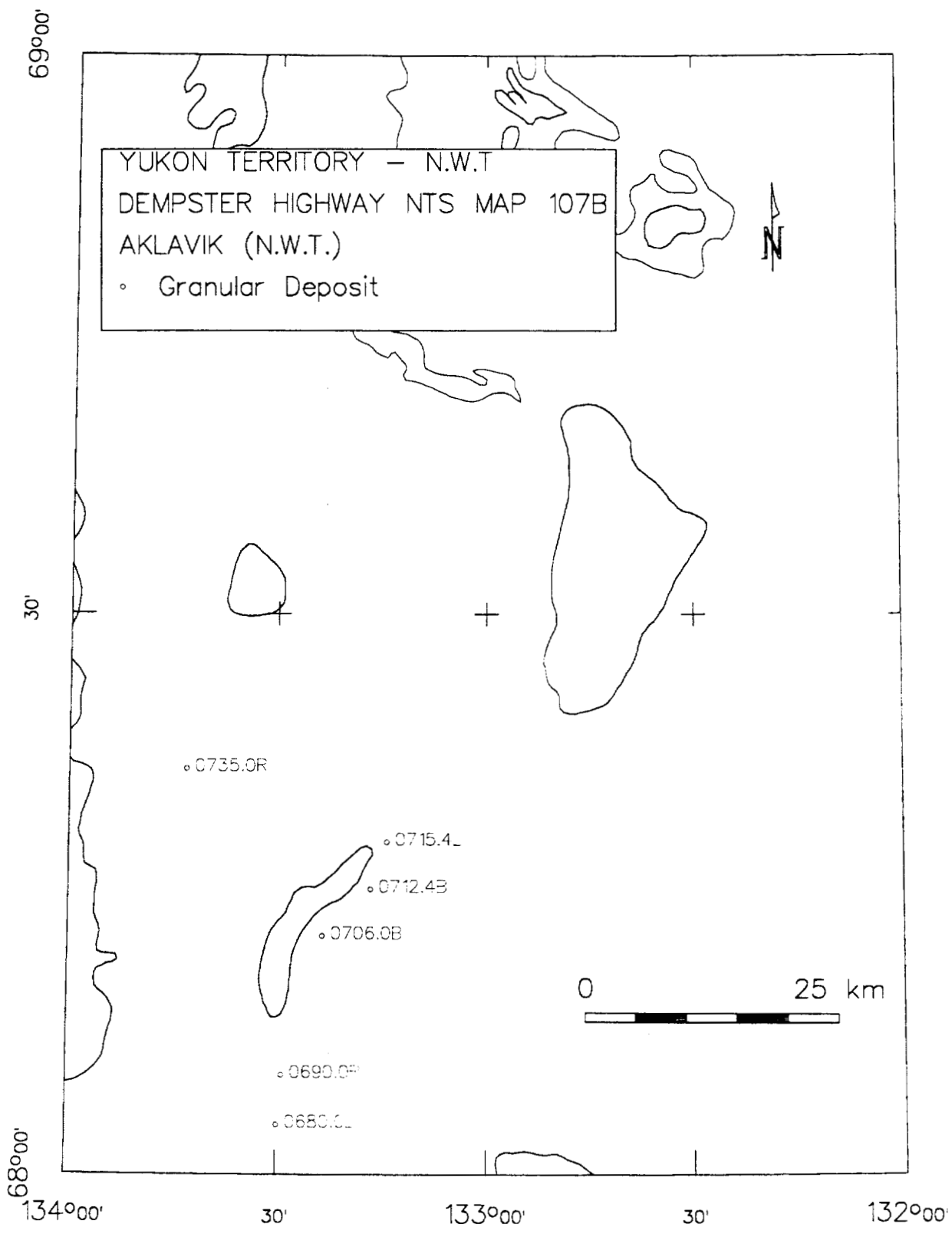












SOURCE NUMBER: 0001.1L

NTS MAP REFERENCE : 1050/15

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-060
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:1000	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 10	

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

LOCATION : 1.2 km up North Fork Rd.
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 1.1
OFFSET - DIRECTION : L
- DISTANCE : 1200

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 610950
NORTHING : 7098650
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 1200
CONDITION : Good
SOURCE ACCESS : Haul Road

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Undeveloped	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Excellent	PERFORMANCE RATING :
- CONSTRAINTS : Klondike River	

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

INVESTIGATION LEVEL : Delineation Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1983
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good	TESTPITS - NUMBER : 9	TEST HOLE DENSITY : 1.8
BOREHOLES - NUMBER : 9	- DEPTH : 1.9-2.5-3	EXPOSURES - NUMBER : 1
- DEPTH : 1.7-2.9-5.7		- DEPTH : 0.1-0.5

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

GENERIC ORIGIN : Alluvial	LANDFORM : Raised Terrace	TOPOGRAPHY : Gravel Terrace
AREA DRAINAGE : Well Drained		SLOPE : Flat But Irregular
VEGETATION : 100 mm Diameter Aspen to 10 m in Height, Few 5.0 m High Spruce-Typ. Perm.		
PERMAFROST FEATURES : Poorly Bonded, Few Pockets of Ice Bonded Gravel		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND-well graded	OVERBURDEN - TYPE : ORGANICS OVER SILT
- THICKNESS : 1.4-2.3-5.3	- THICKNESS : 0.5
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	11	GW/GW/GW
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	12	GRAVEL(%) : 54-62-73 SAND(%) : 33-34-41 FINES(%) : 1-4-6 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : L.A. Abrasion - Grading B - % wear 16%		

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

CLASS 1 : 100,000	PROVEN VOLUME :	TOTAL RECOVERABLE : 300,000
CLASS 2 : 100,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE : n/a
CLASS 3 : 100,000	PROSPECTIVE VOLUME :	
CLASS 4 : n/a		TOTAL VOLUME : 300,000
CLASS 5 : n/a		

SOURCE NUMBER: 0001.1L

NTS MAP REFERENCE : 1050/15

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : n/a
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.0	

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

LOCATION : At North Fork Road
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 1.1
OFFSET - DIRECTION : L
- DISTANCE : 35

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 611250
NORTHING : 7096400
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 30
CONDITION : Excellent
SOURCE ACCESS : Cleared to Highway

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : 20 mm CRUSHED GRAVEL
STATUS : 2/3 Depleted	STOCKPILE QUANTITY : 150 m3
PAST USE : Crush Pit	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :Good
- CONSTRAINTS : Possibly Permafrost, Close to Highway	

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

INVESTIGATION LEVEL : Field Reconnaissance
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1989
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor	TESTPITS - NUMBER : 0	TEST HOLE DENSITY : n/a
BOREHOLES - NUMBER : 0	- DEPTH : n/a	EXPOSURES - NUMBER : 2
		- DEPTH : 4.0-UN-UN

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

GENERIC ORIGIN : Alluvial	LANDFORM : Gravel Terrace	TOPOGRAPHY : Gravel Terrace
AREA DRAINAGE : Fair		SLOPE : Gentle to the south
VEGETATION : Aspen and Spruce		
PERMAFROST FEATURES : Black Spruce Surrounding Area		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND	OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : Min. of 3 m	- THICKNESS : 0.5-0.7-1.0
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0 FINES(%) : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : None			

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

CLASS 1 : 5,000	PROVEN VOLUME :	TOTAL RECOVERABLE : 10,000
CLASS 2 : 5,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : n/a	PROSPECTIVE VOLUME :	
CLASS 4 : n/a		
CLASS 5 : n/a		

TOTAL VOLUME : 10,000

SOURCE NUMBER: 0001.38

NTS MAP REFERENCE : 1150/15

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 16	

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

LOCATION : 1.3 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 1.3
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :

SOURCE ACCESS : Pit Entrance off Right and Left Side of Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 611600
NORTHING : 7097600
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : Crushed Gravel
STATUS : 2/3 Developed	STOCKPILE QUANTITY : 200 m ³
PAST USE : Borrow & Crushed Gravel	EXCAVATED VOLUME - FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :
- CONSTRAINTS : Water at 1.4 m along W perimeter of existing Pit	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe	LAST INVESTIGATION DATE : 1978
GEOPHYSICAL DATA : None	PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good	TEST PIT HOLE DENSITY : 0.8
BOREHOLES - NUMBER : 0	EXPOSURES - NUMBER : 0
- DEPTH : n/a	- DEPTH : 1.5-3.4-4.0
	- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Raised Terrace	TOPOGRAPHY : Gravel Terrace
AREA DRAINAGE : Poorly Drained - Permafrost		SLOPE : 10% to the South
VEGETATION : 8 m Spruce		
PERMAFROST FEATURES : Spruce Trees - Perched Water		
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 07/15/89	

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

GRANULAR - TYPE : GRAVEL-poorly graded	OVERBURDEN - TYPE : ORGANICS over SILT
- THICKNESS : 0.9-3.1-4.0	- THICKNESS : 0.0-0.3-0.6
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	15	GP/GM/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	15	GRAVEL(%) : 62-74-81 SAND(%) : 16-23-32 FINES(%) : 1-3-6 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER	n/a	
OTHER TESTS : Trial Crush - No:6 G:57-63-67 S:31-34-37 F:2-4-7		

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

CLASS 1 :		TOTAL RECOVERABLE : 50,000
CLASS 2 : 50,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME : 50,000
CLASS 5 :		

SOURCE NUMBER: 0003.3R

NTS MAP REFERENCE : 1150/15

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 2.5	

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

LOCATION : 3.3 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 3.4
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION : Good
SOURCE ACCESS : Entrance off Highway into Existing Pit

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 613350
NORTHING : 7098070
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : None
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair to poor
- CONSTRAINTS : Terrace narrow on Right side of Highway

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 4
- DEPTH : 3.0-3.5-3.7

TEST HOLE DENSITY : 1.6
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Gravel Terrace
AREA DRAINAGE : Poor (Permafrost)??
VEGETATION : Spruce
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Raised Terrace

TOPOGRAPHY : Flat
SLOPE : Flat - 200 mm to S of Hwy

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL(GP)-sandy
- THICKNESS : 3.0-3.4-3.7

OVERBURDEN - TYPE : SILT AND GRAVEL
- THICKNESS : 0.0-UN-0.6
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	4	GP/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 73-UN-91 SAND(%) : 8-UN-25 FINES(%) : 1-UN-3 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 : 45,000
CLASS 3 : 30,000
CLASS 4 : 15,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 90,000
ANNUAL RECOVERABLE :

TOTAL VOLUME	: 90,000
--------------	----------

SOURCE NUMBER: 0005.1R

NTS MAP REFERENCE : 1150/5

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 0.5	

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

LOCATION : 5.1 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 5.1
OFFSET - DIRECTION : R
- DISTANCE : 60

SITE ACCESS

ACCESS LENGTH : 60
CONDITION : n/a
SOURCE ACCESS : Existing Pit Entrance

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 614850
NORTHING : 7098750
LATITUDE :
LONGITUDE :

----- Status/Usage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : None
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Poor	PERFORMANCE RATING :
- CONSTRAINTS : Permafrost to south of pit	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 2	TEST HOLE DENSITY : 4
BOREHOLES - NUMBER : 0	- DEPTH : 3.7-3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Raised Terrace	TOPOGRAPHY : Irregular
AREA DRAINAGE : Well Drained at Pit		SLOPE :
VEGETATION : Poplars with Dwarf Black Spruce to South		
PERMAFROST FEATURES : Dwarf Black Spruce and Moss Ground Cover		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-some sand-poorly graded	OVERBURDEN - TYPE : SILT
- THICKNESS : 3.4-3.6-3.7	- THICKNESS : 0.7-2.0
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GP/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 81-86 D-50 : 0	SAND(%) : 13-17 FINES(%) : 1-2 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :		TOTAL RECOVERABLE : 20,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 20,000	PROBABLE VOLUME :	
CLASS 4 :	PROSPECTIVE VOLUME :	
CLASS 5 :		TOTAL VOLUME : 20,000

SOURCE NUMBER: 0006.6L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 3	

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

LOCATION : 300 m past North Ford Road Jct
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 6.6
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : Existing Pit Access Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 615800
NORTHING : 7099900
LATITUDE :
LONGITUDE :

----- Status/Usage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : None
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Close to Highway & Permafrost on Right Side

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 5
- DEPTH : 3.0-3.3-3.7

TEST HOLE DENSITY : 1.7
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Well Drained in Pit Area
VEGETATION : Poplars; Spruce to North
PERMAFROST FEATURES : Perched Water
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Terrace

TOPOGRAPHY : Irregular
SLOPE : Gently to the Southwest

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 2.4-3.0-3.7

OVERBURDEN - TYPE : SILT-gravelly
- THICKNESS : 0.0-0.4-0.9
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	5	GP/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	5	GRAVEL(%) : 70-UN-81 SAND(%) : 18-UN-26 FINES(%) : 1-UN-4 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 : 75,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 105,000
ANNUAL RECOVERABLE :

TOTAL VOLUME	: 105,000
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SOURCE NUMBER: 0006.78

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 4.5	

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

LOCATION : 6.7 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 6.9
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway at km 6.6 and 6.9

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 616220
NORTHING : 7099950
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : 0
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Fair	PERFORMANCE RATING :
- CONSTRAINTS : Close to Highway, Permafrost	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 4	TEST HOLE DENSITY :
BOREHOLES - NUMBER : 0	- DEPTH : 3.7-3.7-3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Raised Terrace	TOPOGRAPHY : Irregular
AREA DRAINAGE : Good at Pit, Poor to the South		SLOPE : Gently Sloping South
VEGETATION : Poplars Around Pit & Black Spruce Beyond		
PERMAFROST FEATURES : Black Spruce		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-well graded	OVERBURDEN - TYPE : ORGANIC SILT AND SILTY GRAVEL
- THICKNESS : 2.8-3.5-3.7	- THICKNESS : 0.0-UN-0.9
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	4	GP/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 73-UN-79 SAND(%) : 19-UN-25 FINES(%) : 2-2-2 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 : 66,000	PROVEN VOLUME :	TOTAL RECOVERABLE : 166,000
CLASS 2 : 100,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 :	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		

TOTAL VOLUME : 166,000

SOURCE NUMBER: 0007.2L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.0	

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

LOCATION : 7.2 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 7.2
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Access for Existing Pit Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 616390
NORTHING : 7100350
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Poor	PERFORMANCE RATING :
- CONSTRAINTS : Close to Highway, Permafrost	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 2	TEST HOLE DENSITY : 2.0
BOREHOLES - NUMBER : 0	- DEPTH : 3.0-3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM :	TOPOGRAPHY : Irregular
AREA DRAINAGE : Poor Around Pit		SLOPE : 10% to South
VEGETATION : Poplars Around Pit & Black Spruce Beyond		
PERMAFROST FEATURES : Black Spruce and Moss		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded	OVERBURDEN - TYPE : SILT
- THICKNESS : 2.1-2.9-3.7	- THICKNESS : 0.0-UN-0.9
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 80 D-50 : 0	SAND(%) : 18 FINES(%) : 2 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :		TOTAL RECOVERABLE : 35,000
CLASS 2 : 35,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 :	PROBABLE VOLUME :	
CLASS 4 :	PROSPECTIVE VOLUME :	
CLASS 5 :		

TOTAL VOLUME : 35,000

SOURCE NUMBER: 0007.8R

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.5	

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

LOCATION : 7.8 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 7.8
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0

CONDITION :

SOURCE ACCESS : Existing Pit Access Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 617000
NORTHING : 7100310
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Poor	PERFORMANCE RATING :
- CONSTRAINTS : Permafrost-close to Highway	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor	TESTPITS - NUMBER : 1	TEST HOLE DENSITY : 0.7
BOREHOLES - NUMBER : 0	- DEPTH : 3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM :	TOPOGRAPHY : Irregular
AREA DRAINAGE : Poor Outside Pit		SLOPE : Gently to the South
VEGETATION : Poplars Around Pit & Black Spruce Beyond (moss cover)		
PERMAFROST FEATURES : Black Spruce and Moss		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded	OVERBURDEN - TYPE : SILT
- THICKNESS : 3.7-UN-UN	- THICKNESS : 0.2-UN-UN
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 70 D-50 : 0	SAND(%) : 28 FINES(%) : 2 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :		TOTAL RECOVERABLE : 55,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 55,000	PROBABLE VOLUME :	
CLASS 4 :	PROSPECTIVE VOLUME :	
CLASS 5 :		

TOTAL VOLUME : 55,000

SOURCE NUMBER: 0009.2L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.5	

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

LOCATION : 6 Mile Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 9.2
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 617780
NORTHING : 7101250
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :Good

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Close to Highway

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 3.7

TEST HOLE DENSITY : 0.7
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Well Drained in Pit Area
VEGETATION : Poplars
PERMAFROST FEATURES : None
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Terrace

TOPOGRAPHY : Irregular
SLOPE : Gentle to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 3.7-UN-UN

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.7-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 82 D-50 : 0	SAND(%) : 16 FINES(%) : 2 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 55,500
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 55,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 55,000

SOURCE NUMBER: 0010.9L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.0	

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

LOCATION : 10.9 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 10.9
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 618560
NORTHING : 7102390
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE :	EXCAVATED VOLUME - FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :
- CONSTRAINTS : Close to Highway	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 1	TEST HOLE DENSITY : 1
BOREHOLES - NUMBER : 0	- DEPTH : 3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Gravel Terrace	TOPOGRAPHY : Irregular
AREA DRAINAGE : Well Drained in Pit		SLOPE : Flat
VEGETATION : Poplars		
PERMAFROST FEATURES : None		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-well graded	OVERBURDEN - TYPE : SILT
- THICKNESS : 3.7-UN-UN	- THICKNESS : 0.3-UN-UN
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GM/GW-GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 59-65	SAND(%) : 23-26 FINES(%) : 9-18
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 35,000
CLASS 2 : 15,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 20,000	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		

TOTAL VOLUME : 35,000

SOURCE NUMBER: 0011.4B

NTS MAP REFERENCE : 1168/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 2.5	

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

LOCATION : 11.4 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 11.4
OFFSET - DIRECTION : B
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 618480
NORTHING : 7102900
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Poor to Fair	PERFORMANCE RATING :
- CONSTRAINTS : Permafrost and Close Proximity to Highway	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 3.0

TEST HOLE DENSITY : 0.4
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM :	TOPOGRAPHY : Irregular
AREA DRAINAGE : Good in Pit, Poor Outside		SLOPE : Flat
VEGETATION : Dwarf Black Spruce		
PERMAFROST FEATURES : Black Spruce		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 2.1-UN-UN

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.9-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 70 D-50 : 0	SAND(%) : 27 FINES(%) : 3 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 32,000
CLASS 3 : 20,500
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 52,500
ANNUAL RECOVERABLE :

TOTAL VOLUME : 52,500

SOURCE NUMBER: 0012.5R

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.5	

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

LOCATION : 12.5 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 12.5
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 200
CONDITION : Fair
SOURCE ACCESS : Along Old Highway Alignment

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 619010
NORTHING : 7103850
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :Good to Fair
- CONSTRAINTS : Large Boulders	

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

INVESTIGATION LEVEL : Expl./Delin. c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 4
- DEPTH : 3.3-UN-3.7

TEST HOLE DENSITY : 2.7
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Gravel Terrace	TOPOGRAPHY : Irregular
AREA DRAINAGE : Well Drained		SLOPE : Gentle to the South
VEGETATION : Poplars		
PERMAFROST FEATURES : None at Pit		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 1.0-1.9-3.2

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.0-UN-1.5
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	4	GP-GM/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 67-UN-78 SAND(%) : 20-UN-26 FINES(%) : 2-UN-7 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : TRIAL CRUSH - No:4 G:64-66-68 S:28-27-30 F:4-7-11		

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

CLASS 1 :
CLASS 2 : 15,000
CLASS 3 : 10,000
CLASS 4 :
CLASS 5 : 5,000

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 30,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 30,000

SOURCE NUMBER: 0014.6L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES : Old 9-10 Mile Gravel Pit
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:NTS
PLAN DIG. NUMBER :
AREA : 4

STUDY NUMBER :
ALTER. STUDY NUMBER : n/a
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : 14.6 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 14.6
OFFSET - DIRECTION : L
- DISTANCE : 50

SITE ACCESS

ACCESS LENGTH : 50
CONDITION : Good
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 620200
NORTHING : 7106000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Surfacing Gravel

STOCKPILE TYPE : Surfacing Gravel (20 mm)
STOCKPILE QUANTITY : 23,300(83)Dep89
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Heavy Silt Overburden
PERFORMANCE RATING :Good

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

INVESTIGATION LEVEL : Field Reconnaissance
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1989
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor to Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : n/a
EXPOSURES - NUMBER : 1
- DEPTH : 4.0-UN-UN

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good in Pit Area
VEGETATION : Large Spruce Around Pit
PERMAFROST FEATURES : Spruce in Fine Grained Soils
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Terrace
TOPOGRAPHY : Irregular
SLOPE : Moderate to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-silty on top
- THICKNESS : 2.0-2.5-3.0

OVERBURDEN - TYPE : SILT-clayey
- THICKNESS : 0.7-1.3-2.0
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)		
UNIFIED SOIL CLASSIFICATION	0	GM/GP			
MOISTURE CONTENT	0	n/a			
PARTICLE SIZE ANALYSIS	21	GRAVEL(%) : 46 D-50 : 0	SAND(%) : 42	FINES(%) : 12	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a			
OTHER TESTS : n/a					

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

CLASS 1 :
CLASS 2 : 7,000
CLASS 3 : 7,000
CLASS 4 : 1,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 15,000
ANNUAL RECOVERABLE :
TOTAL VOLUME : 15,000

SOURCE NUMBER: 0017.7L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES	: None	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 0.5		

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

LOCATION : 17.7 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 17.7
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 621000
NORTHING : 7109050
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access Along Highway

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Poor	PERFORMANCE RATING	:
- CONSTRAINTS	: Slope, Overburden Thickness		

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None
LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY	: Poor	TEST HOLE DENSITY	: 4
BOREHOLES - NUMBER	: 0	EXPOSURES - NUMBER	: 0
- DEPTH	: n/a	- DEPTH	: n/a
TESTPITS - NUMBER	: 2		
- DEPTH	: 1.2-3.7		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Gravel Terrace	TOPOGRAPHY	: Irregular
AREA DRAINAGE	: Good in Pit			SLOPE	: Moderate to the East
VEGETATION	: Poplars				
PERMAFROST FEATURES	: None in Pit Area				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL-silty at surface	OVERBURDEN - TYPE	: SILT
- THICKNESS	: 1.2-2.2-3.1	- THICKNESS	: 1.2-UN-UN
		UNDERBURDEN - TYPE	: SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 79 D-50 : 0	SAND(%) : 18 FINES(%) : 3 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	TRIAL CRUSH - No:1 G:69 S:27 F:4		

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

CLASS 1 :		TOTAL RECOVERABLE	: 15,000
CLASS 2 : 10,000	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 5,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :		
CLASS 5 :		TOTAL VOLUME	: 15,000

SOURCE NUMBER: 0019.4B

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES : None
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:n/a
PLAN DIG. NUMBER :
AREA : 1.2

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-034
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : 19.4 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 19.4
OFFSET - DIRECTION : B
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 621060
NORTHING : 7110490
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

DEVELOPMENT - POTENTIAL : Good-R Old Alig
- CONSTRAINTS : On Slope and Close to Highway

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 3.7

TEST HOLE DENSITY : 0.8
EXPOSURES - NUMBER : 1
- DEPTH : 1.5

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Poplars-Isolated Black Spruce
PERMAFROST FEATURES : Stands of Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Terrace
TOPOGRAPHY : Irregular
SLOPE : Moderate to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-silty on top
- THICKNESS : 3.3-UN-UN

OVERBURDEN - TYPE : SAND-silty, gravelly
- THICKNESS : 0.0-UN-1.0
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP-GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 67 D-50 : 0	SAND(%) : 26 FINES(%) : 7 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 20,000
CLASS 3 : 20,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 40,000
ANNUAL RECOVERABLE :
TOTAL VOLUME : 40,000

SOURCE NUMBER: 0021.7L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES	: None	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-034
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 1.0		

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

LOCATION : 21.7 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 21.7
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : Existing Pit Access on Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 619500
NORTHING : 7112350
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS :

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Production Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 2
- DEPTH : 3.0-3.7

TEST HOLE DENSITY : 2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Poplars
PERMAFROST FEATURES : Isolated Stands of Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Alluvial Fan

TOPOGRAPHY : Irregular
SLOPE :

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-silty
- THICKNESS : 3.0-UN-3.7

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.5-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GM/GP-GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 50-68 D-50 : 0	SAND(%) : 21-26 FINES(%) : 11-24 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 : 7,000
CLASS 3 : 30,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 37,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 37,000

SOURCE NUMBER: 0022.4L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES : None
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:n/a
PLAN DIG. NUMBER :
AREA : 4.5

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-034
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : 22.4 km North of Klondike Highway Int
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 22.4
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : No Pit Access

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 619320
NORTHING : 7112860
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Bedrock Underburden

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 2
- DEPTH : 3.2-3.7

TEST HOLE DENSITY : 0.4
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poorly Drained
VEGETATION : Poplars
PERMAFROST FEATURES : None
ACTIVE LAYER THICKNESS :

LANDFORM : Alluvial Fan
TOPOGRAPHY : Rugged
SLOPE : Fairly Steep to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-silty
- THICKNESS : 3.2-3.4

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.3-UN-UN
UNDERBURDEN - TYPE : FRACTURED BEDROCK

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 44-62 D-50 : 0	SAND(%) : 23-28 FINES(%) : 15-29 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 100,000
CLASS 4 : 44,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 144,000
ANNUAL RECOVERABLE :
TOTAL VOLUME : 144,000

SOURCE NUMBER: 0024.3L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES	: Glacier Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: n/a
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:5000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 5		

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

LOCATION : Glacier Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 24.3
OFFSET - DIRECTION : L
- DISTANCE :

----- CO-ORDINATES OF DEPOSIT CENTRE -----

UTM ZONE : 7
EASTING : 619175
NORTHING : 7114000
LATITUDE :
LONGITUDE :

----- SITE ACCESS -----

ACCESS LENGTH : 100
CONDITION : Good
SOURCE ACCESS : Short Haul Road

----- Status/Usage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Good	PERFORMANCE RATING	:
- CONSTRAINTS	: Permafrost		

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

INVESTIGATION LEVEL	: Reconnaissance	LAST INVESTIGATION DATE	: 1989
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Poor	TEST HOLE DENSITY	: n/a
BOREHOLES - NUMBER	: 0	EXPOSURES - NUMBER	: 1
- DEPTH	: n/a	- DEPTH	: 4.5
TESTPITS - NUMBER	: 0		
- DEPTH	: n/a		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Alluvial Fan	TOPOGRAPHY	: Irregular
AREA DRAINAGE	: Good in Pit Area			SLOPE	: Gentle to the Northeast
VEGETATION	: Black Spruce Around Pit				
PERMAFROST FEATURES	: Black Spruce				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL-poorly graded	OVERBURDEN - TYPE	: SILT
- THICKNESS	: 3.0-UN-UN	- THICKNESS	: 0.3-UN-UN
		UNDERBURDEN - TYPE	:

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0 FINES(%) : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :		TOTAL RECOVERABLE	: 15,000
CLASS 2 : 10,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 : 5,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :		
CLASS 5 :		TOTAL VOLUME	: 15,000

SOURCE NUMBER: 0026.7R

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES	: None	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 20		

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

LOCATION : 2.4 km North of Glacier Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 26.7
OFFSET - DIRECTION : R
- DISTANCE : 100

SITE ACCESS

ACCESS LENGTH : 100
CONDITION :
SOURCE ACCESS : Good

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 619340
NORTHING : 7117180
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE :

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Possible Permafrost

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 4
- DEPTH : 2.7-3.0-3.7

TEST HOLE DENSITY : 2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Poplars at pit, Black Spruce Around
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Alluvial Fan

TOPOGRAPHY : Irregular
SLOPE : Gentle to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 2.4-2.9-3.7

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.6-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	3	GP/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	3	GRAVEL(%) : 68-UN-79 SAND(%) : 19-UN-29 FINES(%) : 2-UN-3 D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : TRIAL CRUSH	No:3 G:58-59-60 S:36-37-37 F:4-5-5		

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

CLASS 1 : 10,000
CLASS 2 : 40,000
CLASS 3 : 10,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 60,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 60,000

SOURCE NUMBER: 0028.4R

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES	: Benson Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-005;DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:5000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : Benson Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 28.4
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 619100
NORTHING : 7119070
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME	- FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Good	PERFORMANCE RATING	:
- CONSTRAINTS	: Possibly Ground Water at Depth		

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None
LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY	: Good	TEST HOLE DENSITY	: 0.8
BOREHOLES - NUMBER	: 0	EXPOSURES - NUMBER	: 0
- DEPTH	: n/a	- DEPTH	: n/a
TESTPITS - NUMBER	: 8		
- DEPTH	: 1.5-UN-3.7		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Alluvial Fan	TOPOGRAPHY	: Irregular
AREA DRAINAGE	: Good			SLOPE	: Moderate to the East
VEGETATION	: Poplars				
PERMAFROST FEATURES	: None				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL-poorly graded	OVERBURDEN - TYPE	: SILT
- THICKNESS	: 1.2-2.7-3.7	- THICKNESS	: 0.3-UN-0.6
		UNDERBURDEN - TYPE	:

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	8	GP/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	8	GRAVEL(%) : 75-UN-82 SAND(%) : 16-UN-22 FINES(%) : 2-UN-3	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: TRIAL CRUSH - No:7 G:62-UN-73 S:23-UN-34 F:2-UN-4		

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

CLASS 1 : 50,000		TOTAL RECOVERABLE	: 300,000
CLASS 2 : 150,000	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 100,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 300,000
CLASS 5 :			

SOURCE NUMBER: 0032.4L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES	: None	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: n/a
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 4		

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

LOCATION : 3.8 km North of Benson Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 32.4
OFFSET - DIRECTION : L
- DISTANCE : 30

SITE ACCESS
ACCESS LENGTH : 30
CONDITION : Good
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 619960
NORTHING : 7123510
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Surfacing Gravel
DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Possible Permafrost

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :Good

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

INVESTIGATION LEVEL : Reconnaissance
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : n/a
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Non Existent
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : n/a
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good at Pit
VEGETATION : Black Spruce Around Pit
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Terrace

TOPOGRAPHY : Irregular
SLOPE : Gentle to the North

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-some silt
- THICKNESS :

OVERBURDEN - TYPE : SILT
- THICKNESS :

UNDERBURDEN - TYPE : POSSIBLY BEDROCK

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)	
UNIFIED SOIL CLASSIFICATION	0	n/a		
MOISTURE CONTENT	0	n/a		
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0	FINES(%) : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a		
OTHER TESTS		n/a		

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

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

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

TOTAL VOLUME :

SOURCE NUMBER: 0033.2B

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 2.0	

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

LOCATION : 4.6 km North of Benson Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 33.2
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : Good
SOURCE ACCESS : Existing Pit Access Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 621000
NORTHING : 7124510
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Territorial
PAST USE : Borrow and Crushed Gravel

STOCKPILE TYPE : 20 mm CRUSHED GRAVEL
STOCKPILE QUANTITY : 1500 m3
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :Good

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Close to Highway

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : +
- DEPTH : n/a

TESTPITS - NUMBER : 2
- DEPTH : 3.7-3.7

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Fair
VEGETATION : Black Spruce Around Pit
PERMAFROST FEATURES : None in Pit Area
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Irregular
SLOPE : Flat at Pit Location

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-some silt
- THICKNESS : 3.7-UN-UN

OVERBURDEN - TYPE : SILT-trace of clay
- THICKNESS : 0.7-UN-UN
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 62 D-50 : 0	SAND(%) : 24 FINES(%) : 14 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 : 1,500
CLASS 2 : 15,000
CLASS 3 : 8,500
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 25,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 25,000

SOURCE NUMBER: 0035.6L

NTS MAP REFERENCE : 116B/2

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 2.0	

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

LOCATION : 7.2 km North of Benson Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 34.7
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : Existing Pit Access Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 620500
NORTHING : 7125390
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Close to Highway

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1974
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 3.7

TEST HOLE DENSITY : 0.5
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good in Pit
VEGETATION : Black Spruce Around Pit Area
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Terrace

TOPOGRAPHY : Irregular
SLOPE : Slope to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-some silt to silty
- THICKNESS : 3.7-UN-UN

OVERBURDEN - TYPE : SILT
- THICKNESS :
UNDERBURDEN - TYPE :

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

<u>TEST NAME</u>	<u>TESTS PERFORMED</u>	<u>TEST RESULTS</u>	<u>(MINIMUM/AVERAGE/MAXIMUM)</u>		
UNIFIED SOIL CLASSIFICATION	1	GM			
MOISTURE CONTENT	0	n/a			
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 46 D-50 : 0	SAND(%) : 28	FINES(%) : 26	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a			
OTHER TESTS : n/a					

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 : 44,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 74,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 74,000

SOURCE NUMBER: 0039.9B

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.0	

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

LOCATION : 11.5 km North of Benson Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 39.3
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 621650
NORTHING : 7130200
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Poor	PERFORMANCE RATING :
- CONSTRAINTS : Possible Permafrost and Peat	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor	TESTPITS - NUMBER : 2	TEST HOLE DENSITY : 2
BOREHOLES - NUMBER : 0	- DEPTH : 1.5-2.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Gravel Fan	TOPOGRAPHY : Irregular
AREA DRAINAGE : Good		SLOPE : Gentle to the East
VEGETATION : Poplars in Pit		
PERMAFROST FEATURES : Black Spruce Surrounding Pit		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-some silt	OVERBURDEN - TYPE : SILT
- THICKNESS : 2.7-UN-UN	- THICKNESS : 0.7-UN-UN
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 80 D-50 : 0	SAND(%) : 16 FINES(%) : 4 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : TRIAL CRUSH - No:1 G:68 S:26 F:6			

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

CLASS 1 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 20,000
CLASS 2 : 5,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 15,000	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		

TOTAL VOLUME : 20,000

SOURCE NUMBER: 0040.5L

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 0.5	

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

LOCATION : 0.2 km South of Pea Soup Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 40.6
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 621700
NORTHING : 7131360
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : High Percentage of Oversize & Possible Water Table
PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 2
- DEPTH : 1.8-3.0

TEST HOLE DENSITY : 4
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Poplars
PERMAFROST FEATURES : None in Pit Area
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : Irregular
SLOPE : Up to the West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-some silt
- THICKNESS : 1.5-1.9-2.3

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.3-0.6-0.8
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 44 D-50 : 0	SAND(%) : 26 FINES(%) : 30 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 10,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 10,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 10,000

SOURCE NUMBER: 0044.0L

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES	: Ying Yang Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 1.5		

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

LOCATION : Just Before Ying Yang Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 44.0
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 622150
NORTHING : 7133370
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : Good
SOURCE ACCESS : Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : None

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

INVESTIGATION LEVEL : Exploration
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 3
- DEPTH : 2.1-UN-3.7

TEST HOLE DENSITY : 2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Poplars
PERMAFROST FEATURES : None
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : Small Valley
SLOPE : Gentle to the West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 1.5-2.7-3.7

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.6-UN-0.8
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 76-76-76 SAND(%) : 20-UN-21 FINES(%) : 3-UN-4 D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 : 20,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 20,000
ANNUAL RECOVERABLE :

TOTAL VOLUME	: 20,000
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NTS MAP REFERENCE : 116B/8

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 14	

LOCATION	: Scout Car Creek Area	UTM ZONE	: 7
CORRIDOR - NAME	: Dempster Highway	EASTING	: 623430
- NUMBER	: 05	NORTHING	: 7136450
KILOMETRE POST	: 47.2	LATITUDE	:
OFFSET - DIRECTION	: R	LONGITUDE	:
- DISTANCE	:		
	<u>SITE ACCESS</u>		
	ACCESS LENGTH	:	0
	CONDITION	:	
	SOURCE ACCESS	:	

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME	- FOR HIGHWAY :
			- FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Poor to Fair	PERFORMANCE RATING	:
	- CONSTRAINTS : Heavy Overburden, Possible Permafrost		

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

DATA QUALITY	: Fair	TEST HOLE DENSITY	: 0.3
BOREHOLES - NUMBER	: 0	TESTPITS - NUMBER	: 4
- DEPTH	: n/a	- DEPTH	: 3.0-3.3-3.7
		EXPOSURES - NUMBER	: 0
		- DEPTH	: n/a

GENERIC ORIGIN	: Alluvial	LANDFORM : Gravel Fan	TOPOGRAPHY : Creek Bed
AREA DRAINAGE	: Fair		SLOPE : Fairly Flat
VEGETATION	: Black Spruce on Both Side of the Highway		
PERMAFROST FEATURES	: Black Spruce and Organic Cover		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89	

GRANULAR - TYPE : Poorly Graded
- THICKNESS : 2.1-2.7-3.3

OVERBURDEN - TYPE : SILT
- THICKNESS : 1.5

UNDERBURDEN - TYPE :

<u>TEST NAME</u>	<u>TESTS PERFORMED</u>	<u>TEST RESULTS</u>	<u>(MINIMUM/AVERAGE/MAXIMUM)</u>
UNIFIED SOIL CLASSIFICATION	4	GP-GP/GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 60-68-76 SAND(%) : 17-23-32 FINES(%) : 2-5-7 D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

CLASS 1 :		TOTAL RECOVERABLE :	100,000
CLASS 2 : 50,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 : 50,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME :	100,000
CLASS 5 :			

SOURCE NUMBER: 0049.9B

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES	: Wolf Creek Pit	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:5000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 20		

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

LOCATION : Large Pit at Wolf Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 49.9
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 30
CONDITION : Good
SOURCE ACCESS : North and South Entrances to Pit

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 624850
NORTHING : 7138450
LATITUDE :
LONGITUDE :

----- Status/Usage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: Depleted in 1988
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow and Crushed Gravel	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Excellent	PERFORMANCE RATING	: Good
- CONSTRAINTS	: Overburden & Possible Permafrost		

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

INVESTIGATION LEVEL	: Del. & Backhoe Invest.	LAST INVESTIGATION DATE	: 1986
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Fair	TEST HOLE DENSITY	: 0.6
BOREHOLES - NUMBER	: 4	EXPOSURES - NUMBER	: 0
- DEPTH	: n/a	- DEPTH	: n/a
TESTPITS - NUMBER	: 8		
- DEPTH	: 3.0-UN-3.7		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Gravel Fan	TOPOGRAPHY	: Flat
AREA DRAINAGE	: Poor to Good			SLOPE	: Gentle to the East
VEGETATION	: Willows and Black Spruce				
PERMAFROST FEATURES	: Willows				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL-poorly graded	OVERBURDEN - TYPE	: SILT
- THICKNESS	: 2.4-3.1-3.7	- THICKNESS	: 0.0-0.3-0.9
		UNDERBURDEN - TYPE	:

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	8	GM/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	8	GRAVEL(%) : 58-UN-84 SAND(%) : 16-UN-34 FINES(%) : 1-UN-12	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: TRIAL CRUSH - No:5 G:61-UN-74 S:24-UN-34 F:3-UN-4		

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

CLASS 1 :		TOTAL RECOVERABLE	: 30,000
CLASS 2 : 30,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 :	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :		
CLASS 5 :			

TOTAL VOLUME : 30,000

SOURCE NUMBER: 0053.1R

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES :
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:n/a
PLAN DIG. NUMBER :
AREA : 1

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-056
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : Old Milepost 33
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 53.1
OFFSET - DIRECTION :
- DISTANCE : Along Old Alignment

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : None

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 626700
NORTHING : 7140470
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Undeveloped

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Close to River-Possible Water Table Problems

PERFORMANCE RATING : n/a

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 3.7

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Spruce
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM :

TOPOGRAPHY : Flat
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 3.7-UN-UN

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS : 700 mm
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 76 D-50 : 0	SAND(%) : 21 FINES(%) : 3 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 10,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 10,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 10,000

SOURCE NUMBER: 0055.5L

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 4.5	

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

LOCATION : 5.9 km North of Wolf Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 55.5
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 628100
NORTHING : 7142620
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : Good
SOURCE ACCESS : Existing Pit Access Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow	EXCAVATED VOLUME - FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good-Exist. Pit	PERFORMANCE RATING :
- CONSTRAINTS : Ice Rich Permafrost, Heavy Overburden	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None
LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TEST PIT HOLES - NUMBER : 6	TEST HOLE DENSITY : 1.3
BOREHOLES - NUMBER : 0	- DEPTH : 0.3-UN-3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM :	TOPOGRAPHY : River Valley
AREA DRAINAGE : In Pit Area		SLOPE : Fairly Flat
VEGETATION : Black Spruce Around Pit		
PERMAFROST FEATURES : Black Spruce		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poor to well graded	OVERBURDEN - TYPE : SILT
- THICKNESS : 1.5-2.7-3.7	- THICKNESS : 0.0-0.3-0.9
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	4	GP/GP/GW
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 60-UN-82 SAND(%) : 15-UN-26 FINES(%) : 1-UN-5 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : TRIAL CRUSH - No:3 G:61-UN-69 S:27-UN-34 F:3-UN-7		

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

CLASS 1 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 100,000
CLASS 2 : 60,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 40,000	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		

TOTAL VOLUME : 100,000

SOURCE NUMBER: 0058.08

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES	: Grizzly Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 150		

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

LOCATION	: Grizzly Creek Area	CO-ORDINATES OF DEPOSIT CENTRE	
CORRIDOR - NAME	: Dempster Highway	UTM ZONE	: 7
- NUMBER	: 05	EASTING	: 629500
KILOMETRE POST	: 58.0	NORTHING	: 7145200
OFFSET - DIRECTION	: R	LATITUDE	:
- DISTANCE	:	LONGITUDE	:
		SITE ACCESS	
		ACCESS LENGTH	: 0
		CONDITION	: Fair
		SOURCE ACCESS	: All Pits Along Highway

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Fair to Good	PERFORMANCE RATING	:
- CONSTRAINTS	: Permafrost; Possible Water Table; Overburden		

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

INVESTIGATION LEVEL	: Exploration/Delineation	LAST INVESTIGATION DATE	: 1978
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Fair to Good	TEST HOLE DENSITY	: 0.1
BOREHOLES - NUMBER	: 1	EXPOSURES - NUMBER	: 0
- DEPTH	: 11.1	- DEPTH	: n/a
TESTPITS - NUMBER	: 13		
- DEPTH	: 2.1-2.8-3.7		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Gravel Fan	TOPOGRAPHY	: River Valley
AREA DRAINAGE	: Good to Poor			SLOPE	: Flat to Gentle Towards E
VEGETATION	: Black Spruce and Willows				
PERMAFROST FEATURES	: Black Spruce and Moss Throughout Area				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL-some silt	OVERBURDEN - TYPE	: SILT
- THICKNESS	: 2.1-3.4-10.1	- THICKNESS	: 0.0-0.5-1.0
		UNDERBURDEN - TYPE	: SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	20	SM/GW-GM/GP/GM/GW-GM	
MOISTURE CONTENT	5	8-11-13	
PARTICLE SIZE ANALYSIS	20	GRAVEL(%) : 40-64-82 SAND(%) : 16-28-46 FINES(%) : 3-8-15	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER	n/a		
OTHER TESTS	TRIAL CRUSH - No:7;G52-65-75;S22-28-37;F3-7-17		

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

CLASS 1 :		TOTAL RECOVERABLE	: 3,000,000
CLASS 2 : 1,000,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 : 2,000,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :		
CLASS 5 :		TOTAL VOLUME	: 3,000,000

SOURCE NUMBER: 0062.4L

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES	: Mike and Art Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 0.5		

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

LOCATION : Mike and Art Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 62.4
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 630640
NORTHING : 7148120
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : Good
SOURCE ACCESS : Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE :

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Possible Permafrost

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 2
- DEPTH : 1.8-2.7

TEST HOLE DENSITY : 4
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor to Fair
VEGETATION : Black Spruce and Willows
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : Flat
SLOPE : 15% East of Highway

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 1.8-UN-2.7

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS :
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GP-GM/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 77-UN-82 SAND(%) : 13-UN-18 FINES(%) : 5-5-5 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS	: n/a	

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

CLASS 1 :
CLASS 2 : 8,000
CLASS 3 : 5,500
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 13,500
ANNUAL RECOVERABLE :

TOTAL VOLUME : 13,500

SOURCE NUMBER: 0066.5R

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1.5	

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

LOCATION : 4.1 km Noerthwest Mike and Art Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 67.1
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 30
CONDITION :
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 634600
NORTHING : 7151450
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE :	EXCAVATED VOLUME - FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :
- CONSTRAINTS : Lots of Oversize	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 3	TEST HOLE DENSITY : 2
BOREHOLES - NUMBER : 0	- DEPTH : 1.8-UN-2.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial	LANDFORM : Gravel Bench	TOPOGRAPHY : River Valley
AREA DRAINAGE : Good		SLOPE : East to River
VEGETATION : Willows		
PERMAFROST FEATURES : None in Pit Area		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded	OVERBURDEN - TYPE : SILT
- THICKNESS : 1.8-2.2-2.7	- THICKNESS :
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	3	GP-GM/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	3	GRAVEL(%) : 78-UN-83 SAND(%) : 11-UN-16 FINES(%) : 3-UN-6 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :		TOTAL RECOVERABLE : 30,000
CLASS 2 : 15,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 15,000	PROBABLE VOLUME :	
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME : 30,000
CLASS 5 :		

SOURCE NUMBER: 0066.6B

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES	: North Klondike River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-008;DHC-042
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : North Fork of Klondike River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 66.6
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along old Alignment

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 634500
NORTHING : 7151500
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow & Crushed Gravel

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Permafrost & Water Table

PERFORMANCE RATING :Fair

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1977
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good
BOREHOLES - NUMBER : 13
- DEPTH : 2.5-UN-18.0

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 1.6
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Black Spruce and Shrubs
PERMAFROST FEATURES : Permafrost Evident
ACTIVE LAYER THICKNESS :

LANDFORM : River Bed

TOPOGRAPHY : River Valley
SLOPE : Towards the River

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND AND GRAVEL-some silt
- THICKNESS : 1.2-6.8-18.7

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.0-UN-0.9
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	26	SM/SM/GW-GM	
MOISTURE CONTENT	25	6-UN-65	
PARTICLE SIZE ANALYSIS	26	GRAVEL(%) : 4-UN-99 SAND(%) : 1-UN-88 FINES(%) : 7-UN-43 D-50 : 0 OVERSIZE(%) : 0	
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 : 50,000
CLASS 3 : 50,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 100,000
ANNUAL RECOVERABLE :

TOTAL VOLUME	: 100,000
--------------	-----------

SOURCE NUMBER: 0071.4L

NTS MAP REFERENCE : 116B/8

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

LOCAL NAMES	: Tombstone Mtn. Campground	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 3		

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

LOCATION : Just Before Tombstone Cpg
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 71.4
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 40
CONDITION : Good
SOURCE ACCESS : Off Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 633750
NORTHING : 7155100
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Sandy with High Silt Content

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 3
- DEPTH : 3.0-UN-3.7

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Fair
VEGETATION : Willows & Spruce
PERMAFROST FEATURES : None in Pit
ACTIVE LAYER THICKNESS :

LANDFORM : River Bed

TOPOGRAPHY : Flat
SLOPE :

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL
- THICKNESS : 2.1-2.8-3.7

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.3-UN-0.9
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	4	GP-GM/GP-GM/GP-GM
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 60-UN-71 SAND(%) : 23-UN-33 FINES(%) : 6-UN-10 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : TRIAL CRUSH - No:4 G:50-UN-67 S:27-UN-45 F:5-UN-9		

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 50,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 50,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 50,000

SOURCE NUMBER: 0077.3R

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES	: Boulder Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 6		

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

LOCATION : Boulder Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 77.7
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 632870
NORTHING : 7160450
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Close to Highway, Permafrost

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 1.8

TEST HOLE DENSITY : 0.2
EXPOSURES - NUMBER : 1
- DEPTH : 5.0

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Positive Towards River
VEGETATION : Willows
PERMAFROST FEATURES : Standing Water in Gravel Areas, Perched Water in Test Pit
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Rugged
SLOPE : Steep to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-well graded
- THICKNESS : 1.8-UN-UN

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS : 1.5-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GW-GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 63 D-50 : 0	SAND(%) : 30 FINES(%) : 7 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 : 30,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 60,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 60,000

SOURCE NUMBER: 0079.2R

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 0.5	

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

LOCATION : 2.3 km North of Boulder Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 79.2
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 632450
NORTHING : 7161250
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Permafrost

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : n/a
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : n/a
EXPOSURES - NUMBER : 1
- DEPTH : Unknown

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Willows
PERMAFROST FEATURES : Standing Water on Flat Areas
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Rugged
SLOPE : Towards the West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly
- THICKNESS :

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.7-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	SM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 36 D-50 : 0	SAND(%) : 48 FINES(%) : 16 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 5,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 5,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 5,000

SOURCE NUMBER: 0081.0R

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES	: Old YTG 82.5 Pit	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 6.0		

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

LOCATION	: 2.8 km North of Hart River Road	<u>CO-ORDINATES OF DEPOSIT CENTRE</u>	
CORRIDOR - NAME	: Dempster Highway	UTM ZONE	: 7
- NUMBER	: 05	EASTING	: 631980
KILOMETRE POST	: 81.0	NORTHING	: 7163370
OFFSET - DIRECTION	: R	LATITUDE	:
- DISTANCE	:	LONGITUDE	:
		<u>SITE ACCESS</u>	
		ACCESS LENGTH	: 200
		CONDITION	:
		SOURCE ACCESS	: Access Road

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: Depleted
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow and Crushed Gravel	EXCAVATED VOLUME	- FOR HIGHWAY :
			- FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Fair	PERFORMANCE RATING	:
- CONSTRAINTS	: Possibly Permafrost, Nearing Depletion		

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

INVESTIGATION LEVEL	: Delineation c/w Backhoe	LAST INVESTIGATION DATE	: 1978
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Fair	TEST HOLE DENSITY	: 0.5
BOREHOLES - NUMBER	: 0	EXPOSURES - NUMBER	: 0
- DEPTH	: n/a	- DEPTH	: n/a
TESTPITS - NUMBER	: 3		
- DEPTH	: 2.4-UN-3.0		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Gravel Bench	TOPOGRAPHY	: Rugged
AREA DRAINAGE	: Fair	SLOPE	:		
VEGETATION	: Grass & Willows				
PERMAFROST FEATURES	: Perched Water Table				
ACTIVE LAYER THICKNESS	:	SITE DESCRIPTION DATE	: 07/15/89		

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

GRANULAR - TYPE	: GRAVEL AND SAND	OVERBURDEN - TYPE	: SILT
- THICKNESS	: 2.1-UN-2.7	- THICKNESS	: 0.3-UN-UN
		UNDERBURDEN - TYPE	: SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GP-GM/GW-GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 58-81	SAND(%) : 11-36 FINES(%) : 6-8
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: TRIAL CRUSH - No:2 G:44-59 S:11-36 F:5-19		

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

CLASS 1 :		TOTAL RECOVERABLE	: 20,000
CLASS 2 : 10,000	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 10,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 20,000
CLASS 5 :			

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 35	

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

LOCATION	: Slope S - East Blackstone River	UTM_ZONE	: 7
CORRIDOR - NAME	: Dempster Highway	EASTING	: 630000
- NUMBER	: 05	NORTHING	: 7165450
KILOMETRE POST	: 84.0	LATITUDE	:
OFFSET - DIRECTION	: R	LONGITUDE	:
- DISTANCE	:		
	<u>SITE ACCESS</u>		
	ACCESS LENGTH : 0		
	CONDITION : Poor		
	SOURCE ACCESS : Along Highway		

```

----- Status/Useage Information -----

```

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	:	EXCAVATED VOLUME	- FOR HIGHWAY :
			- FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Poor	PERFORMANCE RATING	:
	- CONSTRAINTS : Steep Hillside, Poor Material Quality		

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

INVESTIGATION LEVEL : Exploration c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY	: Poor	TEST HOLE DENSITY	: 0.2
BOREHOLES - NUMBER	: 0	TESTPITS - NUMBER	: 7
- DEPTH	: n/a	- DEPTH	: 1.8-2.9-3.7
		EXPOSURES - NUMBER	: 0
		- DEPTH	: n/a

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

GENERIC ORIGIN	: Colluvial	LANDFORM : Slope Wash	TOPOGRAPHY : Mountainous
AREA DRAINAGE	: Positive		SLOPE : Steep Towards West
VEGETATION	: Grass & Shrubs		
PERMAFROST FEATURES	: Perched Water		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89	

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

GRANULAR - TYPE : Angular Rock with Silt
- THICKNESS : 1.8-2.4-3.7

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS : 0.0-UN-1.8

UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	8	GM/GM/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	10	GRAVEL(%) : 28-59-73 SAND(%) : 19-27-50 FINES(%) : 8-14-23 D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : TRIAL CRUSH: NO:1;G-54;S-29;F-17			

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

CLASS 1 :		TOTAL RECOVERABLE :	100,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 : 50,000	PROBABLE VOLUME :		
CLASS 4 : 50,000	PROSPECTIVE VOLUME :	TOTAL VOLUME :	100,000
CLASS 5 :			

SOURCE NUMBER: 0086.0B

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES	: Upper Blackstone River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-006
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:SeeMap	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : East Blackstone River Culvert
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 86.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 627000
NORTHING : 7167100
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow and Crushed Gravel

STOCKPILE TYPE : 20 mm CRUSHED GRAVEL
STOCKPILE QUANTITY : 2000 m3
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair to Good
- CONSTRAINTS : Permafrost, Excessive Ice

PERFORMANCE RATING :Good

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1977
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good
BOREHOLES - NUMBER : 23
- DEPTH : 1.5-6.3-15.0

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 2.3
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Willows and Grass
PERMAFROST FEATURES : Visible Ice
ACTIVE LAYER THICKNESS :

LANDFORM : River Bed

TOPOGRAPHY : Irregular
SLOPE : Towards River

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND and/or GRAVEL
- THICKNESS : 0.4-5.4-15.6

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.0-0.8-1.8
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	16	SM/SM/GW-GM
MOISTURE CONTENT	7	12-UN-56
PARTICLE SIZE ANALYSIS	16	GRAVEL(%) : 10-UN-67 SAND(%) : 22-UN-62 FINES(%) : 4-UN-50 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS	: n/a	

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

CLASS 1 :
CLASS 2 : 100,000
CLASS 3 : 200,000
CLASS 4 : 200,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 500,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 500,000

SOURCE NUMBER: 0089.5B

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES	: Screw Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 2		

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

LOCATION : Screw Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 89.5
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 626100
NORTHING : 7168950
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Possible Permafrost, Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 2
- DEPTH : 1.5-3.7

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Fair
VEGETATION : Grass and Willows
PERMAFROST FEATURES : No Trees
ACTIVE LAYER THICKNESS :

LANDFORM : River Valley

TOPOGRAPHY : River Bed
SLOPE : Fairly Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-sandy
- THICKNESS : 1.5-3.6-3.7

OVERBURDEN - TYPE : ORGANIC VENEER
- THICKNESS : 0.1-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	GP-GM	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 62-65 D-50 : 0	SAND(%) : 32-32 FINES(%) : 6-3 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 : 50,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 50,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 50,000

SOURCE NUMBER: 0090.2L

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 2	

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

LOCATION : 0.7 km North of Screw Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 90.2
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 626095
NORTHING : 7168540
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : G in Drumlins
- CONSTRAINTS : Permafrost

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 4
- DEPTH : 1.4-UN-3.7

TEST HOLE DENSITY : 2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glacialfluvial
AREA DRAINAGE : Good
VEGETATION : Grass and Willows
PERMAFROST FEATURES : Ice Rich Underburden
ACTIVE LAYER THICKNESS :

LANDFORM : Drumlin Field

TOPOGRAPHY : River Valley
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND
- THICKNESS : 1.5-2.5-3.7

OVERBURDEN - TYPE : Thin Veneer
- THICKNESS : 0.0
UNDERBURDEN - TYPE : SILT(Ice Rich)

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	3	GP/GW/GW	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	3	GRAVEL(%) : 64-UN-70 SAND(%) : 27-UN-32 FINES(%) : 3-UN-4	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 20,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 20,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 20,000

SOURCE NUMBER: 0090.7B

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES	: Foxy Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 5		

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

LOCATION : Foxy Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 90.7
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION : Fair
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 625400
NORTHING : 7170800
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost, Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 5
- DEPTH : 4.5-7.3-9.1

TESTPITS - NUMBER : 3
- DEPTH : 1.1-2.1-2.7

TEST HOLE DENSITY : 1.6
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Grass and Willows
PERMAFROST FEATURES : Visible Ice and Frozen Soil
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : River Deposit
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND
- THICKNESS : 0.2-4.7-8.5

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS : 0.0-0.6-1.5
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	5	SW-SM/GW-GM/GP-GM/GP
MOISTURE CONTENT	3	6-8.9
PARTICLE SIZE ANALYSIS	5	GRAVEL(%) : 41-52-68 SAND(%) : 30-41-50 FINES(%) : 2-6-9 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : None		

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

CLASS 1 :
CLASS 2 : 50,000
CLASS 3 : 50,000
CLASS 4 : 25,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 125,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 125,000

SOURCE NUMBER: 0094.8R

NTS MAP REFERENCE : 116B/9

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

LOCAL NAMES	: YTG km 96.4 Pit	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: n/a
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 3.5		

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

LOCATION : 2.4 km North of Fish Lake Culvert
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 94.8
OFFSET - DIRECTION : R
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 625000
NORTHING : 7173300
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 20
CONDITION : Good
SOURCE ACCESS : Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow and Crush Site

STOCKPILE TYPE : Depleted 20 mm CRUSH
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Water in Pit;Permafrost;Nearing Depletion

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Reconnaissance
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1989
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : n/a
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 0
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Grass and Willows
PERMAFROST FEATURES : Perched Water
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : River Valley
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND-some silt
- THICKNESS :

OVERBURDEN - TYPE :
- THICKNESS :
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : n/a D-50 : 0	SAND(%) : n/a FINES(%) : n/a OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

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

PROVEN VOLUME :	
PROBABLE VOLUME :	
PROSPECTIVE VOLUME :	

TOTAL RECOVERABLE :
ANNUAL RECOVERABLE :

TOTAL VOLUME :

SOURCE NUMBER: 0105.68

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES	: YTG KP107.8 Crush Site	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : 3.5 km North of Lake at Old Milepost 65
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 105.8
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 50
CONDITION : Good
SOURCE ACCESS : South End of Pit

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 625550
NORTHING : 7185000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow and Crush Site

STOCKPILE TYPE : 20 mm CRUSHED GRAVEL
STOCKPILE QUANTITY : 7500 m3
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Permafrost; Water Table

PERFORMANCE RATING : Good

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

INVESTIGATION LEVEL : Exploration & Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 7
- DEPTH : 4.0-4.4-4.5

TESTPITS - NUMBER : 3
- DEPTH : 0.9-1.9-3.7

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Willows
PERMAFROST FEATURES : Visible Ice
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : River Valley
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-sandy
- THICKNESS : 0.0-2.9-3.9

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.0-0.7-0.9
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	8	SP-SM/GP/GW-GM
MOISTURE CONTENT	6	3-4-5
PARTICLE SIZE ANALYSIS	8	GRAVEL(%) : 41-53-71 SAND(%) : 26-42-53 FINES(%) : 2-5-9 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 : 10,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 40,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 40,000

SOURCE NUMBER: 0112.7L

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 1	

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

LOCATION : 3 km South of West of Blackst. River Bridge
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 112.7
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 625700
NORTHING : 7189300
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Shallow Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 1.4

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Willows
PERMAFROST FEATURES : Perched Water Table
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : Creek Bed
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 1.4-UN-UN

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.0-UN-0.3
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 76 D-50 : 0	SAND(%) : 23 FINES(%) : 1 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 15,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 15,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 15,000

SOURCE NUMBER: 0114.7B

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES	: Lower Blackstone River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-007;DHC-035;DHC-042;DHC-05
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 15		

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

LOCATION	: Lower Blackstone River	CO-ORDINATES OF DEPOSIT CENTRE	
CORRIDOR - NAME	: Dempster Highway	UTM ZONE	: 7
- NUMBER	: 05	EASTING	: 625150
KILOMETRE POST	: 114.7	NORTHING	: 7192250
OFFSET - DIRECTION	: R	LATITUDE	:
- DISTANCE	:	LONGITUDE	:
		SITE ACCESS	
		ACCESS LENGTH	: 0
		CONDITION	: Good
		SOURCE ACCESS	: Along Highway

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Fair	PERFORMANCE RATING	:
- CONSTRAINTS	: Water Table; Permafrost; Overburden		

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

INVESTIGATION LEVEL	: Geotech. & Delineation	LAST INVESTIGATION DATE	: 1978
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Fair-Excellent	TEST HOLE DENSITY	: 2.0
BOREHOLES - NUMBER	: 30	EXPOSURES - NUMBER	: 0
- DEPTH	: 1.8-10.2-32.0	- DEPTH	: n/a
TESTPITS - NUMBER	: 1		
- DEPTH	: 3.0		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Gravel Bench	TOPOGRAPHY	: River Valley
AREA DRAINAGE	: Good to Poor			SLOPE	: Towards River
VEGETATION	: Willows				
PERMAFROST FEATURES	: Visible Ice During Drilling				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL AND SAND	OVERBURDEN - TYPE	: OGRANICS/ICE/SILT
- THICKNESS	: 0.0-8.0-25.5	- THICKNESS	: 0.0-1.9-13.
		UNDERBURDEN - TYPE	:

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	30	SM/GP-GM/GP/GW	
MOISTURE CONTENT	41	5-21.2-13.8	
PARTICLE SIZE ANALYSIS	60	GRAVEL(%) : 1-41-77 SAND(%) : 19-43-90 FINES(%) : 2-16-57	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :		TOTAL RECOVERABLE	: 300,000
CLASS 2 : 100,000	PROVEN VOLUME	:	ANNUAL RECOVERABLE :
CLASS 3 : 150,000	PROBABLE VOLUME	:	
CLASS 4 : 50,000	PROSPECTIVE VOLUME	:	TOTAL VOLUME : 300,000
CLASS 5 :			

SOURCE NUMBER: 0117.0R

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES	: Chapman Lake	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 6		

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

LOCATION : Along East Side of Chapman Lake
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 117.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 626550
NORTHING : 7193500
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost; Close to Highway

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delin. Drilling/Test Pit.
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 3
- DEPTH : 4.5-4.5-4.5

TESTPITS - NUMBER : 3
- DEPTH : 0.6-UN-2.1

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good in Pit
VEGETATION : Grass and Willows
PERMAFROST FEATURES : Visible Ice in Boreholes
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Gravel Terrace
SLOPE : Moderate to the East

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND AND GRAVEL
- THICKNESS : 0.0-1.6-4.5

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.0-1.5-4.5
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	SP-SM/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 28-77 D-50 : 0	SAND(%) : 21-63 FINES(%) : 2-9 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 60,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 60,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 60,000

SOURCE NUMBER: 0122.8B

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-034;DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 3.0	

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

LOCATION : 2 km South of Old Mile 78 Airstrip	<u>CO-ORDINATES OF DEPOSIT CENTRE</u>
CORRIDOR - NAME : Dempster Highway	UTM ZONE : 7
- NUMBER : 05	EASTING : 628900
KILOMETRE POST : 122.8	NORTHING : 7199100
OFFSET - DIRECTION : R	LATITUDE :
- DISTANCE :	LONGITUDE :
	<u>SITE ACCESS</u>
	ACCESS LENGTH : 0
	CONDITION :
	SOURCE ACCESS : Existing Pit Access on Highway

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : 20 mm CRUSHED BASECOURSE
STATUS :	STOCKPILE QUANTITY : 3500 m3
PAST USE : Crush Source & Borrow	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Fair	PERFORMANCE RATING :
- CONSTRAINTS : Permafrost; Overburden	

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

INVESTIGATION LEVEL : Delin.c/w Backhoe & Drill	LAST INVESTIGATION DATE : 1978
GEOPHYSICAL DATA : None	PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TEST HOLE DENSITY : 5
BOREHOLES - NUMBER : 8	EXPOSURES - NUMBER : 0
- DEPTH : 2.4-4.1-4.5	- DEPTH : n/a
TESTPITS - NUMBER : 7	
- DEPTH : 1.2-2.8-3.7	

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

GENERIC ORIGIN : Alluvial	LANDFORM : Gravel Bench	TOPOGRAPHY : River Valley
AREA DRAINAGE : Poor to Fair		SLOPE : Moderate to the S & E
VEGETATION : Willows and Grass		
PERMAFROST FEATURES : Permafrost and Visible Ice in Logs		
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 07/15/89	

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

GRANULAR - TYPE : GRAVEL and/or SAND	OVERBURDEN - TYPE : ORGANICS and/or SILT
- THICKNESS : 0.0-2.3-3.7	- THICKNESS : 0.0-1.1-4.5
	UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	11	GM/GP-GM/GW-GM
MOISTURE CONTENT	3	4-6-9
PARTICLE SIZE ANALYSIS	11	GRAVEL(%) : 50-66-80 SAND(%) : 17-26-41 FINES(%) : 2-7-20
		D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :		TOTAL RECOVERABLE : 60,000
CLASS 2 : 30,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 30,000	PROBABLE VOLUME :	
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME : 60,000
CLASS 5 :		

SOURCE NUMBER: 0127.0R

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 3	

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

LOCATION : 3 km North of Airstrip at km 124
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 127.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 200
CONDITION :
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 629000
NORTHING : 7201650
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 3
- DEPTH : 3.0-UN-3.7

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Poplars and Willows
PERMAFROST FEATURES : None
ACTIVE LAYER THICKNESS :

LANDFORM : River Bed

TOPOGRAPHY : River Valley
SLOPE : Flat Along River Bed

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 3.0-3.3-3.7

OVERBURDEN - TYPE : SILT
- THICKNESS : 0.0-UN-1.2
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	3	GP/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	3	GRAVEL(%) : 76-UN-81 SAND(%) : 17-UN-21 FINES(%) : 2-UN-4	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 30,000
ANNUAL RECOVERABLE :

TOTAL VOLUME	: 30,000
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SOURCE NUMBER: 0131.2R

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES	: Cash Creek Pit	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : 1.7 km Past Cash Creek Pit
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 131.2
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 150
CONDITION : Good
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 630000
NORTHING : 7206000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow and Crush Site

DEVELOPMENT - POTENTIAL : Excellent
- CONSTRAINTS : Possible Permafrost

STOCKPILE TYPE : 20 mm CRUSH
STOCKPILE QUANTITY : 700 m3
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 8
- DEPTH : 2.4-3.4-3.7

TEST HOLE DENSITY : 0.8
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Black Spruce Surrounding Pit
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : Dissected
SLOPE : Gentle Towards River

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL
- THICKNESS : 1.8-3.1-3.7

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS :
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	8	GP-GM/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	8	GRAVEL(%) : 59-73-81 SAND(%) : 16-23-34 FINES(%) : 2-4-8 D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 225,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 225,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 225,000

SOURCE NUMBER: 0136.0L

NTS MAP REFERENCE : 116B/16

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 0.5	

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

LOCATION : 6.5 km North of Cash Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 136.0
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Existing Pit Access on Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 632200
NORTHING : 7209750
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Possible Permafrost

PERFORMANCE RATING :Poor

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 1
- DEPTH : 2.4

TEST HOLE DENSITY : 2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Black Spruce
PERMAFROST FEATURES : Dwarf Spruce
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Irregular
SLOPE : Moderate to the North

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-coarse
- THICKNESS : 2.4-UN-UN

OVERBURDEN - TYPE : SILT AND ORGANICS
- THICKNESS : 0.2-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 80 D-50 : 0	SAND(%) : 17 FINES(%) : 3 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 5,000
CLASS 3 : 5,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 10,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 10,000

SOURCE NUMBER: 0152.8L

NTS MAP REFERENCE : 116G/1

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 4.0	

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

LOCATION : 5.8 km South Old Mile 100 Airstrip
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 152.8
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 100
CONDITION : Good
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 628800
NORTHING : 7218100
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : Depleted
STATUS :	STOCKPILE QUANTITY : n/a
PAST USE : Borrow and Crush	EXCAVATED VOLUME - FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :
- CONSTRAINTS : Large Anuglar Rock, and Possible Permafrost	

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 4	TEST HOLE DENSITY : 0.7
BOREHOLES - NUMBER : 0	- DEPTH : 1.5-UN-3.7	EXPOSURES - NUMBER : 0
- DEPTH : n/a		- DEPTH : n/a

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

GENERIC ORIGIN : Glacialfluvial	LANDFORM : Outwash	TOPOGRAPHY : Dissected
AREA DRAINAGE : Good		SLOPE : Moderate to the North
VEGETATION : Willows and Spruce		
PERMAFROST FEATURES : Willows and Spruce, Perched Water		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-coarse, angular	OVERBURDEN - TYPE : SILT
- THICKNESS : 1.5-2.0-2.7	- THICKNESS : 0.0-0.5-1.2
	UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	3	GP-GM/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	3	GRAVEL(%) : 64-74-85 SAND(%) : 13-20-24 FINES(%) : 2-6-12 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : TRIAL CRUSH - No:3 G:54-UN-70 S:25-UN-33 F:2-UN-12		

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

CLASS 1 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 80,000
CLASS 2 : 40,000	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 40,000	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		

TOTAL VOLUME : 80,000

SOURCE NUMBER: 0158.6L

NTS MAP REFERENCE : 116G/1

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

LOCAL NAMES	: Old Mi. 100 Airstrip Pit	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : Across from Mile 100 Airstrip
 CORRIDOR - NAME : Dempster Highway
 - NUMBER : 05
 KILOMETRE POST : 160.9
 OFFSET - DIRECTION : L
 - DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
 EASTING : 623800
 NORTHING : 7221000
 LATITUDE :
 LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 100
 CONDITION : Good
 SOURCE ACCESS : Haul Road

----- Status/Useage Information -----

LAND TENURE : Territorial
 STATUS :
 PAST USE : Borrow and Crushed Gravel

STOCKPILE TYPE : Borrow
 STOCKPILE QUANTITY : 20 m³
 EXCAVATED VOLUME - FOR HIGHWAY :
 - FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair to Good
 - CONSTRAINTS : Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
 GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
 PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
 BOREHOLES - NUMBER : 0
 - DEPTH : n/a

TESTPITS - NUMBER : 7
 - DEPTH : 2.1-UN-3.7

TEST HOLE DENSITY : 0.7
 EXPOSURES - NUMBER : 0
 - DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
 AREA DRAINAGE : Good
 VEGETATION : No Vegetation in River Bed
 PERMAFROST FEATURES :
 ACTIVE LAYER THICKNESS :

LANDFORM : River Bed

TOPOGRAPHY : Flat
 SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL & SAND
 - THICKNESS : 1.8-2.7-3.7

OVERBURDEN - TYPE : SILT
 - THICKNESS : 0.0-UN-0.6
 UNDERBURDEN - TYPE : SILTS AND SHALE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	7	GP-GM/GP/GP
MOISTURE CONTENT	0	n/a
PARTICLE SIZE ANALYSIS	7	GRAVEL(%) : 64-77-83 SAND(%) : 15-19-25 FINES(%) : 2-4-11 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : TRIAL CRUSH - No:5 G:58-UN-66 S:30-UN-35 F:4		

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

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

PROVEN VOLUME :
 PROBABLE VOLUME :
 PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 0
 ANNUAL RECOVERABLE :

TOTAL VOLUME	:	0
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SOURCE NUMBER: 0168.3L

NTS MAP REFERENCE : 116G/1

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

LOCAL NAMES : Red Creek
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:n/a
PLAN DIG. NUMBER :
AREA : 4

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-056
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : Red Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 168.3
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 623300
NORTHING : 7228700
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost, Frozen Overburden

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good
BOREHOLES - NUMBER : 8
- DEPTH : 4.5-5.1-9.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Black Spruce, Willows
PERMAFROST FEATURES : Visible Ice
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Fan

TOPOGRAPHY : Dissected
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND
- THICKNESS : 1.8-3.2-7.0

OVERBURDEN - TYPE : ORGANICS-SILT
- THICKNESS : 0.9-1.8-2.7
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	8	GP/GP-GM/GW-GM
MOISTURE CONTENT	8	5-7-8
PARTICLE SIZE ANALYSIS	8	GRAVEL(%) : 46-61-76 SAND(%) : 20-34-49 FINES(%) : 3-5-8 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 : 20,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 50,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 50,000

SOURCE NUMBER: 0174.6L

NTS MAP REFERENCE : 116G/1

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

LOCAL NAMES	: Old Mile 110 Gravel Pit	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: n/a
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:5000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 2		

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

LOCATION : Old Mile 110 Gravel Pit
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 174.6
OFFSET - DIRECTION : L
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 624850
NORTHING : 7233400
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : Along Highway

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Possible Permafrost, Overburden, Close to Highway
PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Reconnaissance
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : Unkn
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : None
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : Unkn
EXPOSURES - NUMBER : 1
- DEPTH : 4.5

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Grass and Black Spruce
PERMAFROST FEATURES : Black Spruce in Area
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Irregular
SLOPE : Fairly Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL
- THICKNESS : 4.0-UN-6.0

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 1.0-1.5-2.0
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : n/a D-50 : 0	SAND(%) : n/a FINES(%) : n/a OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 20,000
CLASS 3 : 10,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 30,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 30,000

SOURCE NUMBER: 0189.2R

NTS MAP REFERENCE : 116G/8

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

LOCAL NAMES	: Sulphur Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 3		

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

LOCATION : Sulphur Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 189.2
OFFSET - DIRECTION : R
- DISTANCE :

----- CO-ORDINATES OF DEPOSIT CENTRE -----

UTM ZONE : 7
EASTING : 628700
NORTHING : 7246900
LATITUDE :
LONGITUDE :

----- SITE ACCESS -----

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	: Undeveloped	STOCKPILE QUANTITY	: n/a
PAST USE	:	EXCAVATED VOLUME	- FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Poor	PERFORMANCE RATING	:
- CONSTRAINTS	: Shallow Groundwater		

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

INVESTIGATION LEVEL : Exploration c/w Backhoe
GEOPHYSICAL DATA : None
LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY	: Poor	TEST HOLE DENSITY	: 0.7
BOREHOLES - NUMBER	: 0	EXPOSURES - NUMBER	: 0
- DEPTH	: n/a	- DEPTH	: n/a
TESTPITS - NUMBER	: 2		
- DEPTH	: 0.9-0.9		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: Gravel Fan	TOPOGRAPHY	: Dissected
AREA DRAINAGE	: Poor			SLOPE	: Flat
VEGETATION	: Poplars & Willows Along Creek				
PERMAFROST FEATURES	: Black Spruce in Area				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL AND SAND	OVERBURDEN - TYPE	: ORGANICS
- THICKNESS	: 0.9-UN-UN	- THICKNESS	: 0.5-UN-UN
		UNDERBURDEN - TYPE	:

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 55 D-50 : 0	SAND(%) : 43 FINES(%) : 2 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	TRIAL CRUSH - No:1 G:57 S:41 F:2		

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

CLASS 1 :		TOTAL RECOVERABLE	: 20,000
CLASS 2 : 10,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 : 10,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :		
CLASS 5 :		TOTAL VOLUME	: 20,000

SOURCE NUMBER: 0194.6B

NTS MAP REFERENCE : 116G/8

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

LOCAL NAMES	: Ogilvie Camp Area	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-018;DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 4		

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

LOCATION : Big Eng. Creek Bridge Rock Quarry
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 194.6
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 200
CONDITION : Good
SOURCE ACCESS : Yes

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 626100
NORTHING : 7250600
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: 20 mm CRUSHED
STATUS	:	STOCKPILE QUANTITY	: 4800 m3
PAST USE	: Crushed Gravel & Shale Surfac.	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Almost Depleted	PERFORMANCE RATING	: Good (YTG 1986)
- CONSTRAINTS	: High Water Table		

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

INVESTIGATION LEVEL	: Delineation c/w Backhoe	LAST INVESTIGATION DATE	: 1978
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Fair	TEST HOLE DENSITY	: 1
BOREHOLES - NUMBER	: 0	EXPOSURES - NUMBER	: 0
- DEPTH	: n/a	- DEPTH	: n/a
TESTPITS - NUMBER	: 4		
- DEPTH	: 1.5-2.1-2.4		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: River Bed	TOPOGRAPHY	: Dissected
AREA DRAINAGE	: Poor			SLOPE	: Flat
VEGETATION	: Poplars & Willows in Pit				
PERMAFROST FEATURES	: None in Pit				
ACTIVE LAYER THICKNESS	:				

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE	: SAND over GRAVEL	OVERBURDEN - TYPE	: ORGANIC SILT
- THICKNESS	: 1.5-2.0-2.4	- THICKNESS	: 0.0-0.1-0.3
		UNDERBURDEN - TYPE	: SHALE BEDROCK

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	4	GP/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	4	GRAVEL(%) : 48-68-81 SAND(%) : 18-31-48 FINES(%) : 1-2-4	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : TRIAL CRUSH	- No:3 G:48-59-74 S:25-38-48 F:1-3-4		

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

CLASS 1 :		TOTAL RECOVERABLE	: 40,000
CLASS 2 : 20,000	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 20,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 40,000
CLASS 5 :			

SOURCE NUMBER: 0210.8L

NTS MAP REFERENCE : 116G/8

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-056
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 2.5	

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

LOCATION : 15.6 km North of Ogilvie Camp
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 210.8
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 7
EASTING : 629500
NORTHING : 7262000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Delineation c/w Backhoe
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 7
- DEPTH : 0.9-UN-3.7

TEST HOLE DENSITY : 2.8
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Good
VEGETATION : Poplars In Source
PERMAFROST FEATURES :
ACTIVE LAYER THICKNESS :

LANDFORM : Old River Bed

TOPOGRAPHY : River Valley
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-poorly graded
- THICKNESS : 0.0-1.8-3.4

OVERBURDEN - TYPE : ORGANIC SILT
- THICKNESS : 0.0-0.6-1.8
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	5	GP/GP/GP	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	5	GRAVEL(%) : 72-78-81 SAND(%) : 17-20-26 FINES(%) : 2-2-3 D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : TRIAL CRUSH - No:4 G:60-65-71 S:26-32-36 F:2-4-3			

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

CLASS 1 :
CLASS 2 : 50,000
CLASS 3 :
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 50,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 50,000

CLASS 1 :		TOTAL RECOVERABLE :	1,000,000
CLASS 2 :	750,000	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 :	250,000	PROBABLE VOLUME :	
CLASS 4 :		PROSPECTIVE VOLUME :	TOTAL VOLUME : 1,000,000
CLASS 5 :			

SOURCE NUMBER: 0244.0R

NTS MAP REFERENCE : 116H/12

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

LOCAL NAMES	: None	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 3		

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

LOCATION : Close to Joe Henry Cabin
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 244.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 362900
NORTHING : 7291200
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE :

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Water Table, Possible Permafrost

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 1
- DEPTH : 4.5

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 0.3
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Poplars Along River
PERMAFROST FEATURES :
ACTIVE LAYER THICKNESS :

LANDFORM : Alluvial

TOPOGRAPHY : River Bed
SLOPE : Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND & GRAVEL
- THICKNESS : 3.9-UN-UN

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.6-UN-UN
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	SM	
MOISTURE CONTENT	1	4	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 23 D-50 : 0	SAND(%) : 63 FINES(%) : 14 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 : 30,000
CLASS 3 : 30,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 60,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 60,000

SOURCE NUMBER: 0377.8B

NTS MAP REFERENCE : 1161/7

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

LOCAL NAMES	: Eagle River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-017
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : Eagle River Area km 377-394
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 372.8
OFFSET - DIRECTION : L
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway at Bridge

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 423850
NORTHING : 7370200
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair to Poor
- CONSTRAINTS : Permafrost and High Water Table

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Investigation Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1972
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair-Very Good
BOREHOLES - NUMBER : 19
- DEPTH : 3.0-10.5-18.0

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 1.9
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor to Fair
VEGETATION : Willows
PERMAFROST FEATURES : Visible Ice and Permafrost in Boreholes
ACTIVE LAYER THICKNESS :

LANDFORM : River Bed Gravels
TOPOGRAPHY : Dissected
SLOPE : Mod. Towards Eagle River

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly
- THICKNESS : 1.8-5.9-11.6

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.0-1.2-2.8
UNDERBURDEN - TYPE : SILT AND CLAY/SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	26	GC/GP/SM-SW/SM/SM-SC/GM
MOISTURE CONTENT	86	1-17-39
PARTICLE SIZE ANALYSIS	82	GRAVEL(%) : 0-29-76 SAND(%) : 15-48-90 FINES(%) : 3-23-79 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 100,000
CLASS 4 : 100,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 200,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 200,000

SOURCE NUMBER: 0417.0R

NTS MAP REFERENCE : 1161/9

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-047
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 3	

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

LOCATION : 11.7 km North Arctic Circle Sign	<u>CO-ORDINATES OF DEPOSIT CENTRE</u>
CORRIDOR - NAME : Dempster Highway	UTM ZONE : 8
- NUMBER : 05	EASTING : 441800
KILOMETRE POST : 417.3	NORTHING : 7394800
OFFSET - DIRECTION : R	LATITUDE :
- DISTANCE :	LONGITUDE :
	<u>SITE ACCESS</u>
	ACCESS LENGTH : 330
	CONDITION : Good
	SOURCE ACCESS : Haul Road

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : Unknown
STATUS :	STOCKPILE QUANTITY : Unknown
PAST USE : Borrow and Shale Surfacing	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : P-Gran.G-Shale	PERFORMANCE RATING :
- CONSTRAINTS : Permafrost,Predominently Shale,Perched Water Table	

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

INVESTIGATION LEVEL : Exploration/Delineation	LAST INVESTIGATION DATE : 1976
GEOPHYSICAL DATA : None	PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good	TEST HOLE DENSITY : 0.3
BOREHOLES - NUMBER : 1	EXPOSURES - NUMBER : 0
- DEPTH : 4.6	- DEPTH : n/a
TESTPITS - NUMBER : 0	
- DEPTH : n/a	

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

GENERIC ORIGIN : Slope Wash,Colluvial	LANDFORM : B.Rock Qry./Sand OVL	TOPOGRAPHY : Mountainous
AREA DRAINAGE : Poor		SLOPE : Moderate to the West
VEGETATION : Willows & Grass		
PERMAFROST FEATURES : Permafrost with Visible Ice		
ACTIVE LAYER THICKNESS :	SITE DESCRIPTION DATE : 07/15/89	

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

GRANULAR - TYPE : SAND-silty	OVERBURDEN - TYPE : SILT-sandy, gravelly
- THICKNESS : 2.5	- THICKNESS : 0.9
	UNDERBURDEN - TYPE : SHALE

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

<u>TEST NAME</u>	<u>TESTS PERFORMED</u>	<u>TEST RESULTS</u> (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	3	SM/SM/SM
MOISTURE CONTENT	3	26-UN-67
PARTICLE SIZE ANALYSIS	3	GRAVEL(%) : 0-UN-28 SAND(%) : 37-UN-73 FINES(%) : 25-UN-38
		D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :		TOTAL RECOVERABLE : 50,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 25,000	PROBABLE VOLUME :	
CLASS 4 : 25,000	PROSPECTIVE VOLUME :	TOTAL VOLUME : 50,000
CLASS 5 :		

SOURCE NUMBER: 0423.0R

NTS MAP REFERENCE : 1161/9

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

LOCAL NAMES	: Vadzaih Kan Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-047
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:23300	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 5		

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

LOCATION : 200 m North of Vadzaih Kan Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 423.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 700
CONDITION :
SOURCE ACCESS : Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 440500
NORTHING : 7404000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow & Shale Surfacing

STOCKPILE TYPE : Unknown
STOCKPILE QUANTITY : Unknown
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost, Water Table, Bedrock

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1976
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good
BOREHOLES - NUMBER : 3
- DEPTH : 4.6-6.1-9.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 0.6
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Alluvial
AREA DRAINAGE : Poor
VEGETATION : Spruce and Poplars
PERMAFROST FEATURES : Permafrost with Visible Ice
ACTIVE LAYER THICKNESS :

LANDFORM :

TOPOGRAPHY : Mountainous
SLOPE : Moderate Towards Highway

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly, some silt
- THICKNESS : 1.5-2.8-4.4

OVERBURDEN - TYPE : PEAT
- THICKNESS : 0.1-0.1-0.3
UNDERBURDEN - TYPE : SHALE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	10	SM/SM/GW-GM	
MOISTURE CONTENT	10	13-UN-118	
PARTICLE SIZE ANALYSIS	11	GRAVEL(%) : 17-29-37 SAND(%) : 35-55-68 FINES(%) : 8-16-32	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS		n/a	

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

CLASS 1 :
CLASS 2 : 10,000
CLASS 3 : 40,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 50,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 50,000

SOURCE NUMBER: 0432.9R

NTS MAP REFERENCE : 1161/16

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

LOCAL NAMES	: Rock River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-045;DHC-047
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 5		

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

LOCATION	: Rock River	<u>CO-ORDINATES OF DEPOSIT CENTRE</u>	
CORRIDOR - NAME	: Dempster Highway	UTM ZONE	: 8
- NUMBER	: 05	EASTING	: 441300
KILOMETRE POST	: 432.9	NORTHING	: 7408700
OFFSET - DIRECTION	: R	LATITUDE	:
- DISTANCE	:	LONGITUDE	:
		<u>SITE ACCESS</u>	
		ACCESS LENGTH	: 0
		CONDITION	:
		SOURCE ACCESS	: Adjacent to Highway

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Fair	PERFORMANCE RATING	:
- CONSTRAINTS	: Permafrost and Water Table		

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

INVESTIGATION LEVEL	: Exploration Drilling	LAST INVESTIGATION DATE	: 1976
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Good	TEST HOLE DENSITY	: 2.4
BOREHOLES - NUMBER	: 12	EXPOSURES - NUMBER	: 0
- DEPTH	: 4.6-10.6-13.7	- DEPTH	: n/a
TESTPITS - NUMBER	: 0		
- DEPTH	: n/a		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: GR Bench&River Bed	TOPOGRAPHY	: Dissected
AREA DRAINAGE	: Fair			SLOPE	: Moderate Towards River
VEGETATION	: Spruce and Poplars				
PERMAFROST FEATURES	: Permafrost with Visible Ice				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL AND SAND	OVERBURDEN - TYPE	: PEAT AND CLAY
- THICKNESS	: 1.2-5.0-8.3	- THICKNESS	: 0.0-1.1-3.0
		UNDERBURDEN - TYPE	: SILTSTONE AND SHALE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	52	SM/SM/GW	
MOISTURE CONTENT	52	4-24-107	
PARTICLE SIZE ANALYSIS	52	GRAVEL(%) : 20-39-77 SAND(%) : 21-44-61 FINES(%) : 3-17-37	
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :		TOTAL RECOVERABLE	: 100,000
CLASS 2 : 40,000	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 60,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :		
CLASS 5 :			
		TOTAL VOLUME	: 100,000

SOURCE NUMBER: 0446.08

NTS MAP REFERENCE : 1161/16

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

LOCAL NAMES	: Cornwall River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-045;DHC-056
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 10		

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

LOCATION : Cornwall River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 05
KILOMETRE POST : 446.0
OFFSET - DIRECTION : R
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 440400
NORTHING : 7421800
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : Along Highway

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Fair	PERFORMANCE RATING	:
- CONSTRAINTS	: Permafrost, Rugged Topography		

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

INVESTIGATION LEVEL	: Exploration/Delineation	LAST INVESTIGATION DATE	: 1978
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Good	TEST HOLE DENSITY	:
BOREHOLES - NUMBER	: 9	EXPOSURES - NUMBER	: 0
- DEPTH	: 4.6-9.0-13.7	- DEPTH	: n/a
TESTPITS - NUMBER	: 6		
- DEPTH	: 2.1-2.5-2.7		

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

GENERIC ORIGIN	: Alluvial	LANDFORM	: GR Bench&River Bed	TOPOGRAPHY	: Dissected
AREA DRAINAGE	: Fair to Good			SLOPE	: Moderate-Steep Towards Rv
VEGETATION	: Spruce, Willows, Poplars				
PERMAFROST FEATURES	: Permafrost with Visible Ice				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL/SAND & GRAVEL	OVERBURDEN - TYPE	: PEAT/SILT-CLAY
- THICKNESS	: 2.1-3.7-7.6	- THICKNESS	: 0.0-0.9-2.7
		UNDERBURDEN - TYPE	: SHALE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	53	GP/GW-GM/SM/GW/SM-SC
MOISTURE CONTENT	51	5-13-51
PARTICLE SIZE ANALYSIS	53	GRAVEL(%) : 9-46-89 SAND(%) : 10-42-78 FINES(%) : 1-13-42 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : TRIAL CRUSH No:2	G:71-75 S:22-26 F:3-3	

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

CLASS 1 :		TOTAL RECOVERABLE	: 50,000
CLASS 2 : 20,000	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 30,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 50,000
CLASS 5 :			

SOURCE NUMBER: 0508.8R

NTS MAP REFERENCE : 106M/3

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

LOCAL NAMES : Midway Lake
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:2000
PLAN DIG. NUMBER :
AREA : 10

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-046
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : Midway Lake
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 508.8
OFFSET - DIRECTION : R
- DISTANCE : 560

SITE ACCESS
ACCESS LENGTH : 800
CONDITION : Excellent
SOURCE ACCESS : Constructed Haul Road

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 481600
NORTHING : 7456500
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Developed
PAST USE : Borrow & Crushed Gravel

STOCKPILE TYPE : 20 mm CRUSH
STOCKPILE QUANTITY : 25000 m3
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Permafrost, Water Table

PERFORMANCE RATING :Good

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

INVESTIGATION LEVEL : Delineation Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1978
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Good
BOREHOLES - NUMBER : 26
- DEPTH : 1.2-6.6-18.3

TESTPITS - NUMBER : 2
- DEPTH : 3.7-6.7

TEST HOLE DENSITY : 1.1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glaciofluvial
AREA DRAINAGE : Poor
VEGETATION : Willows
PERMAFROST FEATURES : Visible Ice, Vs, Vr, Vx
ACTIVE LAYER THICKNESS :

LANDFORM : Terrace

TOPOGRAPHY : Undulating
SLOPE : Moderate to North

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL AND SAND-some silt
- THICKNESS : 0.0-4.6-15.6

OVERBURDEN - TYPE : PEAT, ORGANIC SILT, CLAY, ICE
- THICKNESS : 0.0-1.5-4.0
UNDERBURDEN - TYPE : CLAY

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	81	SC/SC-SM/GW	
MOISTURE CONTENT	84	5-12-31	
PARTICLE SIZE ANALYSIS	84	GRAVEL(%) : 0-28-76 SAND(%) : 22-55-79 FINES(%) : 1-17-42 D-50 : 0 OVERSIZE(%) : 0	
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 500,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 500,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 500,000

SOURCE NUMBER: 0565.6R

NTS MAP REFERENCE : 106M/7

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-010;DHC-011
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 0	

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

LOCATION : 16 km East of Fort McPherson
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 565.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : None

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 517200
NORTHING : 7482500
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Undeveloped
PAST USE : None

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Permafrost

PERFORMANCE RATING :n/a

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

INVESTIGATION LEVEL : Exploration
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 2
- DEPTH : 6.1-6.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : n/a
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glacial
AREA DRAINAGE : Poor
VEGETATION : Black Spruce
PERMAFROST FEATURES : Visible Ice
ACTIVE LAYER THICKNESS :

LANDFORM : Esker

TOPOGRAPHY : Gently Rolling
SLOPE : Fairly Flat

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-sandy
- THICKNESS : 3.4-4.0

OVERBURDEN - TYPE : ORGANICS over SILT
- THICKNESS : 1.2-1.5
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0 FINES(%) : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 15,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 15,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 15,000

SOURCE NUMBER: 0567.7B

NTS MAP REFERENCE : 106M/7

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-026
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:12200	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 20	

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

LOCATION : 17.7 km East of Fort McPherson
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 567.7
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : None

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 519900
NORTHING : 7482000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Undeveloped
PAST USE : None

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor to Fair
- CONSTRAINTS : Permafrost

PERFORMANCE RATING :n/a

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

INVESTIGATION LEVEL : Delineation Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 27
- DEPTH : 1.2-UN-7.9

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 1.3
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glacial
AREA DRAINAGE : Poor
VEGETATION : Black Spruce
PERMAFROST FEATURES : Visible Ice Veins
ACTIVE LAYER THICKNESS :

LANDFORM :

TOPOGRAPHY : Gently Rolling
SLOPE :

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND AND GRAVEL-silty
- THICKNESS : 0.7-2.8-4.9

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.3-0.8-1.2
UNDERBURDEN - TYPE : SILT AND CLAY

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	51	SMorSC/SMorSC/GM
MOISTURE CONTENT	51	6-12-24
PARTICLE SIZE ANALYSIS	51	GRAVEL(%) : 1-31-52 SAND(%) : 31-43-58 FINES(%) : 12-26-46 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : Atterberg Limits:18		

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 200,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 200,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 200,000

SOURCE NUMBER: 0583.2B

NTS MAP REFERENCE : 106M/8

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-026
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 25	

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

LOCATION : 33-37 km East of Fort McPherson
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 583.2
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : None

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 532200
NORTHING : 7475850
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : None
STATUS : Undeveloped	STOCKPILE QUANTITY : n/a
PAST USE : None	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Poor to Fair	PERFORMANCE RATING : n/a
- CONSTRAINTS : Permafrost, Restoration Problems	

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

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1973
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TEST HOLE DENSITY : 1.1
BOREHOLES - NUMBER : 40	EXPOSURES - NUMBER : 1
- DEPTH : 0.9-5.1-11.0	- DEPTH : 1.0
TESTPITS - NUMBER : 1	- DEPTH : 0.6

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

GENERIC ORIGIN : Glac.Fluvial/Glacial LANDFORM : Kames, Eskers, etc. TOPOGRAPHY : Gently Rolling
AREA DRAINAGE : Poor SLOPE : Irregular
VEGETATION : Black Spruce
PERMAFROST FEATURES : Visible Ice
ACTIVE LAYER THICKNESS : SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly, silty	OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.6-4.9-11.0	- THICKNESS : 0.0-0.5-1.5
	UNDERBURDEN - TYPE : ICE;SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	67	SC/SC-SM/SM/SW/GM/GP-GM/GW-GM
MOISTURE CONTENT	79	2-12-22
PARTICLE SIZE ANALYSIS	75	GRAVEL(%) : 3-24-55 SAND(%) : 31-58-85 FINES(%) : 6-21-44 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :	PROVEN VOLUME :	TOTAL RECOVERABLE : 500,000
CLASS 2 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 : 500,000	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		

TOTAL VOLUME : 500,000

SOURCE NUMBER: 0591.0R

NTS MAP REFERENCE : 106M/8

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

LOCAL NAMES : Frog Creek	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-029
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:36000	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 100	

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

LOCATION : Frog Creek Gravel Pit	CO-ORDINATES OF DEPOSIT CENTRE
CORRIDOR - NAME : Dempster Highway	UTM ZONE : 8
- NUMBER : 08	EASTING : 539700
KILOMETRE POST : 591.0	NORTHING : 7471900
OFFSET - DIRECTION : R	LATITUDE :
- DISTANCE : 2000	LONGITUDE :
	SITE ACCESS
	ACCESS LENGTH : 2300
	CONDITION : Very Good
	SOURCE ACCESS : Haul Road

----- Status/Useage Information -----

LAND TENURE : Territorial	STOCKPILE TYPE : 20 mm CRUSHED GRAVEL
STATUS : Developed	STOCKPILE QUANTITY : 30,000 m3
PAST USE : Borrow & Crushed Gravel	EXCAVATED VOLUME - FOR HIGHWAY :
	- FOR PIPELINE :
DEVELOPMENT - POTENTIAL : Good	PERFORMANCE RATING :Good
- CONSTRAINTS : Permafrost	

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

INVESTIGATION LEVEL : Exploration/Delineation	LAST INVESTIGATION DATE : 1973
GEOPHYSICAL DATA : None	PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair	TESTPITS - NUMBER : 0	TEST HOLE DENSITY : 0.05
BOREHOLES - NUMBER : 5	- DEPTH : n/a	EXPOSURES - NUMBER : 0
- DEPTH : 2.4-7.0-12.2		- DEPTH : n/a

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

GENERIC ORIGIN : Glaciofluvial	LANDFORM : Glac.Fluvial Outw P	TOPOGRAPHY : Gently Rolling
AREA DRAINAGE : Poor		SLOPE : Flat
VEGETATION : Black Spruce, Some Low Alders		
PERMAFROST FEATURES : Visible Ice		
ACTIVE LAYER THICKNESS :		SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL and/or SAND	OVERBURDEN - TYPE : PEAT
- THICKNESS : 2.3-6.1-10.4	- THICKNESS : 0.0-0.6-1.8
	UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	6	SM/SW-GW/GW
MOISTURE CONTENT	24	3-10-25
PARTICLE SIZE ANALYSIS	11	GRAVEL(%) : 19-36-60 SAND(%) : 30-50-70 FINES(%) : 4-14-42
		D-50 : 150-2900-6500 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER	2	n/a
OTHER TESTS : n/a		

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

CLASS 1 : 2,000,000	PROVEN VOLUME :	TOTAL RECOVERABLE : 2,000,000
CLASS 2 :	PROBABLE VOLUME :	ANNUAL RECOVERABLE :
CLASS 3 :	PROSPECTIVE VOLUME :	
CLASS 4 :		
CLASS 5 :		
		TOTAL VOLUME : 2,000,000

SOURCE NUMBER: 0599.0L

NTS MAP REFERENCE : 106N/5

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

LOCAL NAMES : None
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:12200
PLAN DIG. NUMBER :
AREA : 1.0

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-026
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : 10 km West Arctic Red River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 599.0
OFFSET - DIRECTION : L
- DISTANCE : 150

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 545100
NORTHING : 7478450
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : None

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Undeveloped
PAST USE : Undeveloped
DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Permafrost, Restoration Problems

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :n/a

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

INVESTIGATION LEVEL : Delineation Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 5
- DEPTH : 3.0-4.9-9.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 5
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glaciofluvial
AREA DRAINAGE : Poor
VEGETATION :
PERMAFROST FEATURES : Ice Veins
ACTIVE LAYER THICKNESS :

LANDFORM : Kame
TOPOGRAPHY : Gently Rolling
SLOPE : Very Gentle

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly
- THICKNESS : 1.2-2.7-5.9

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.0-0.2-0.6
UNDERBURDEN - TYPE : ICE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	7	9-14-22	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0 FINES(%) : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 40,000
CLASS 4 : 60,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 100,000
ANNUAL RECOVERABLE :
TOTAL VOLUME : 100,000

SOURCE NUMBER: 0609.0L

NTS MAP REFERENCE : 106N/5

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

LOCAL NAMES	: Arctic Red River	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-009
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:12200	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 8		

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

LOCATION : West Side of Arctic Red River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 609.0
OFFSET - DIRECTION : L
- DISTANCE : 100

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 552600
NORTHING : 7480600
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 60
CONDITION : Good
SOURCE ACCESS : Yes

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME	- FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Poor	PERFORMANCE RATING	:Poor to Fair
- CONSTRAINTS	: Permafrost, Nearing Depletion		

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

INVESTIGATION LEVEL : Delineation Drilling
GEOPHYSICAL DATA : None
LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY	: Poor	TEST HOLE DENSITY	: 0.9
BOREHOLES - NUMBER	: 7	EXPOSURES - NUMBER	: 0
- DEPTH : 2.4-6.0-9.1		- DEPTH	: n/a
TESTPITS - NUMBER	: 0		
- DEPTH	: n/a		

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

GENERIC ORIGIN	: Fluvial	LANDFORM	: Gravel Terrace	TOPOGRAPHY	: Dissected
AREA DRAINAGE	: Poor			SLOPE	: Towards River
VEGETATION	: Black Spruce, Alders				
PERMAFROST FEATURES	: Ice Encountered				
ACTIVE LAYER THICKNESS :				SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: GRAVEL-silty	OVERBURDEN - TYPE	: ORGANIC-CLAY
- THICKNESS	: 0.8-1.7-3.1	- THICKNESS	: 0.2-0.6-1.5
		UNDERBURDEN - TYPE	: SHALE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	6	7-11-15	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0 FINES(%) : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :		TOTAL RECOVERABLE	: 100,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 : 100,000	PROBABLE VOLUME :		
CLASS 4 :	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 100,000
CLASS 5 :			

SOURCE NUMBER: 0611.3R

NTS MAP REFERENCE : 106N/5

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

LOCAL NAMES : Arctic Red River
NEW SOURCE NUMBER :
SOURCE CROSS REF. :
SITE PLAN SCALE : 1:12200
PLAN DIG. NUMBER :
AREA : 5

STUDY NUMBER :
ALTER. STUDY NUMBER : DHC-009
STUDY CROSS REF. :
STUDY AREA MAP SCALE: 1:50000
MAP DIGITIZER NUMBER:

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

LOCATION : North Side of Arctic Red River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 611.3
OFFSET - DIRECTION : R
- DISTANCE : 335

SITE ACCESS

ACCESS LENGTH : 335
CONDITION : Good
SOURCE ACCESS : Pit Entrance

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 552900
NORTHING : 7485350
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS :
PAST USE : Borrow & Crush Site
DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost

STOCKPILE TYPE : 20 mm CRUSHED GRAVEL
STOCKPILE QUANTITY : 4500 m3
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :Fair

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1972
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 1
- DEPTH : 6.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 0.2
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Fluvial
AREA DRAINAGE : Poor
VEGETATION : Black Spruce & Poplars
PERMAFROST FEATURES : Visual Ice
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Dissected
SLOPE :

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND over GRAVEL
- THICKNESS : 2.1

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.3
UNDERBURDEN - TYPE : SHALE

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)		
UNIFIED SOIL CLASSIFICATION	0	n/a			
MOISTURE CONTENT	2	6-9			
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0 D-50 : 0	SAND(%) : 0	FINES(%) : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a			
OTHER TESTS : n/a					

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 11,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 11,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 11,000

SOURCE NUMBER: 0670.0L

NTS MAP REFERENCE : 106N/14

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

LOCAL NAMES	: None	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-009
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:12200	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 6		

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

LOCATION	: 60 km North of Arctic Red River	<u>CO-ORDINATES OF DEPOSIT CENTRE</u>	
CORRIDOR - NAME	: Dempster Highway	UTM ZONE	: 8
- NUMBER	: 08	EASTING	: 563500
KILOMETRE POST	: 670.0	NORTHING	: 7538500
OFFSET - DIRECTION	: L	LATITUDE	:
- DISTANCE	: 420	LONGITUDE	:
		<u>SITE ACCESS</u>	
		ACCESS LENGTH	: 0
		CONDITION	: n/a
		SOURCE ACCESS	: None

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	: Undeveloped	STOCKPILE QUANTITY	: n/a
PAST USE	: None	EXCAVATED VOLUME	- FOR HIGHWAY :
			- FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Poor	PERFORMANCE RATING	: n/a
- CONSTRAINTS	: Permafrost, Restoration Problems		

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

INVESTIGATION LEVEL	: Delineation Drilling	LAST INVESTIGATION DATE	: 1971
GEOPHYSICAL DATA	: None	PRIORITY FOR FUTURE STUDY	:

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

DATA QUALITY	: Poor	TEST HOLE DENSITY	: 1.5
BOREHOLES - NUMBER	: 9	EXPOSURES - NUMBER	: 0
- DEPTH	: 3.0-1.5-7.9	- DEPTH	: n/a
TESTPITS - NUMBER	: 0		
- DEPTH	: n/a		

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

GENERIC ORIGIN	: Glacial	LANDFORM	:	TOPOGRAPHY	: Gently Rolling
AREA DRAINAGE	: Poor			SLOPE	: Fairly Flat
VEGETATION	: Black Spruce				
PERMAFROST FEATURES	: Ice Veins				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: SAND and/or GRAVEL	OVERBURDEN - TYPE	: MOSS
- THICKNESS	: 2.4-3.4-4.3	- THICKNESS	: 0.0-0.1-0.2
		UNDERBURDEN - TYPE	: SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	4	7-11-14	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : 0	SAND(%) : 0 FINES(%) : 0
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :		TOTAL RECOVERABLE	: 242,600
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 :	PROBABLE VOLUME :		
CLASS 4 : 242,600	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 242,600
CLASS 5 :			

SOURCE NUMBER: 0672.08

NTS MAP REFERENCE : 106N/14

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-090;DHC-010
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:n/a	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 20	

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

LOCATION : 70 km North of Arctic Red River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 672.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : None

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 564200
NORTHING : 7540800
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Undeveloped
PAST USE : Undeveloped

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Poor
- CONSTRAINTS : Permafrost, Restoration Problems

PERFORMANCE RATING :n/a

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

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 29
- DEPTH : 3-4.3-6.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 1.5
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Fluvial/Glac.Fluvial LANDFORM : Creek Bed
AREA DRAINAGE : Poor
VEGETATION : Black Spruce
PERMAFROST FEATURES : Visible Ice
ACTIVE LAYER THICKNESS :

TOPOGRAPHY : Gently Rolling
SLOPE : Towards Creek

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly
- THICKNESS : 0.7-2.3-5.2

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.0-0.1-0.2
UNDERBURDEN - TYPE : SILT-sandy

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	CL/SC	
MOISTURE CONTENT	28	5-15-32	
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 4-12 D-50 : 0	SAND(%) : 28-50 FINES(%) : 38-68 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 39,600
CLASS 4 : 233,800
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 273,400
ANNUAL RECOVERABLE :

TOTAL VOLUME : 273,400

SOURCE NUMBER: 0680.0L

NTS MAP REFERENCE : 107B/2W

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

LOCAL NAMES	: Unkno	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-011
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:12200	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 1.0		

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

LOCATION : 69.5 km North of Arctic Red River
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 680.0
OFFSET - DIRECTION : B
- DISTANCE : 700

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 562650
NORTHING : 7548350
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 500
CONDITION :
SOURCE ACCESS : Haul Road on Right Side

----- Status/Useage Information -----

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	:	STOCKPILE QUANTITY	: n/a
PAST USE	: Borrow	EXCAVATED VOLUME	- FOR HIGHWAY : - FOR PIPELINE :
DEVELOPMENT - POTENTIAL	: Poor to Fair	PERFORMANCE RATING	:
- CONSTRAINTS	: Permafrost, Very Silty		

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

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY	: Fair	TEST HOLE DENSITY	: 1.5
BOREHOLES - NUMBER	: 5	EXPOSURES - NUMBER	: 0
- DEPTH : 3.0-4.6-6.1		- DEPTH : n/a	
TESTPITS - NUMBER	: 0		
- DEPTH : n/a			

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

GENERIC ORIGIN	: Glacial	LANDFORM	:	TOPOGRAPHY	: Undulating
AREA DRAINAGE	: Poor			SLOPE	:
VEGETATION	: Willows & Poplars some Black Spruce				
PERMAFROST FEATURES	: Black Spruce, Perched Water				
ACTIVE LAYER THICKNESS	:			SITE DESCRIPTION DATE	: 07/15/89

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

GRANULAR - TYPE	: SAND-silty, some gravel	OVERBURDEN - TYPE	: ORGANICS-SILT
- THICKNESS	: 1.1-2.8-5.1	- THICKNESS	: 0.2-0.2-0.2
		UNDERBURDEN - TYPE	: SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	2	SM/SM-SC/SM-SC
MOISTURE CONTENT	6	9-13-17
PARTICLE SIZE ANALYSIS	2	GRAVEL(%) : 7-11-15 SAND(%) : 53-56-58 FINES(%) : 27-34-40 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS	: n/a	

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

CLASS 1 :		TOTAL RECOVERABLE	: 108,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE	:
CLASS 3 :	PROBABLE VOLUME :		
CLASS 4 : 108,000	PROSPECTIVE VOLUME :	TOTAL VOLUME	: 108,000
CLASS 5 :			

NTS MAP REFERENCE : 107B/2E

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

LOCAL NAMES	: Caribou Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-011
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 100		

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

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LOCATION : Caribou Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 690.0
OFFSET - DIRECTION : R
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

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UTM_ZONE      : 8
EASTING       : 563000
NORTHING      : 7553300
LATITUDE      :
LONGITUDE     :

```

SITE ACCESS

```

ACCESS LENGTH : 0
CONDITION :
SOURCE ACCESS : None

```

```
----- Status/Useage Information -----
```

LAND TENURE	: Territorial	STOCKPILE TYPE	: None
STATUS	: Undeveloped	STOCKPILE QUANTITY	: n/a
PAST USE	: Undeveloped	EXCAVATED VOLUME - FOR HIGHWAY	:
		- FOR PIPELINE	:
DEVELOPMENT - POTENTIAL	: Poor to Fair	PERFORMANCE RATING	: n/a
- CONSTRAINTS	: Permafrost, Restoration Problems		

===== PART 8:SOURCE INVESTIGATION AND DESCRIPTION =====

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

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

DATA QUALITY	: Poor to Fair	TEST HOLE DENSITY	: 0.1
BOREHOLES - NUMBER	: 9	TESTPITS - NUMBER	: 0
- DEPTH	: 2.7-5.2-9.1	- DEPTH	: n/a
		EXPOSURES - NUMBER	: 0
		- DEPTH	: n/a

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

GENERIC ORIGIN : Glaciofluvial LANDFORM : Cr. Bed-Gravel Bench TOPOGRAPHY : Undulating
 AREA DRAINAGE : Poor SLOPE : Gentle to Creek
 VEGETATION : Spruce, Poplars, Alders
 PERMAFROST FEATURES : Black Spruce in Area
 ACTIVE LAYER THICKNESS :
 SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE	: SAND-silty, some gravel	OVERBURDEN - TYPE	: SILT AND ORGANICS
- THICKNESS	: 0.6-3.2-6.5	- THICKNESS	: 0.2-0.8-2.7
		UNDERBURDEN - TYPE	: SILT-sandy

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

<u>TEST NAME</u>	<u>TESTS PERFORMED</u>	<u>TEST RESULTS</u>	<u>(MINIMUM/AVERAGE/MAXIMUM)</u>
UNIFIED SOIL CLASSIFICATION	5	SC/GP-GM	
MOISTURE CONTENT	13	7-12-24	
PARTICLE SIZE ANALYSIS	5	GRAVEL(%) : 4-17-40	SAND(%) : 34-53-69 FINES(%) : 29-39-50
		D-50 : 0	OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :		TOTAL RECOVERABLE :	222,000
CLASS 2 :	PROVEN VOLUME :	ANNUAL RECOVERABLE :	
CLASS 3 : 83,000	PROBABLE VOLUME :		
CLASS 4 : 139,000	PROSPECTIVE VOLUME :	TOTAL VOLUME :	222,000
CLASS 5 :			

SOURCE NUMBER: 0706.0B

NTS MAP REFERENCE : 107B/2E

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

LOCAL NAMES :	STUDY NUMBER :
NEW SOURCE NUMBER :	ALTER. STUDY NUMBER : DHC-011
SOURCE CROSS REF. :	STUDY CROSS REF. :
SITE PLAN SCALE : 1:12200	STUDY AREA MAP SCALE: 1:50000
PLAN DIG. NUMBER :	MAP DIGITIZER NUMBER:
AREA : 20	

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

LOCATION : 16 km North of Caribou Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 706.0
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 100
CONDITION : Good
SOURCE ACCESS : Pit Entrance at km 699 and 706

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 566600
NORTHING : 7567200
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : 2 Pits Developed
PAST USE : Borrow
DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 34
- DEPTH : 2.4-4.6-9.1

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 1.7
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glaciofluvial
AREA DRAINAGE : Poor
VEGETATION : Poplars, Spruce, Grass
PERMAFROST FEATURES : Perched Water in Existing Pits
ACTIVE LAYER THICKNESS :

LANDFORM :
TOPOGRAPHY : Gently Rolling
SLOPE : Gentle to the West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-gravelly
- THICKNESS : 1.0-2.7-8.6

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.2-0.2-0.6
UNDERBURDEN - TYPE : ICE,SILT AND SILTY SAND

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	47	SC/SM/GM-GP/GW-GM
MOISTURE CONTENT	59	5-14-34
PARTICLE SIZE ANALYSIS	56	GRAVEL(%) : 2-20-53 SAND(%) : 34-54-76 FINES(%) : 7-26-58 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 : 15,000
CLASS 3 : 52,500
CLASS 4 : 172,000
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 712,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 712,000

SOURCE NUMBER: 0712.4B

NTS MAP REFERENCE : 107B/7

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

LOCAL NAMES	: Cabin Creek Area	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-011
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 0		

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

LOCATION : Southwest of Cabin Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 712.4
OFFSET - DIRECTION : R
- DISTANCE :

SITE ACCESS
ACCESS LENGTH : 200
CONDITION : Good
SOURCE ACCESS : Pit Entrance at 711.5 on Right Side

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 571200
NORTHING : 7572000
LATITUDE :
LONGITUDE :

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Some Devel. in Area
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Fair to Good
- CONSTRAINTS : Permafrost

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Exploration/Delineation
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Fair
BOREHOLES - NUMBER : 19
- DEPTH : 1.5-4.3-9.1

TESTPITS - NUMBER : 1
- DEPTH : 1.2

TEST HOLE DENSITY : 1
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glacial/Glac.fluvial LANDFORM : Kames
AREA DRAINAGE : Poor to Good
VEGETATION : Black Spruce
PERMAFROST FEATURES : Perched Water in Pit, Black Spruce
ACTIVE LAYER THICKNESS :

TOPOGRAPHY : Hummocky
SLOPE : Gentle to the West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND-silty, some gravel
- THICKNESS : 1.0-2.3-5.9

OVERBURDEN - TYPE : ORGANICS AND SILT
- THICKNESS : 0.0-0.5-3.0
UNDERBURDEN - TYPE : SILT, CLAY

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

TEST NAME	TESTS PERFORMED	TEST RESULTS (MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	19	SC/SM/SW-SM/SP/SW
MOISTURE CONTENT	35	3-14-25
PARTICLE SIZE ANALYSIS	21	GRAVEL(%) : 1-17-34 SAND(%) : 33-63-69 FINES(%) : 2-36-53 D-50 : 0 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a
OTHER TESTS : n/a		

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 156,000
CLASS 4 : 361,600
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 517,600
ANNUAL RECOVERABLE :

TOTAL VOLUME : 517,600

SOURCE NUMBER: 0715.4L

NTS MAP REFERENCE : 107B/7

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

LOCAL NAMES	: Campbell Creek	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: DHC-011
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:12200	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 0		

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

LOCATION : Campbell Creek
CORRIDOR - NAME : Dempster Highway
- NUMBER : 08
KILOMETRE POST : 715.4
OFFSET - DIRECTION : L
- DISTANCE : 1000

----- CO-ORDINATES OF DEPOSIT CENTRE -----

UTM ZONE : 8
EASTING : 572700
NORTHING : 7576750
LATITUDE :
LONGITUDE :

----- SITE ACCESS -----

ACCESS LENGTH : 0
CONDITION : n/a
SOURCE ACCESS : None

----- Status/Useage Information -----

LAND TENURE : Territorial
STATUS : Undeveloped
PAST USE : Undeveloped

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :
PERFORMANCE RATING :n/a

DEVELOPMENT - POTENTIAL : Fair
- CONSTRAINTS : Permafrost

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

INVESTIGATION LEVEL : Exploration Drilling
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1971
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 1
- DEPTH : 1.4

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 0
EXPOSURES - NUMBER : 0
- DEPTH : n/a

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

GENERIC ORIGIN : Glaciofluvial
AREA DRAINAGE : Fair to Poor
VEGETATION : Black Spruce, Moss
PERMAFROST FEATURES : Black Spruce
ACTIVE LAYER THICKNESS :

LANDFORM :

TOPOGRAPHY : Undulating
SLOPE : Gentle to the West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : GRAVEL-sandy
- THICKNESS : 1.2

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.2
UNDERBURDEN - TYPE :

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	1	GW-GM	
MOISTURE CONTENT	1	6	
PARTICLE SIZE ANALYSIS	1	GRAVEL(%) : 60 D-50 : 0	SAND(%) : 32 FINES(%) : 8 OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS	: n/a		

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 10,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 10,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 10,000

SOURCE NUMBER: 0735.0R

NTS MAP REFERENCE : 107B/7

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

LOCAL NAMES	: Inuvik Dump	STUDY NUMBER	:
NEW SOURCE NUMBER	:	ALTER. STUDY NUMBER	: n/a
SOURCE CROSS REF.	:	STUDY CROSS REF.	:
SITE PLAN SCALE	: 1:n/a	STUDY AREA MAP SCALE	: 1:50000
PLAN DIG. NUMBER	:	MAP DIGITIZER NUMBER	:
AREA	: 5		

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

LOCATION : Inuvik Dump
CORRIDOR - NAME : Dempster
- NUMBER : 08
KILOMETRE POST : 735.0
OFFSET - DIRECTION : R
- DISTANCE :

CO-ORDINATES OF DEPOSIT CENTRE

UTM ZONE : 8
EASTING : 552750
NORTHING : 7583500
LATITUDE :
LONGITUDE :

SITE ACCESS

ACCESS LENGTH : 400
CONDITION : Good
SOURCE ACCESS : Haul Road

----- Status/Useage Information -----

LAND TENURE : Commissioner's Land
STATUS : Developed
PAST USE : Borrow

STOCKPILE TYPE : None
STOCKPILE QUANTITY : n/a
EXCAVATED VOLUME - FOR HIGHWAY :
- FOR PIPELINE :

DEVELOPMENT - POTENTIAL : Good
- CONSTRAINTS : Permafrost

PERFORMANCE RATING :

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

INVESTIGATION LEVEL : Reconnaissance
GEOPHYSICAL DATA : None

LAST INVESTIGATION DATE : 1989
PRIORITY FOR FUTURE STUDY :

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

DATA QUALITY : Poor
BOREHOLES - NUMBER : 0
- DEPTH : n/a

TESTPITS - NUMBER : 0
- DEPTH : n/a

TEST HOLE DENSITY : 0
EXPOSURES - NUMBER : 1
- DEPTH : 6.0

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

GENERIC ORIGIN : Glaciofluvial
AREA DRAINAGE : Poor
VEGETATION : Black Spruce
PERMAFROST FEATURES : Perched Water
ACTIVE LAYER THICKNESS :

LANDFORM : Gravel Bench

TOPOGRAPHY : Hummocky
SLOPE : Moderate to West

SITE DESCRIPTION DATE : 07/15/89

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

GRANULAR - TYPE : SAND & GRAVEL-silty
- THICKNESS : 4.0

OVERBURDEN - TYPE : ORGANICS
- THICKNESS : 0.6-2.0
UNDERBURDEN - TYPE : SILT

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

TEST NAME	TESTS PERFORMED	TEST RESULTS	(MINIMUM/AVERAGE/MAXIMUM)
UNIFIED SOIL CLASSIFICATION	0	n/a	
MOISTURE CONTENT	0	n/a	
PARTICLE SIZE ANALYSIS	0	GRAVEL(%) : n/a D-50 : 0	SAND(%) : n/a FINES(%) : n/a OVERSIZE(%) : 0
PETROGRAPHIC NUMBER		n/a	
OTHER TESTS : n/a			

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

CLASS 1 :
CLASS 2 :
CLASS 3 : 30,000
CLASS 4 :
CLASS 5 :

PROVEN VOLUME :
PROBABLE VOLUME :
PROSPECTIVE VOLUME :

TOTAL RECOVERABLE : 30,000
ANNUAL RECOVERABLE :

TOTAL VOLUME : 30,000