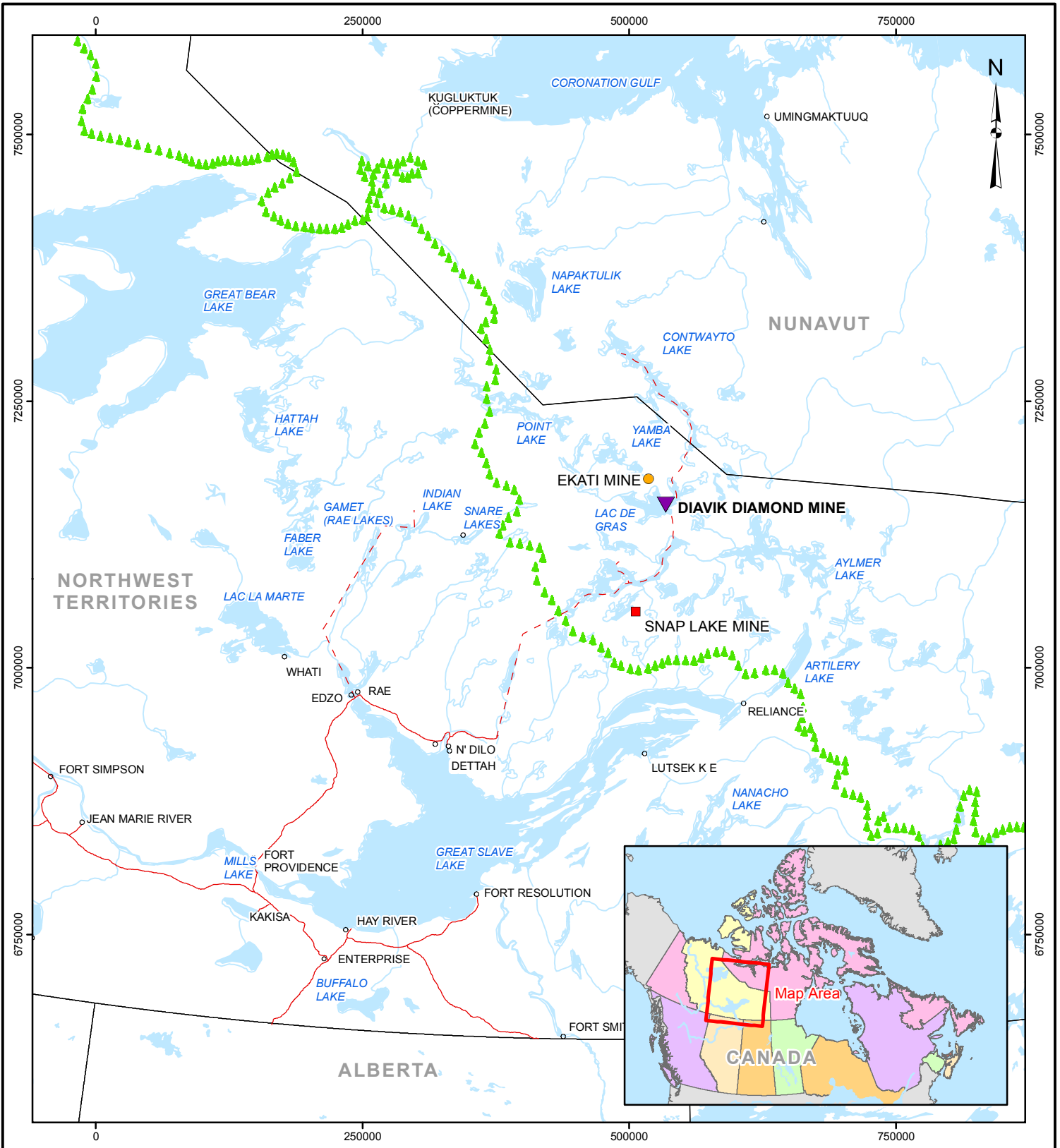


FIGURE ANNEX

- 2-1 Location Of Diavik Diamond Mine
 - 2-2 Site Map
 - 3-1 Average Monthly Temperature Recorded at the Meteorological Stations Between 1999 and 2005
 - 3-2 Minimum Monthly Temperature Recorded at the Meteorological Stations Between 1999 and 2005
 - 3-3 Maximum Monthly Temperature Recorded at the Meteorological Stations Between 1999 and 2005
 - 3-4 Lac de Gras Watershed
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 - 3-5b Surficial Geology Map Legend
 - 3-6 Bedrock Geology
 - 3-7 Surrounding Major Mines and Exploration Camps
 - 3-8 Lac de Gras Drainage Basin Map
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 - 3-18 Ecozones
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 - 3-20 Caribou Annual Ranges
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 - 3-25 Wolf Den Sites
 - 3-26 Archaeological Sites and Mine Footprints
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 - 4-2 Conceptual Water Management System
 - 4-3 Potential Contaminated Areas
 - 5-1 Area Designations for Closure Planning
 - 5-2 Open-Pit, Underground and Dike Areas – Site Development
 - 5-3 Fish Habitat Design - A154/A418 Dike Areas
 - 5-4 Preferred Final Open-Pit, Underground and Dike Area Landscape
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 - 5-13 Preferred Final PKC Landscape
 - 5-14 Preferred Final PKC Design Concept
 - 5-15 Closure Activity Schedule - Processed Kimberlite Containment Area
 - 5-16 North Inlet Area - Site Development
 - 5-17 Preferred Final North Inlet Landscape
-

- 5-18 Closure Activity Schedule – North Inlet Area
 - 5-19 Mine Infrastructure Areas – Site Development
 - 5-20 Preferred Final Mine Infrastructure Landscape
 - 5-21 Stream Drainage Reclamation Typical Section
 - 5-22 Closure Activity Schedule Mine Infrastructure Area
 - 8-1 Integrated Schedule of Activities Permanent Closure
 - 9-1 Regional/Cumulative Study Areas
 - 9-2 Local Study Area
 - 9-3 Effects Classification Flow Chart
 - 9-4 DDMI Vegetation Land Cover Within the Local Study Area and Maximum Mine Operation (Year 2018)
-

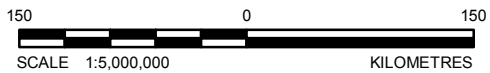


LEGEND

- COMMUNITY
- ▼ DIAVIK DIAMOND MINE
- EKATI MINE
- SNAP LAKE MINE
- ALL WEATHER ROADS
- ▲ TREELINE
- WATERCOURSE
- - - WINTER ROADS
- ▭ PROVINCIAL BOUNDARY
- WATERBODY

REFERENCE

Projection: UTM Zone 12 Datum: NAD 83

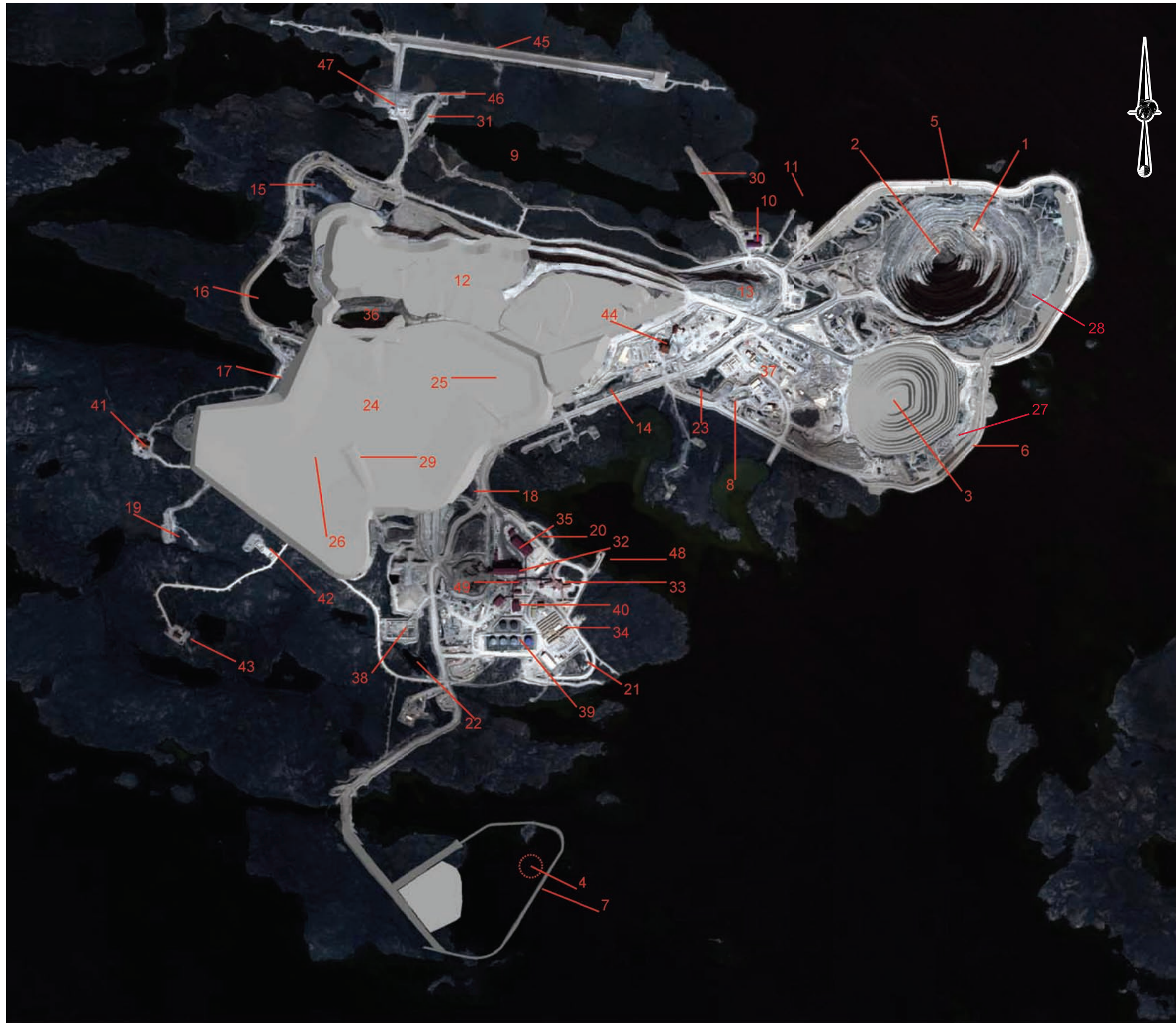


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DESIGN	TD 18 Nov. 2009	FIGURE: 2-1	
GIS	CW 24 Nov. 2009		
CHECK	TD 24 Nov. 2009		
REVIEW	GM 24 Nov. 2009		



I:\2009\09-1328\09-1328-0021\Mappping\MXD\2009\AE\MP\Update\09-1328-0021 Fig 2-1 Location of Diavik Diamond Mine.mxd

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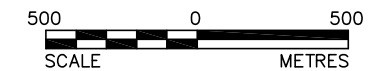


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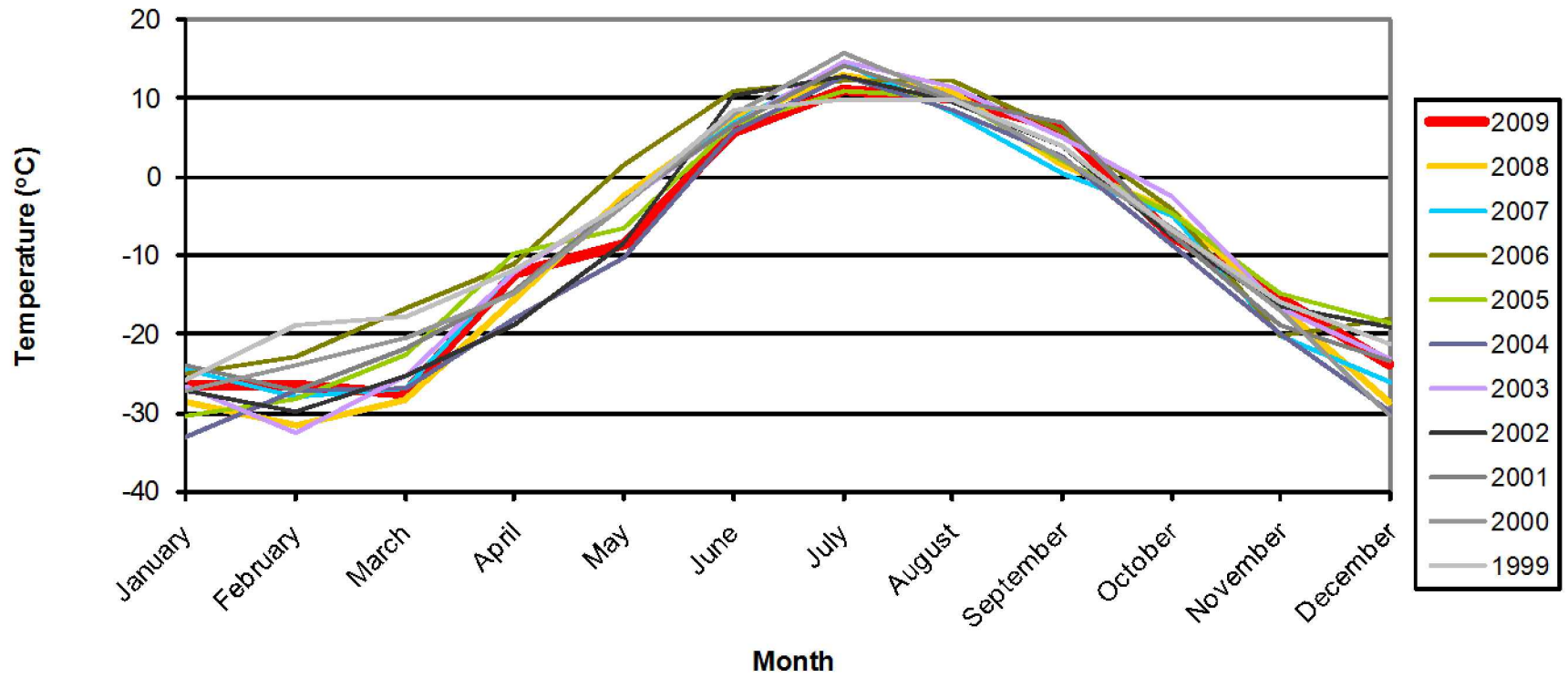
1	A154N Kimberlite
2	A154S Kimberlite
3	A418 Kimberlite
4	A21 Kimberlite
5	A154 Dike
6	A418 Dike
7	Sediment Control Structure
8	Underground Portal
9	North Inlet
10	North Inlet Water Treatment Plant
11	Submerged Discharge Line
12	Wasterock Area
13	Till Area
14	Pond 1
15	Pond 2
16	Pond 3
17	Pond 4
18	Pond 5
19	Pond 7
20	Pond 10
21	Pond 11
22	Pond 12
23	Pond 13
24	Processed Kimberlite Containment Area
25	Coarse Processed Kimberlite Area
26	Fine Processed Kimberlite Area
27	A418 Fish Habitat
28	A154 Fish Habitat
29	South Barge Access Road
30	North Inlet East Dam
31	North Inlet West Dam
32	Process Plant
33	Accomodation Complex
34	South Camp
35	Maintenance Complex
36	Inert Landfill
37	North Construction Area
38	Waste Transfer Area
39	Fuel Storage
40	Power Plants
41	Amminium Nitrate Storage
42	Caps/Explosives Storage
43	Emulsion Plant
44	Paste Plant and Crusher
45	Airstrip
46	Helipad
47	Terminal Building
48	Raw Water Intake
49	Sewage Treatment Plant

REFERENCE

IMAGE PROVIDED BY DDML.

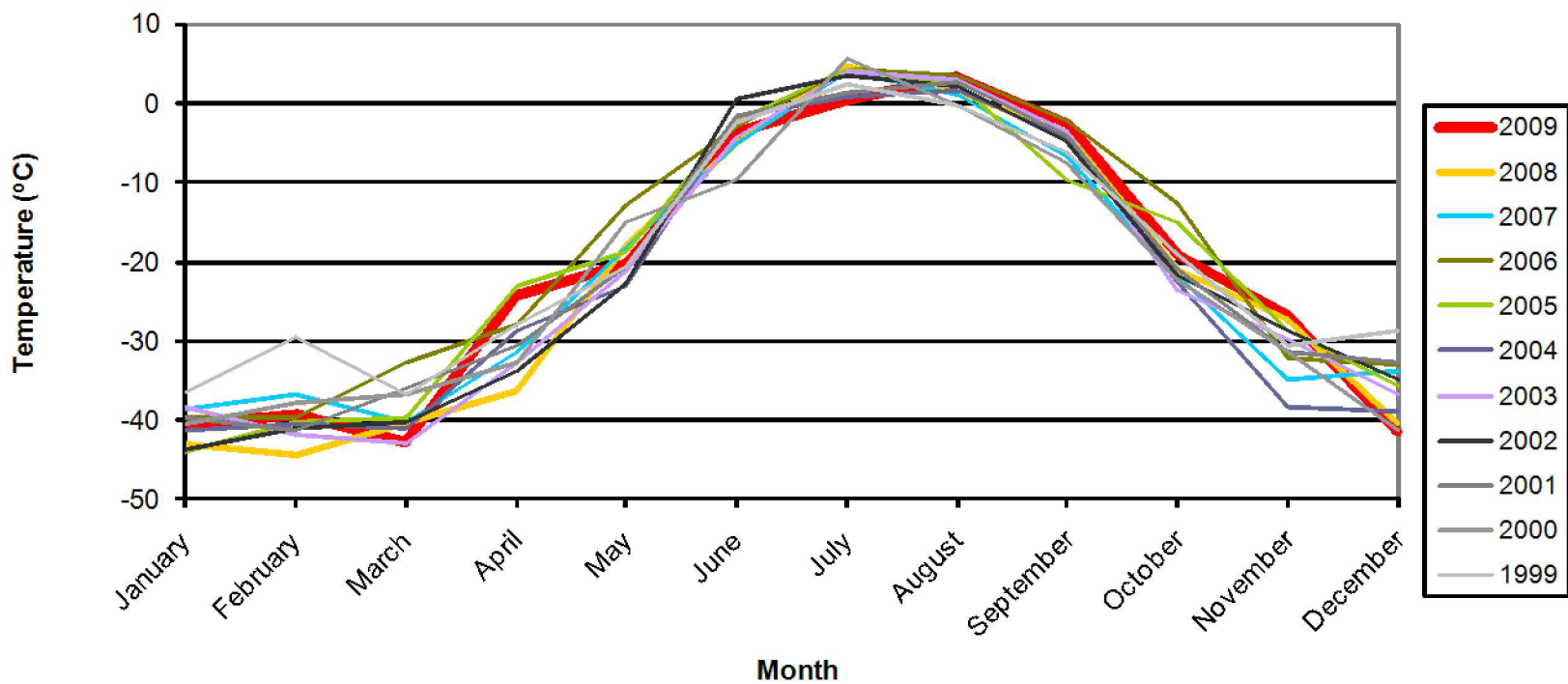


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	CHECK	TD	13/12/10	FIGURE: 2-2	
	REVIEW	GM	13/12/10		



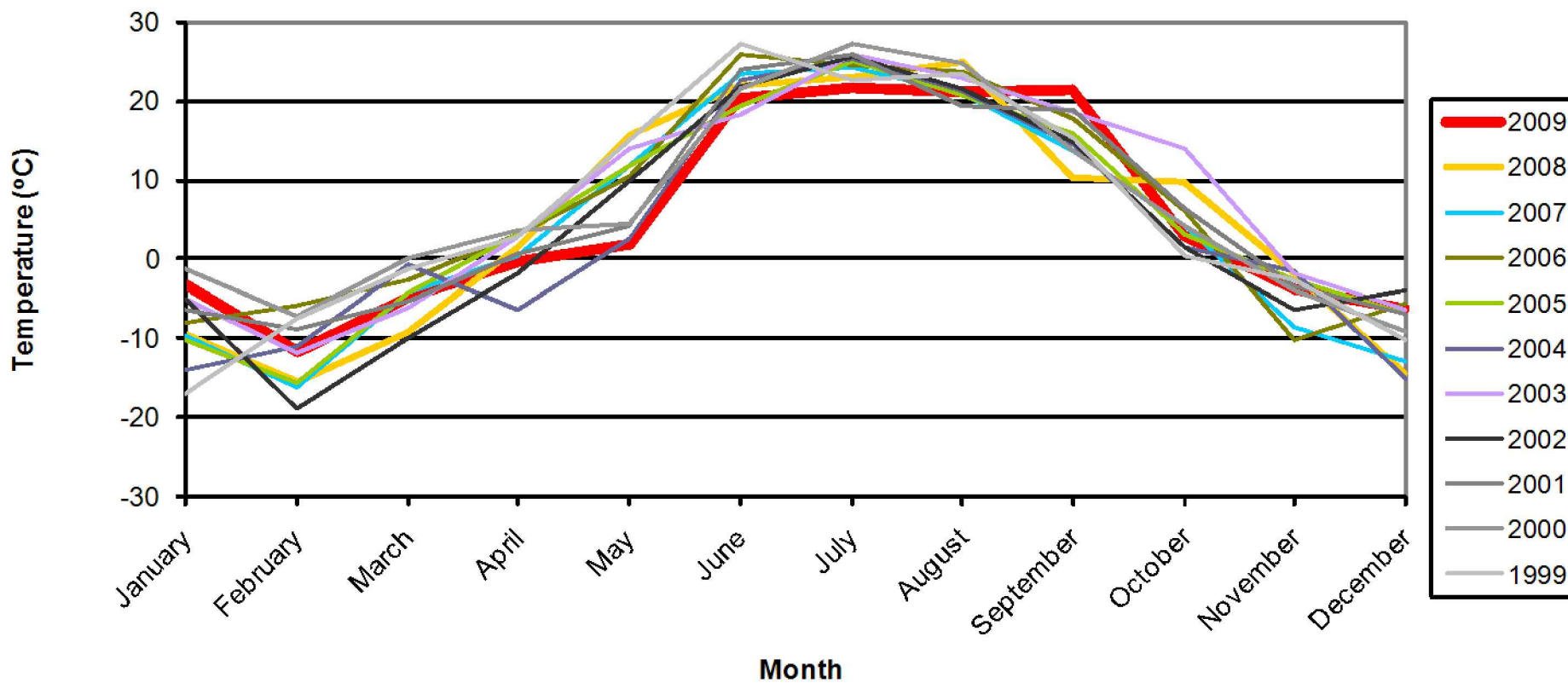
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TITLE					AVERAGE MONTHLY TEMPERATURE RECORDED AT THE METEOROLOGICAL STATIONS BETWEEN 1999 AND 2009				
PROJECT No.			09.1328.0021		FILE No.			0913280021C002	
DESIGN	TD	25/11/09		SCALE	N.T.S.		REV.	0	
CADD	JEF	25/11/09		FIGURE 3-1					
CHECK	TD	13/12/10							
REVIEW	GM	13/12/10							





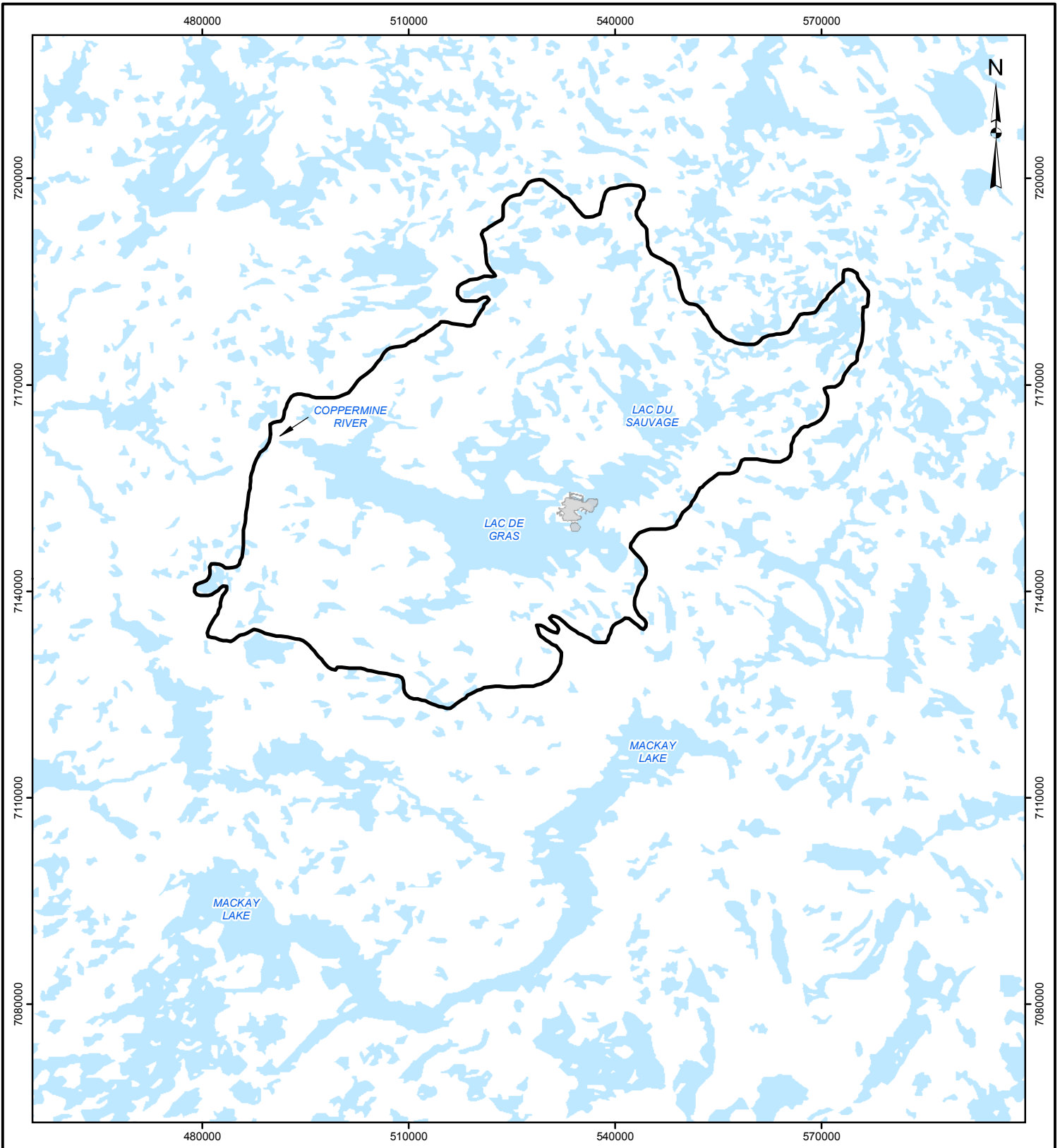
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TITLE					MINIMUM MONTHLY TEMPERATURE RECORDED AT THE METEOROLOGICAL STATIONS BETWEEN 1999 AND 2009				
PROJECT No.			09.1328.0021		FILE No.			0913280021C003	
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CADD	JEF	25/11/10		FIGURE 3-2					
CHECK	TD	13/12/10							
REVIEW	GM	13/12/10							








PROJECT					DIAVIK DIAMOND MINES NORTHWEST TERRITORIES				
TITLE					MAXIMUM MONTHLY TEMPERATURE RECORDED AT THE METEOROLOGICAL STATIONS BETWEEN 1999 AND 2009				
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CADD	JEF	25/11/10		FIGURE 3-3					
CHECK	TD	13/12/10							
REVIEW	GM	13/12/10							





LEGEND

-  DIAVIK FOOTPRINT
-  DIAVIK REGIONAL STUDY AREA FISH AND WATER
-  WATERBODY



REFERENCE

Projection: UTM Zone 12 Datum: NAD 83

PROJECT
**DIAVIK DIAMOND MINES
 NORTHWEST TERRITORIES**

TITLE
LAC DE GRAS WATERSHED



PROJECT No. 09-1328-0021		SCALE AS SHOWN	REV. 0
DESIGN	TD	18 Nov. 2009	FIGURE: 3-4
GIS	RL	19 Nov. 2009	
CHECK	TD	24 Nov. 2009	
REVIEW	GM	24 Nov. 2009	

I:\2009\09-1328\09-1328-0021\Mapping\MXD\2009AE\MP\Update\09-1328-0021 Fig 3-4 Lac de Gras Watershed.mxd



REFERENCE

Hoffman, P. 1993: Geology, Slave craton and environs, District of Mackenzie, Northwest Territories; Geological Survey of Canada, Open file 2559, scale 1:1,000,000
 Projection: Lambert Conformal Conic

PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		SURFICIAL GEOLOGY MAP	
PROJECT No. 09-1328-0021		SCALE AS SHOWN	REV. 0
DESIGN	TD	18 Nov. 2009	FIGURE: 3-5a
GIS	RL	19 Nov. 2009	
CHECK	TD	24 Nov. 2009	
REVIEW	GM	24 Nov. 2009	



I:\2009\09-1328\09-1328-0021\Mapping\MXD\2009AEMPUpdate\09-1328-0021 Fig 3-5a Surficial Geology Map.mxd

LEGEND

Neoproterozoic

- 0.72 Ga:
N2 Franklin sills in Coppermine homocline: gabbro, diabase
- 0.76 Ga:
N1 Hottah sheets in Wopmay orogen: gabbro, diabase

Neoproterozoic and/or Mesoproterozoic

- NM** Rae Group in Coppermine homocline: sandstone, siltstone, dolomite, shale; includes undifferentiated Franklin sills

Mesoproterozoic

- M6** Husky Creek Formation in Coppermine homocline; Algak Formation in Bathurst Inlet and Kent Peninsula: red sandstone, siltstone, minor basalt
- 1.27 Ga:
M5 Copper Creek Formation in Coppermine homocline; Ekialua Formation in Bathurst Inlet and Kent Peninsula: plateau basalt, minor gabbro
- 1.27 Ga:
M4 Fortress cone sheets in Great Slave Lake; unnamed sills in Wopmay orogen and Coppermine homocline: gabbro, diabase
- 1.27 Ga:
M3 Muskox intrusion in Wopmay orogen: serpentinized dunite and peridotite, pyroxenite, gabbro, picritic border phase and feeder dyke, hybrid upper border phase
- M2** Kendall River, Sulky and Greenhorn Lakes formations (Dismal Lakes Group) in Coppermine homocline; Parry Bay and Kanuyak formations in Bathurst Inlet and Kent Peninsula; Lookout Point Formation in Thelon basin: dolomite
- M1** LeRoux, Fort Confidence and Dease Lake formations (Dismal Lakes Group) in Coppermine homocline: sandstone, shale, dolomite

Mesoproterozoic and/or Paleoproterozoic

- MP** Western Channel sheets in Coppermine homocline: diabase, gabbro

Paleoproterozoic

- 1.66 Ga:
P24 Nerakay volcanic complex (Hornby Bay Group) in Coppermine homocline: mafic and felsic tuffs, flows and plugs, sandstone, shale, dolomite
- P23** Kaertok Formation (Hornby Bay Group) in Coppermine homocline: sandstone, mudstone, dolomite
- P22** East River Formation (Hornby Bay Group) in Coppermine homocline: dolomite, minor quartzite, mudstone
- P21** Lady Mye Formation (Hornby Bay Group) in Coppermine homocline; Ellise Formation in Bathurst Inlet and Kent Peninsula; Thelon Formation in Thelon basin: sandstone, conglomerate, siltstone, dolomite
- P20** Bigbear and Fault River formations (Hornby Bay Group) in Coppermine homocline and Wopmay orogen: sandstone, conglomerate
- P19** Tinney Cove Formation in Bathurst Inlet; Et-then Group in Great Slave Lake: conglomerate, sandstone
- 1.87 - 1.84 Ga:
P18 Great Bear and Bishop intrusive suites in Wopmay orogen; Compton laccolite in Great Slave Lake: magnetite-series granite, granodiorite, quartz, monzonite, quartz diorite, diorite
- 1.87 - 1.86 Ga:
P17 MacTavish Supergroup in Wopmay orogen: rhyolite, rhyodacite, dacite, andesite, basalt, gabbro, intrusive felsic porphyry, sandstone, conglomerate, siltstone
- 1.89 - 1.87 Ga:
P16 Hepburn intrusive suite in Wopmay orogen; Butte Island intrusive suite in Great Slave Lake: ilmenite-series granite, granodiorite, tonalite, quartz diorite, diorite, hornblende, norite, peridotite
- P15** Morel sills in Wopmay orogen and Kilohigok basin: gabbro, diabase
- P14** Takivuk Formation in Wopmay orogen; Brown Sound and Amagok formations in Kilohigok basin; Christie Bay Group in Great Slave Lake: red sandstone, siltstone, limestone, dolomite, basalt, halokinetin(?) megabreccia
- 1.88 Ga:
P13 Recluse Group in Wopmay orogen; Peacock Hills and Kuuvik formations in Kilohigok basin; Kahochella and Petfiel groups in Great Slave Lake: greywacke, argillite, concretionary argillite, argillaceous limestone, limestone, dolomite, basalt
- 1.90 - 1.89 Ga:
P12 Akaitcho, Grant and lower Bell Island Bay groups of Hottah terrane in Wopmay orogen: basalt, gabbro, rhyolite, intrusive porphyry, arkose, pelite, marble
- P11** upper Nonacho Group (Thekulthul and Taltson formations) in Churchill hinterland: conglomerate, arkose
- P10** middle Nonacho Group (Chief Netaway and Newshefdezza formations) in Churchill hinterland: siltstone, arkose
- P9** lower Nonacho Group (Hjalmer and Tranka Chua formations) in Churchill hinterland: conglomerate, arkose

- 1.97 - 1.89 Ga:
P8 Epworth Group in Wopmay orogen; Bear Creek Group in Kilohigok basin; Wilson Island and Sosa groups in Great Slave Lake: arkose, quartzite, siltstone, argillaceous dolomite, dolomite, basalt, rhyolite
- 1.94 - 1.91 Ga:
P7 Taltson-Thelon magmatic zone: ilmenite-series granite
- 1.89 - 1.91 Ga:
P6 Taltson-Thelon magmatic zone: magnetite-series granite, charnockite, granodiorite, tonalite, andesite, quartz diorite, diorite, gabbro
- P5** Kimerot Group in Kilohigok basin: quartzite, dolomite
- P4** Union Island Group in Great Slave Lake: dolomite, shale, siltstone, basalt, quartzite, conglomerate
- 2.02 Ga:
P3 Melville Group in Wopmay orogen: basalt, gabbro, dolomite, argillite, siltstone, arkose, conglomerate
- P2** Snare Group in Wopmay orogen (equivalent to Melville, Epworth and/or Grant groups): quartzite, siltstone, pelite, dolomite, basalt
- 2.19 - 2.02 Ga:
P1 Big Spruce, Blachford and Booth River intrusive suites in Slave craton: alkaline, peralkaline and subalkaline granite, quartz syenite, diorite, gabbro, foyaitite, ijofite, carbonatite

Paleoproterozoic and/or Archean

- PA7** intrusive suites of Hottah terrane (conjectural south of latitude 65° N) in Wopmay orogen: granite, granodiorite, tonalite, quartz diorite, amphibolite
- PA6** Holly Lake metamorphic suite of Hottah terrane in Wopmay orogen: quartzite, siltstone, pelite, mafic and intermediate volcanic rocks, amphibolite
- PA5** underaturated intrusive suites in Churchill hinterland: nepheline syenite, syenite
- PA4** felsic intrusive suites in Churchill hinterland: granite, granodiorite, quartz diorite
- PA3** mafic intrusive suites in Churchill hinterland: gabbro, diorite, peridotite
- PA2** metamorphic suites in Churchill hinterland: paragneiss, quartzite, marble, amphibolite, iron-formation
- PA1** gneiss complexes in Churchill hinterland: granitic, granodioritic, tonalitic and dioritic orthogneisses, in part hypersthene-bearing, minor paragneiss, mafic and ultramafic enclaves

Archean



- A11** undifferentiated granitoids in Slave craton and deformed equivalents in Wopmay orogen: granite, granodiorite, tonalite, quartz diorite, diorite, gabbro
- 2.61 - 2.66 Ga:
A10 undeformed granitoids in Slave craton: granite, granodiorite, tonalite
- 2.63 - 2.59 Ga:
A9 deformed granitoids in Slave craton younger than Yellowknife volcanics: tonalite, granodiorite, granite, quartz diorite, diorite, gabbro
- A8** undifferentiated gneiss complexes in Slave craton: paragneiss, orthogneiss, includes possible pre-Yellowknife Supergroup rocks
- A7** Yellowknife Supergroup in Slave craton: greywacke, pelite; minor quartzite, conglomerate, iron-formation, marble, volcanics; metamorphic equivalents; includes minor pre-Yellowknife Supergroup metasedimentary rocks
- 2.69 - 2.66 Ga:
A6 deformed granitoids in Slave craton coeval with Yellowknife volcanics: tonalite, granodiorite, quartz diorite, diorite, gabbro, anorthosite
- 2.69 - 2.66 Ga:
A5 Yellowknife Supergroup in Slave craton: mainly rhyodacite and rhyolitic volcanic and related intrusive rocks, derived sediments; minor basalt, andesite, dacite; metamorphic equivalents
- A4** Yellowknife Supergroup in Slave craton: mainly andesite and dacite volcanic and related intrusive rocks, derived sediments; minor basalt, rhyodacite, rhyolite; metamorphic equivalents
- 2.71 - 2.68 Ga:
A3 Yellowknife Supergroup in Slave craton: mainly basaltic volcanic and related intrusive rocks; minor andesite, rhyodacite, rhyolite; metamorphic equivalents; includes minor pre-Yellowknife Supergroup metavolcanic rocks
- 3.2 - 2.8 Ga:
A2 Point Lake and Sleepy Dragon gneiss complexes in Slave craton: granitic, granodioritic, tonalitic and dioritic orthogneiss, minor paragneiss, mafic and ultramafic enclaves
- 4.0 - 3.4 Ga:
A1 Acasta gneiss complex in Slave craton: granitic, granodioritic, tonalitic and dioritic orthogneiss, minor paragneiss, mafic and ultramafic enclaves

- Geological boundary, defined
- Fault, (unknown type)
- Fault, (transcurrent, arrows indicate relative movement)
- Fault (normal displacement)
- Thrust fault, (teeth in direction of dip)

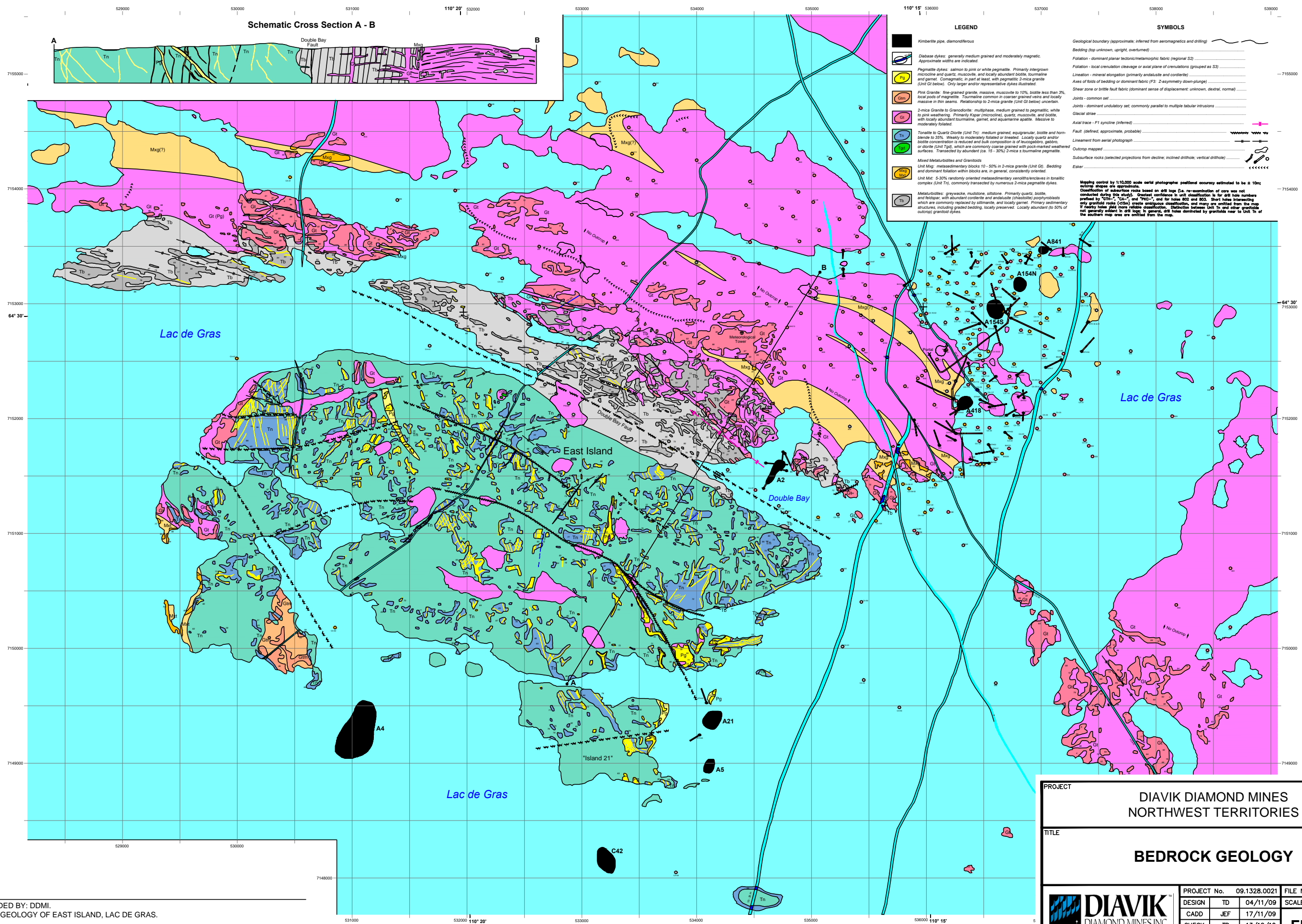
I:\2009\09-1328\09-1328-0021\Mapping\MXD\2009AEMPUpdate\09-1328-0021 Fig 3-5b Surficial Geology Map Legend.mxd

REFERENCE

Hoffman, P. 1993: Geology, Slave craton and environs, District of Mackenzie, Northwest Territories; Geological Survey of Canada, Open file 2559, scale 1:1,000,000
Projection: Lambert Conformal Conic

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	CHECK	TD 24 Nov. 2009	
REVIEW	GM 24 Nov. 2009		
REV. 0			

L:\2009\1328 Yknife\09-1328-0021\11000\Report C 11100\Fig 3-6 0913280021C005 Bedrock Geology.dwg Dec 15, 2010 - 9:35am



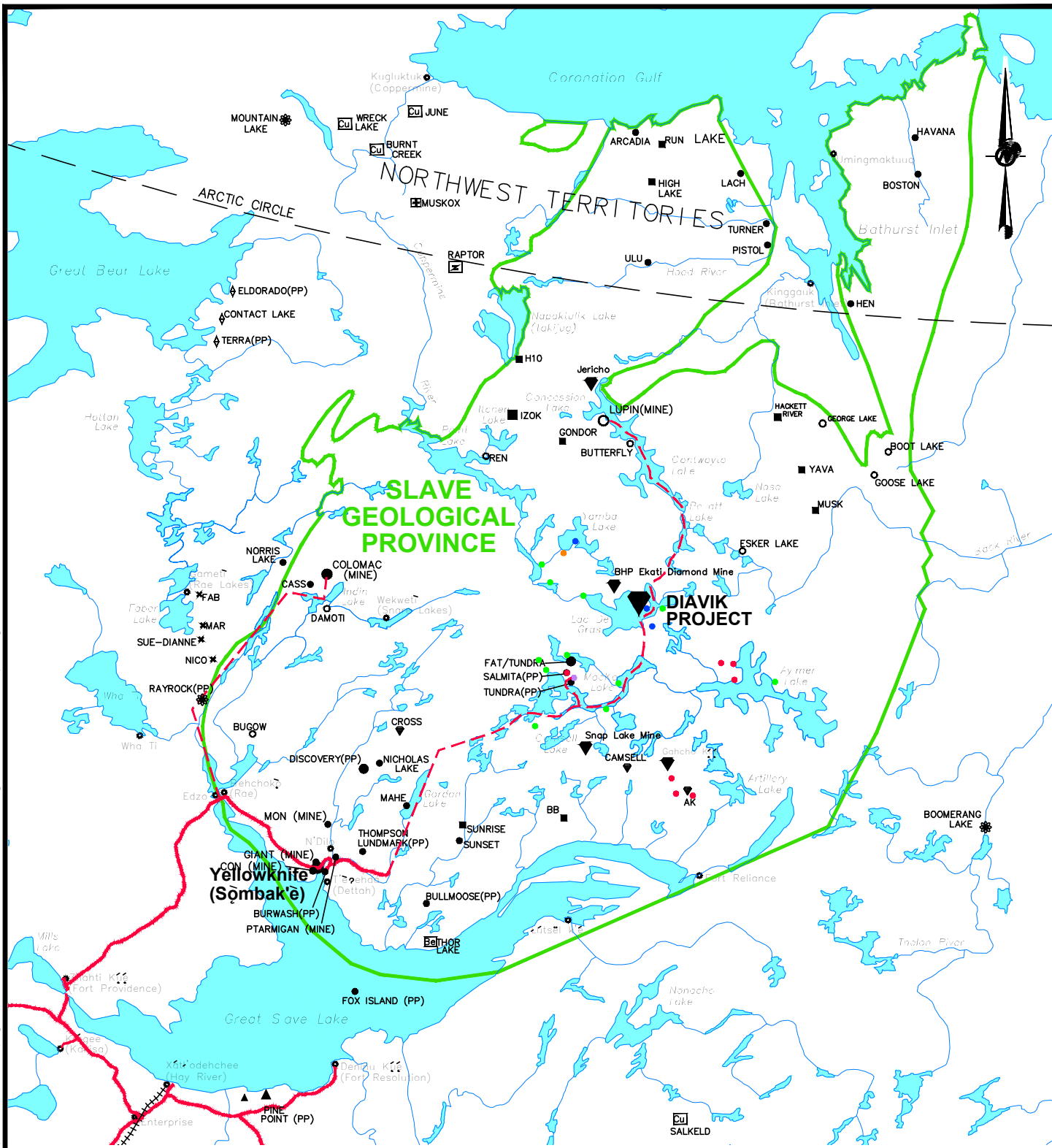
REFERENCE
 BASE PLAN PROVIDED BY: DDMI.
 TITLED: BEDROCK GEOLOGY OF EAST ISLAND, LAC DE GRAS.
 DATED: JULY, 1998.

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DESIGN	TD 04/11/09	SCALE	N.T.S. REV. 0
CADD	JEF 17/11/09		
CHECK	TD 13/12/10		
REVIEW	GM 13/12/10		

DIAMOND MINES INC.

FIGURE 3-6

L:\2009\1328_Ykknife\09-1328-0021\11000\Report C 11100\Fig 3-7 0913280021C006 Surrounding Mines and Camps.dwg Dec 15, 2010 - 9:36am

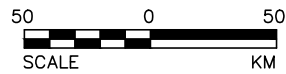


LEGEND

- SLAVE GEOLOGIC PROVINCE
- ALL-WEATHER HIGHWAYS
- - - WINTER ROADS
- RAILWAY
- COMMUNITY
- ◆ DIAMOND MINE/EXPLORATION
- PRODUCING MINE
- OUTFITTING CAMP
- EXPLORATION CAMP
- BASE CAMP
- RESEARCH STATION (GWNT)
- AIR STRIP

DEPOSITS

- LODGE GOLD
- GOLD (IRON FORMATION HOSTED)
- ✱ MAFIC HOSTED Cu-Ni
- ✱ SKARN TUNGSTEN
- ✱ OLYMPIC DAM TYPE Cu-U
- Be-REE
- VEIN HOSTED
- IRON
- URANIUM
- DIAMOND
- XU SÓC U Ó Ó P Ó Ó Á Á Á
- ▲ CARBONATE HOSTED (MVT) Pb-Zn
- ▲ SHALE HOSTED STRATIFORM Pb-Zn
- ▲ SEDIMENT-HOSTED STRATIFORM Cu
- ▲ EPITHERMAL VEIN-TYPE Cu
- (PP) PAST PRODUCING MINE
- (MINE) CURRENTLY PRODUCING MINE

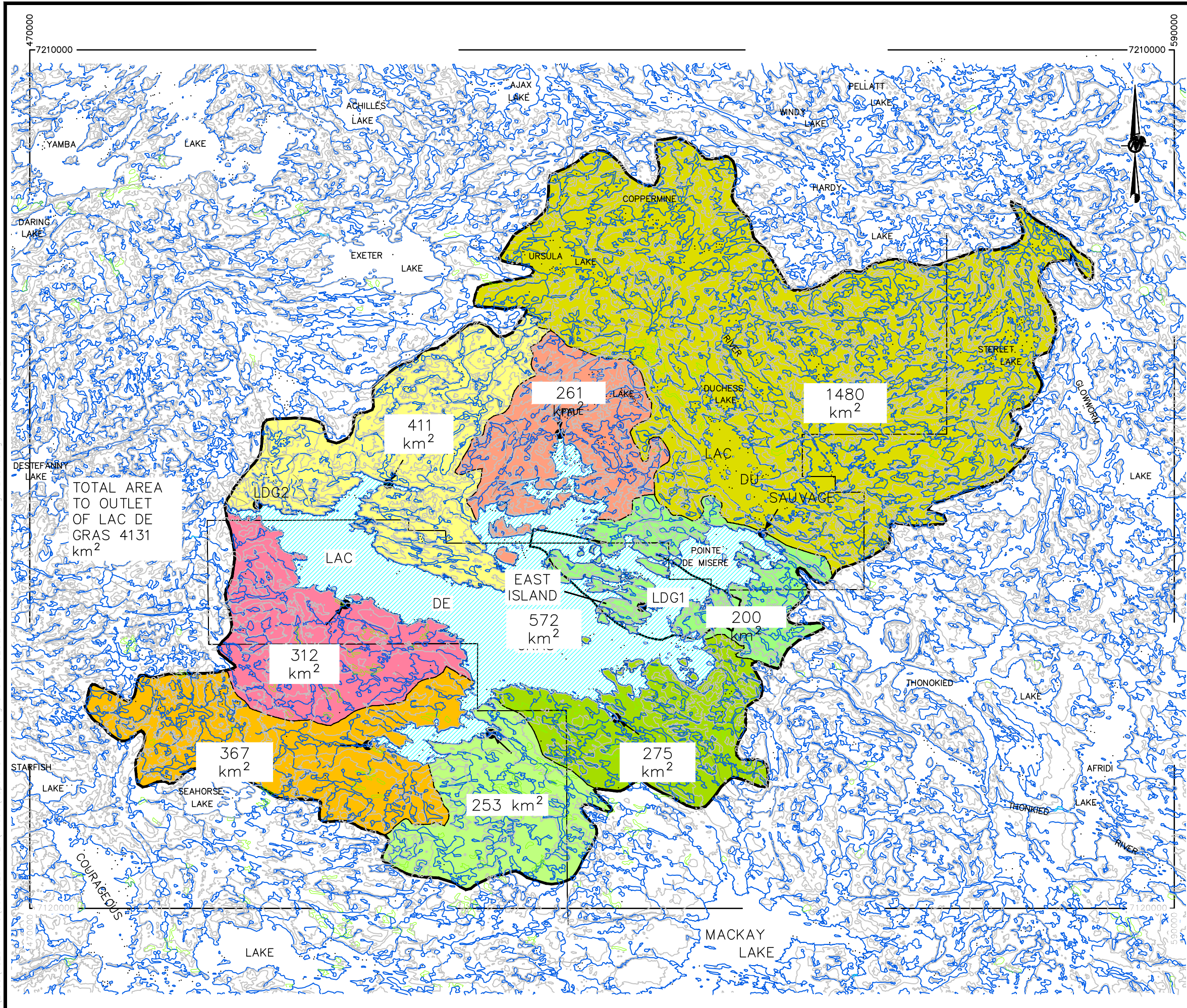


PROJECT			
DIAVIK DIAMOND MINES NORTHWEST TERRITORIES			
TITLE			
SURROUNDING MAJOR MINES AND EXPLORATIONS CAMPS			
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CADD	TRE	26/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-7
REVIEW	GM	13/12/10	

REFERENCE

SELECTED MINERAL DEPOSITS OF THE NORTHWEST TERRITORIES, DEPARTMENT OF ENERGY, MINES AND RESOURCES, MINERAL INITIATIVES 1991 TO 1996 REVISED OCTOBER, 1996.

L:\2009_1328_Yk\09-1328-0021\11000\Report C 11100\Fig 3-8_0913280021C007 Lac De Gras Drainage Basin.dwg Dec 15, 2010 - 9:41am



LEGEND

- CATCHMENT BOUNDARY
- ← MODEL INFLOW/OUTFLOW POINT
- UTM GRID

TOTAL AREA TO OUTLET OF LAC DE GRAS 4131 km²

411 km²

261 km²

1480 km²

312 km²

572 km²

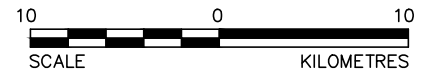
200 km²

367 km²

275 km²

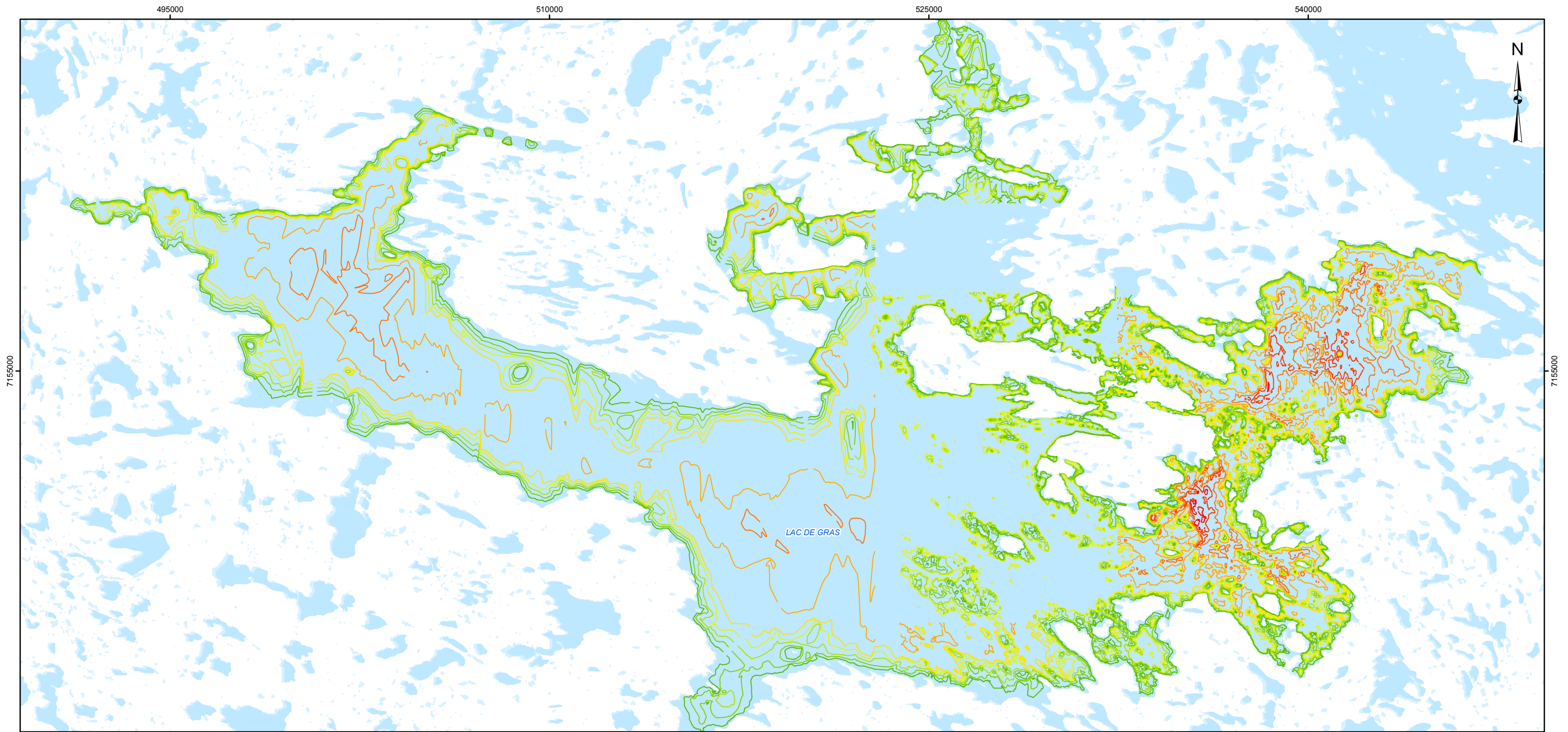
253 km²

REFERENCE
NATIONAL TOPOGRAPHICAL DATABASE SETS 76C AND 76D, FIRST EDITION



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TITLE		LAC DE GRAS DRAINAGE BASIN MAP	
PROJECT	09.1328.0021	FILE No.	0913280021C007
DESIGN	TD	04/11/09	SCALE AS SHOWN
CADD	JEF	20/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-8
REVIEW	GM	13/12/10	





LEGEND

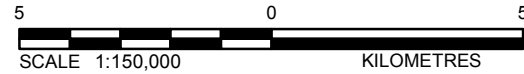
DEPTH (METRES)

- 0
- 2
- 4
- 6
- 8
- 10
- 20
- 30
- 40
- 50

WATERBODY

REFERENCE

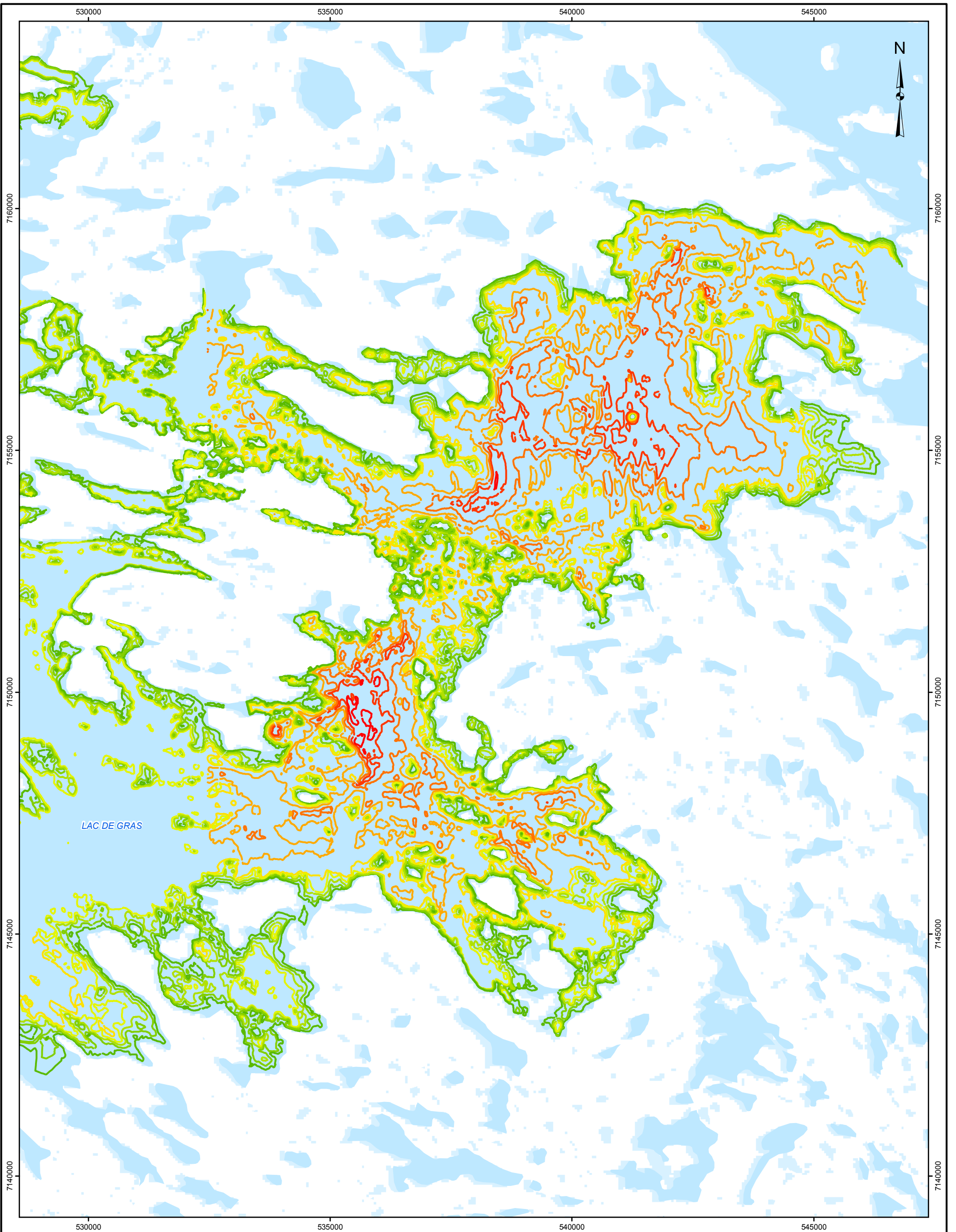
Projection: UTM Zone 12 Datum: NAD 83



PROJECT	DIAVIK DIAMOND MINES NORTHWEST TERRITORIES		
TITLE	BATHYMETRY MAP OF LAC DE GRAS		
	PROJECT No. 09-1328-0021	SCALE AS SHOWN	REV. 0
	DESIGN TD 18 Nov. 2009		
	GIS RL 19 Nov. 2009		
	CHECK TD 24 Nov. 2009		
	REVIEW GM 24 Nov. 2009		



FIGURE: 3-9

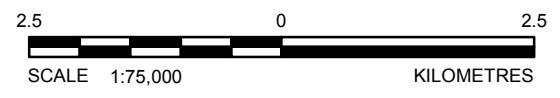


LEGEND

DEPTH (METRES)

0
2
4
6
8
10
20
30
40
50
WATERBODY

REFERENCE
 Projection: UTM Zone 12 Datum: NAD 83

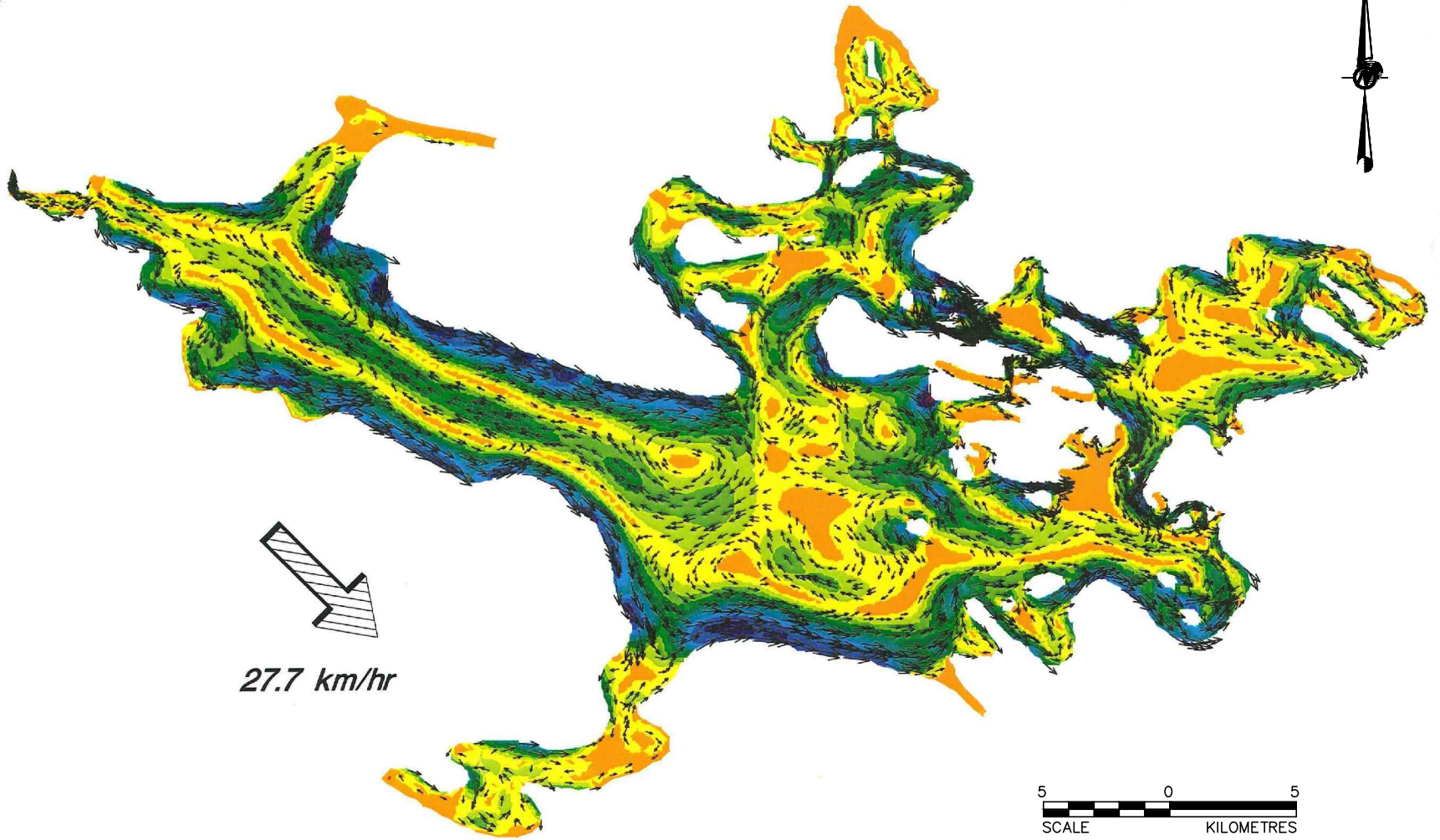
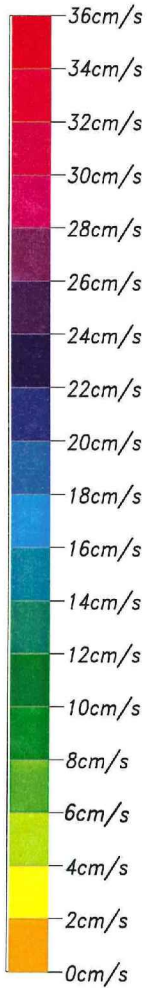


PROJECT	DIAVIK DIAMOND MINES NORTHWEST TERRITORIES		
TITLE	BATHYMETRY MAP OF LAC DE GRAS EAST SIDE		
	PROJECT No. 09-1328-0021	SCALE AS SHOWN	REV. 0
	DESIGN TD 18 Nov. 2009	FIGURE: 3-10	
	GIS RL 20 Nov. 2009		
	CHECK TD 24 Nov. 2009		
	REVIEW GM 24 Nov. 2009		



I:\2009\09-1328\09-1328-0021\Mapping\MXD\2009AEMPUpdate\09-1328-0021 Fig 3-10 Bathymetry Map of Lac de Gras East Side.mxd

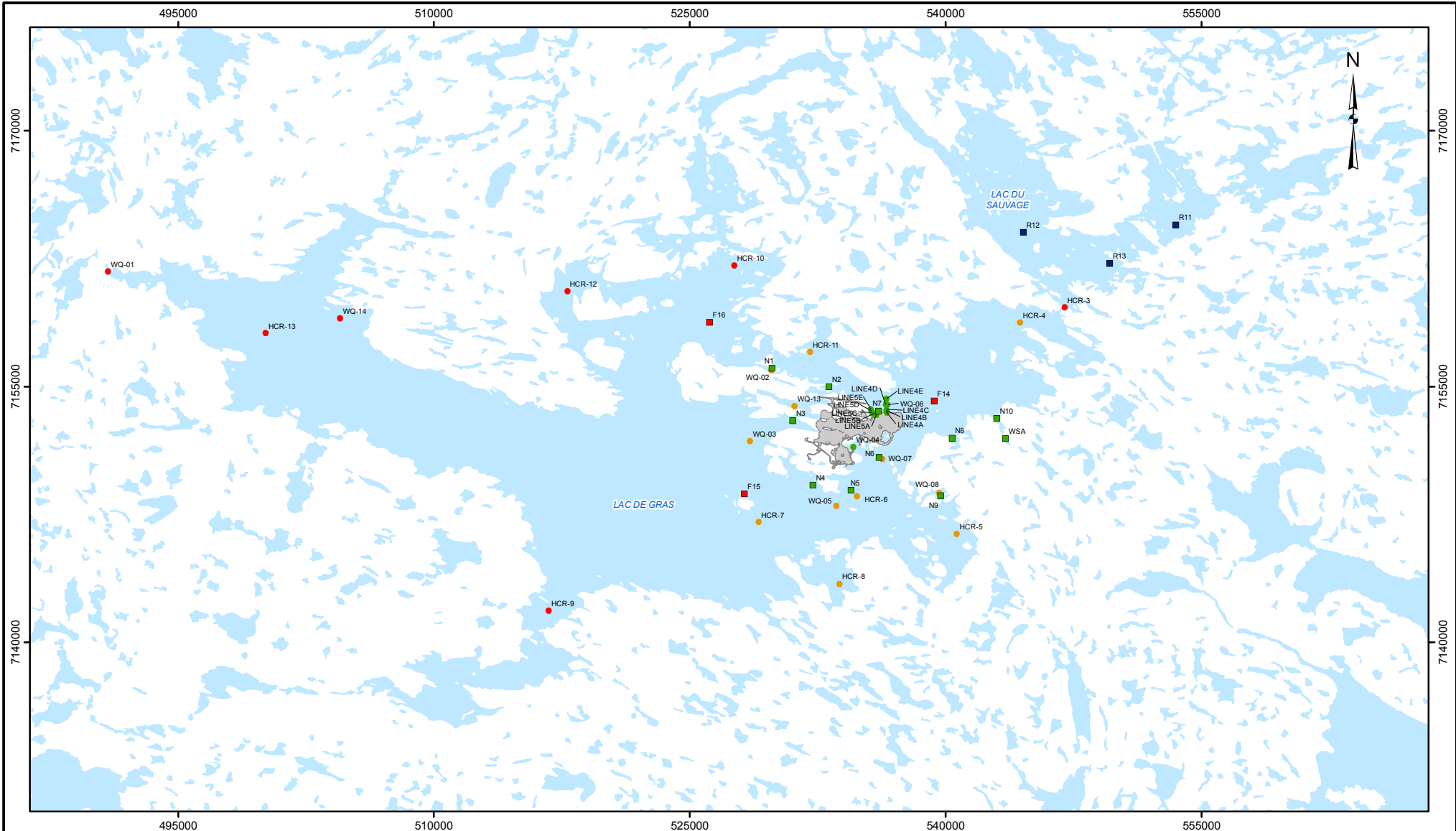
**Depth-Average
Current Velocity**



PROJECT				DIAVIK DIAMOND MINES NORTHWEST TERRITORIES			
TITLE							
TYPICAL CIRCULATION PATTERN FOR THE EXISTING CONDITION (NORTHWESTERLY WIND AND OPEN-WATER SEASON)							
PROJECT		09.1328.0021		FILE No.		0913280021C008	
DESIGN	TD	04/11/09	SCALE		AS SHOWN	REV.	0
CADD	RML	20/11/09					
CHECK	TD	13/12/10					
REVIEW	GM	13/12/10					



FIGURE: 3-11

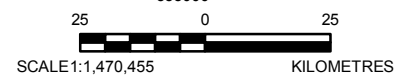


LEGEND

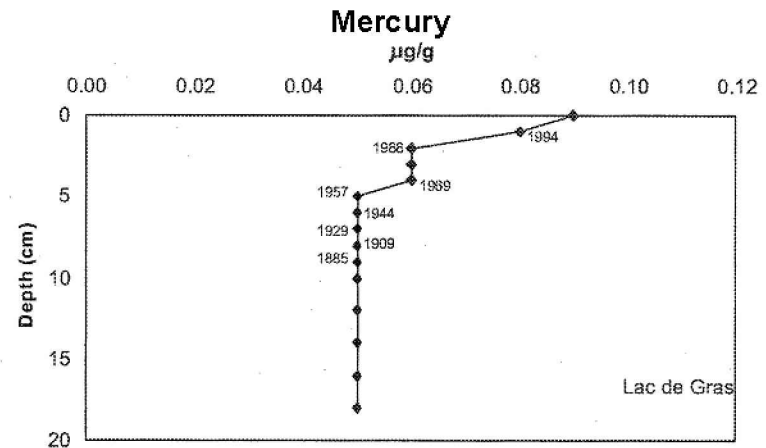
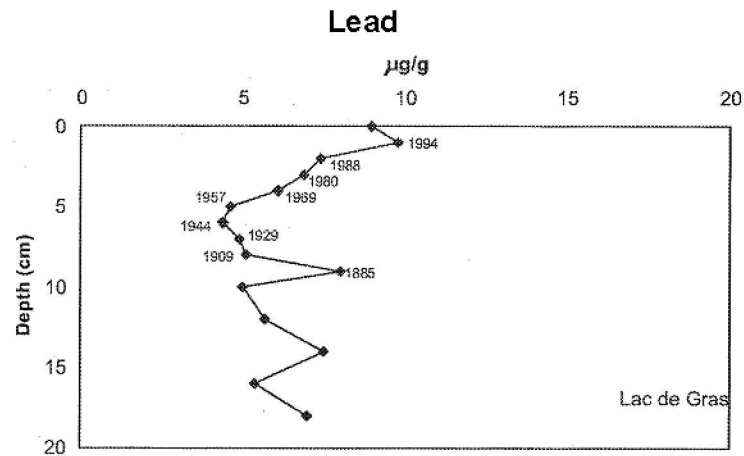
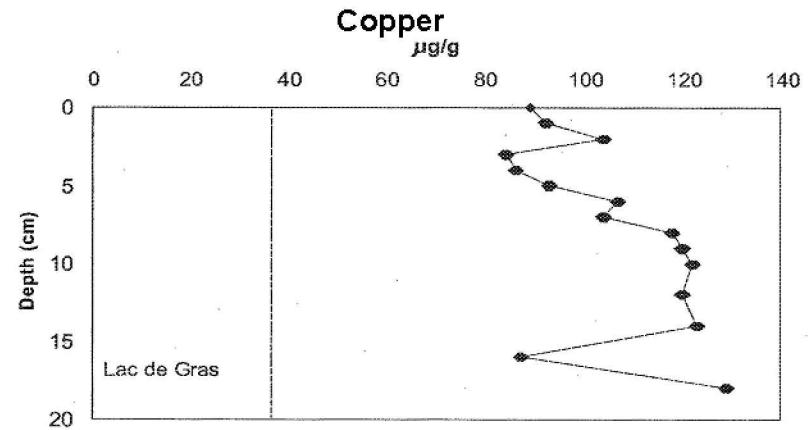
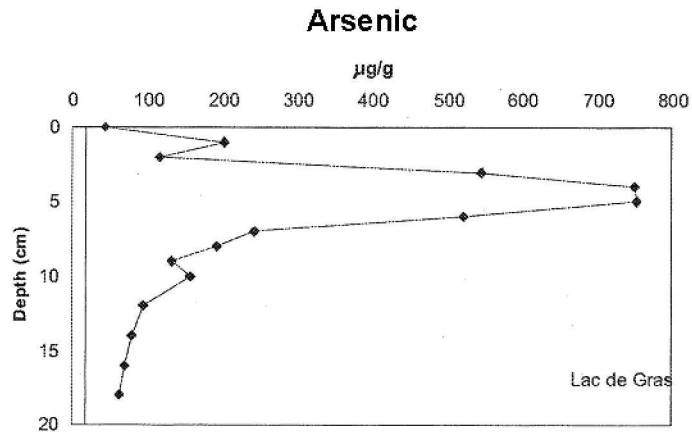
- BENTHIC LOCATIONS (1996)**
- FAR FIELD
 - NEAR FIELD
 - REFERENCE AREA
- SEDIMENT QUALITY STATIONS (1996-2000)**
- FAR FIELD
 - MID FIELD
 - NEAR FIELD
- DIAVIK FOOTPRINT
- WATERBODY

REFERENCE

Projection: UTM Zone 12 Datum: NAD 83

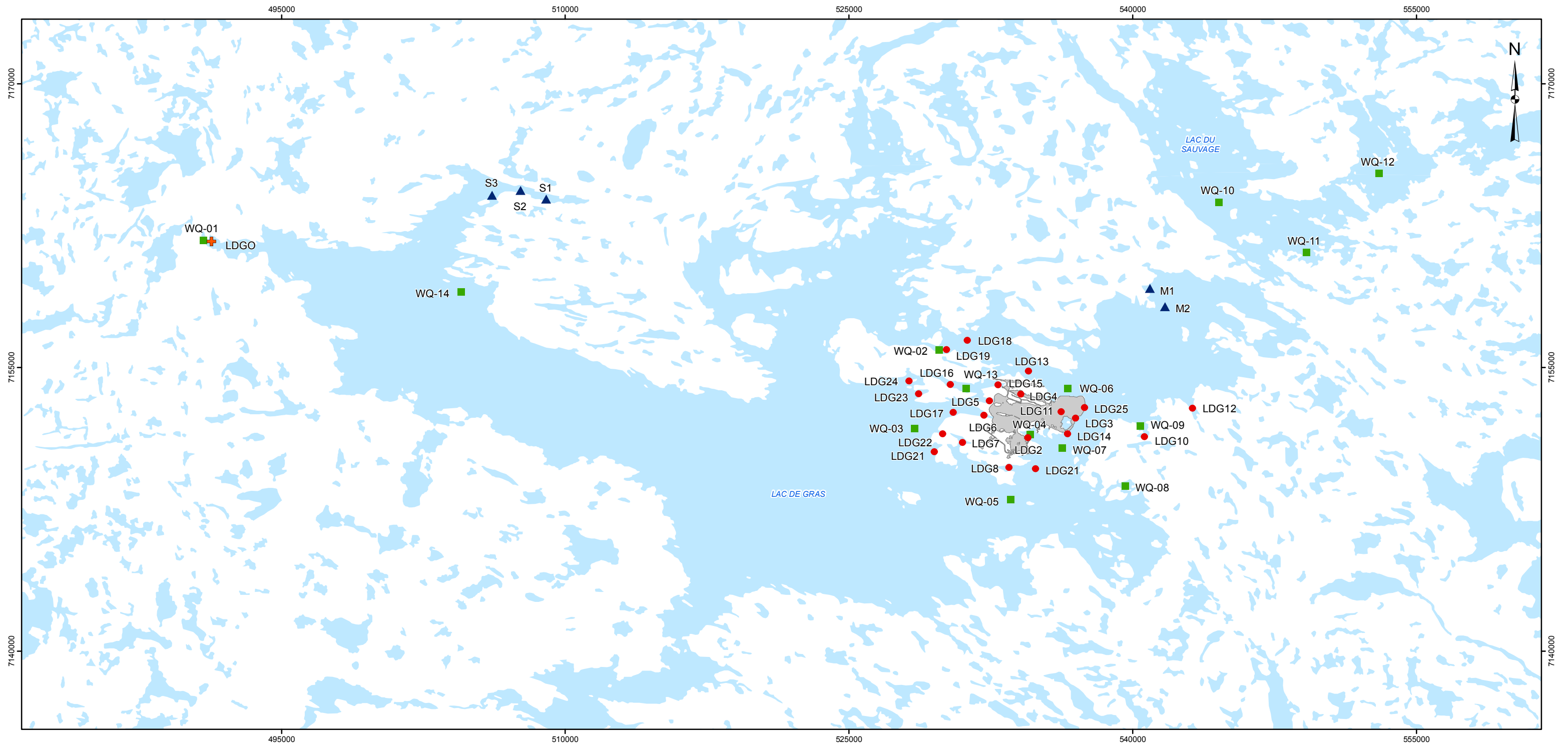


PROJECT	DIAVIK DIAMOND MINES NORTHWEST TERRITORIES		
TITLE	SEDIMENT SAMPLING SITES FROM 1996 TO 2000		
	PROJECT NO.	09-1328-0021	SCALE AS SHOWN
	DESIGN	TD 18 Nov. 2009	REV. 0
	GIS	RL 19 Nov. 2009	FIGURE: 3-12
	CHECK	TD 24 Nov. 2009	
REVIEW	GM 24 Nov. 2009		



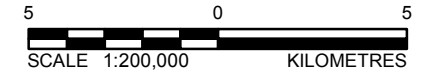
PROJECT			
DIAVIK DIAMOND MINES NORTHWEST TERRITORIES			
TITLE			
CONCENTRATIONS OF TRACE METALS IN SEDIMENTS FROM LAC DE GRAS, 2000			
PROJECT	09.1328.0021	FILE No.	0913280021C046
DESIGN	TD	26/11/09	SCALE AS SHOWN
CADD	TRE	26/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-13
REVIEW	GM	13/12/10	





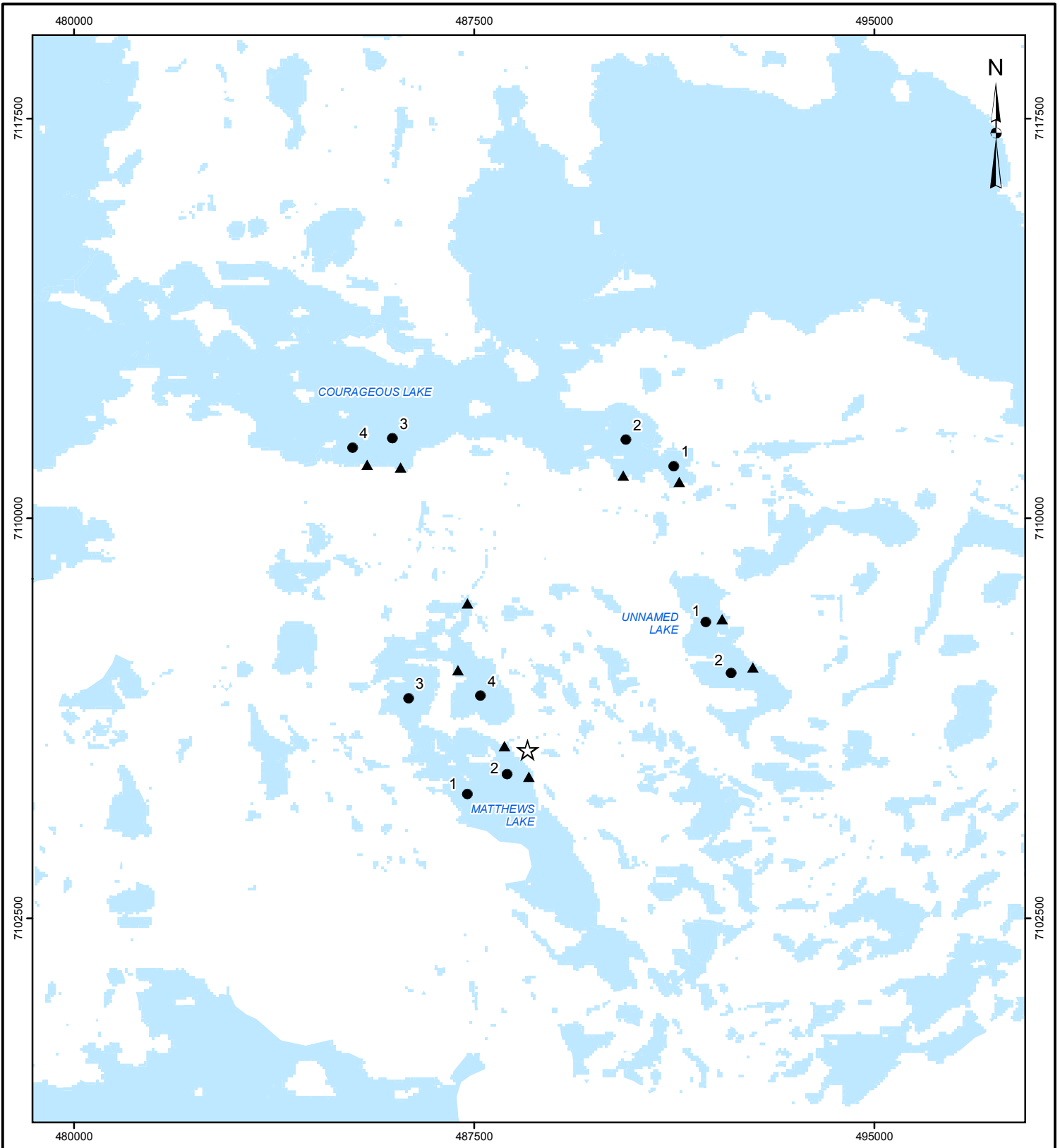
- LEGEND**
- 1994 - 1995 MONITORING STATION
 - 1996 - 1999 MONITORING STATION
 - ▲ BHP AEMP MONITORING STATION
 - ⊕ DIAND WATER QUALITY STATION
 - DIAVIK FOOTPRINT
 - WATERBODY

REFERENCE
 Projection: UTM Zone 12 Datum: NAD 83



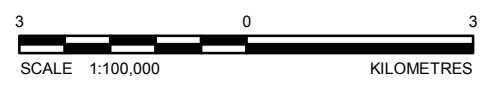
PROJECT	DIAVIK DIAMOND MINES NORTHWEST TERRITORIES		
TITLE	WATER QUALITY SAMPLING STATIONS DURING THE BASELINE SURVEYS		
	PROJECT No.	09-1328-0021	SCALE AS SHOWN
	DESIGN	TD 18 Nov. 2009	FIGURE: 3-14
	GIS	RL 19 Nov. 2009	
	CHECK	TD 24 Nov. 2009	
	REVIEW	GM 24 Nov. 2009	
REV. 0			

I:\2009\09-1328\09-1328-002\1\mapping\MXD\2009AEM\Update\09-1328-0021 Fig 3-15 Location of Courageous Lake Unnamed Lake and Matthews Lake.mxd



LEGEND

- ▲ LITTORAL
- ☆ ORE DEPOSIT
- PELAGIC
- WATERBODY



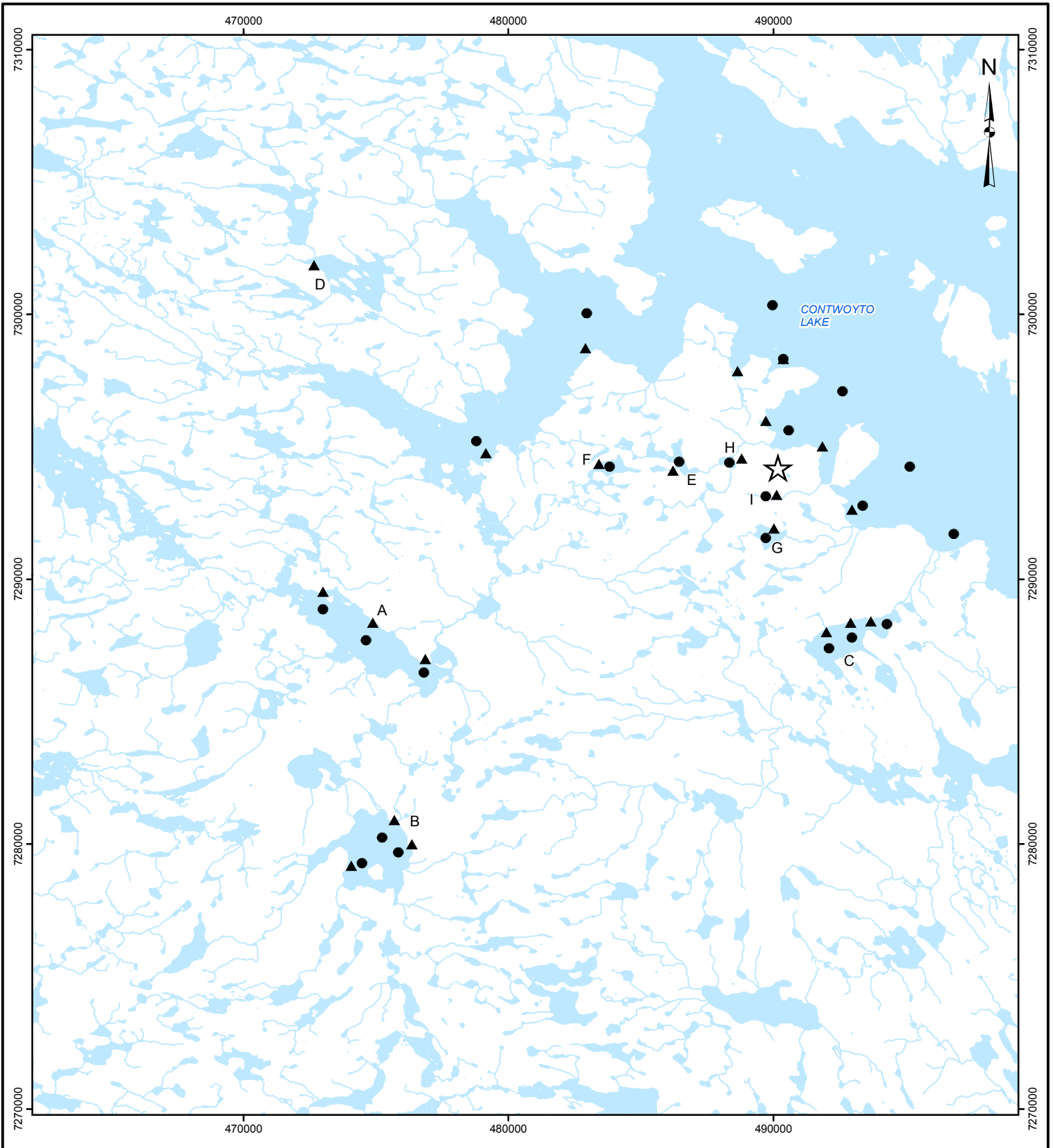
REFERENCE

Figure 2 Map of Study Area Showing Collection Sites, Environmental Protection Service, NW-78-7; 1978
 Projection: UTM Zone 12 Datum: NAD 83

PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		LOCATION OF COURAGEOUS LAKE, UNNAMED LAKE, AND MATTHEWS LAKE	
PROJECT No. 09-1328-0021		SCALE AS SHOWN	REV. 0
DESIGN	TD 18 Nov. 2009	FIGURE: 3-15	
GIS	RL 19 Nov. 2009		
CHECK	TD 24 Nov. 2009		
REVIEW	GM 24 Nov. 2009		



I:\2009\09-1328\09-1328-002\1\mapping\MXD\2009AE\MPI\update\09-1328-0021 Fig 3-16 Location of Contwoyto Lake.mxd

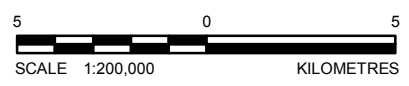


LEGEND

- ▲ LITTORAL COLLECTION SITE
- ★ ORE BODY LOCATION
- PELAGIC COLLECTION SITE
- WATERCOURSE
- WATERBODY

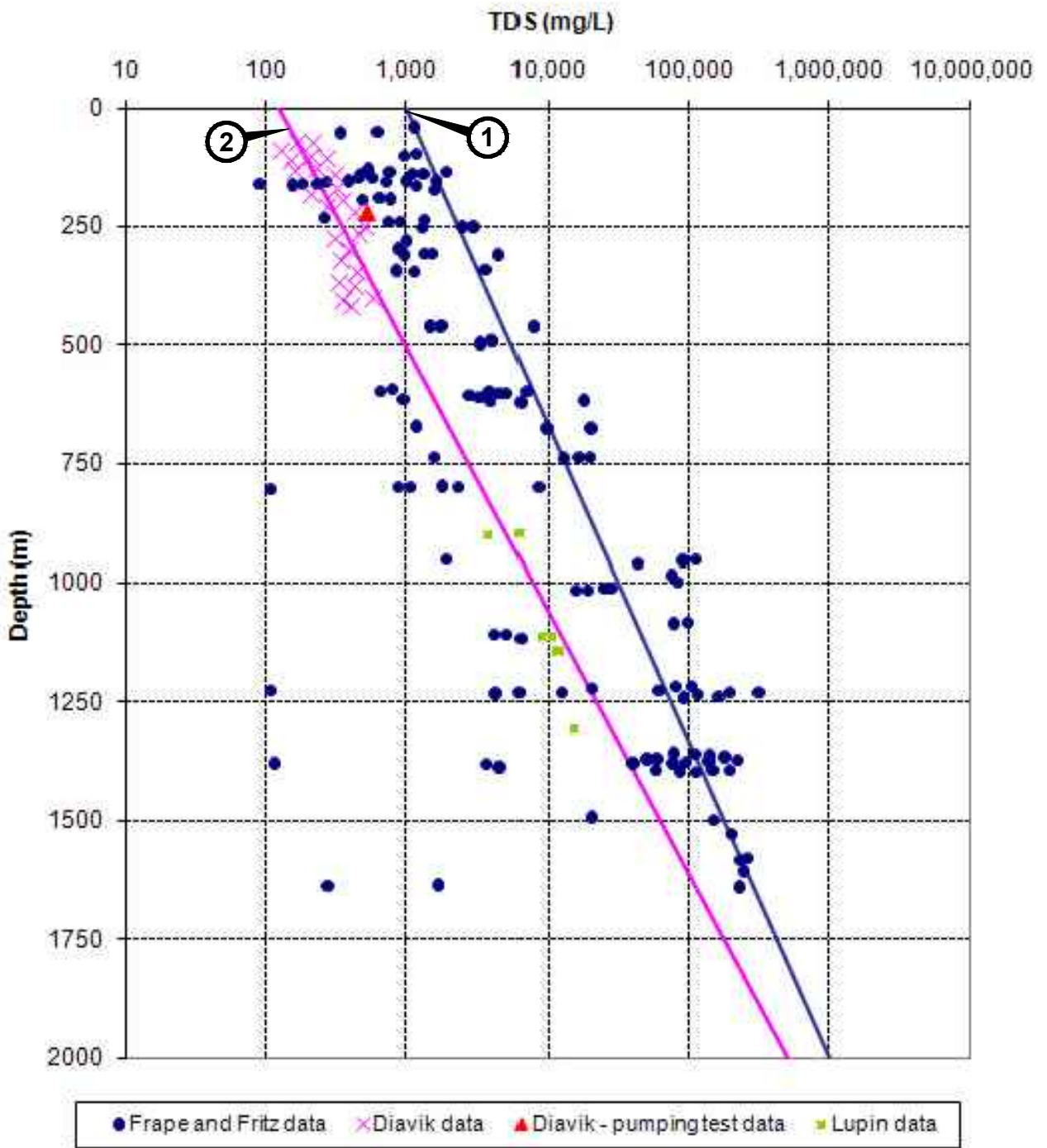
REFERENCE

Figure 2 Map of the Contwoyto Lake Area Showing Collectio Sites,
 Environmental Protection Service, NW-78-6; 1978
 Projection: UTM Zone 12 Datum: NAD 83



PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		LOCATION OF CONTWOYTO LAKE	
PROJECT No. 09-1328-0021		SCALE AS SHOWN	REV. 0
DESIGN	TD	18 Nov. 2009	FIGURE: 3-16
GIS	RL	20 Nov. 2009	
CHECK	TD	24 Nov. 2009	
REVIEW	GM	24 Nov. 2009	



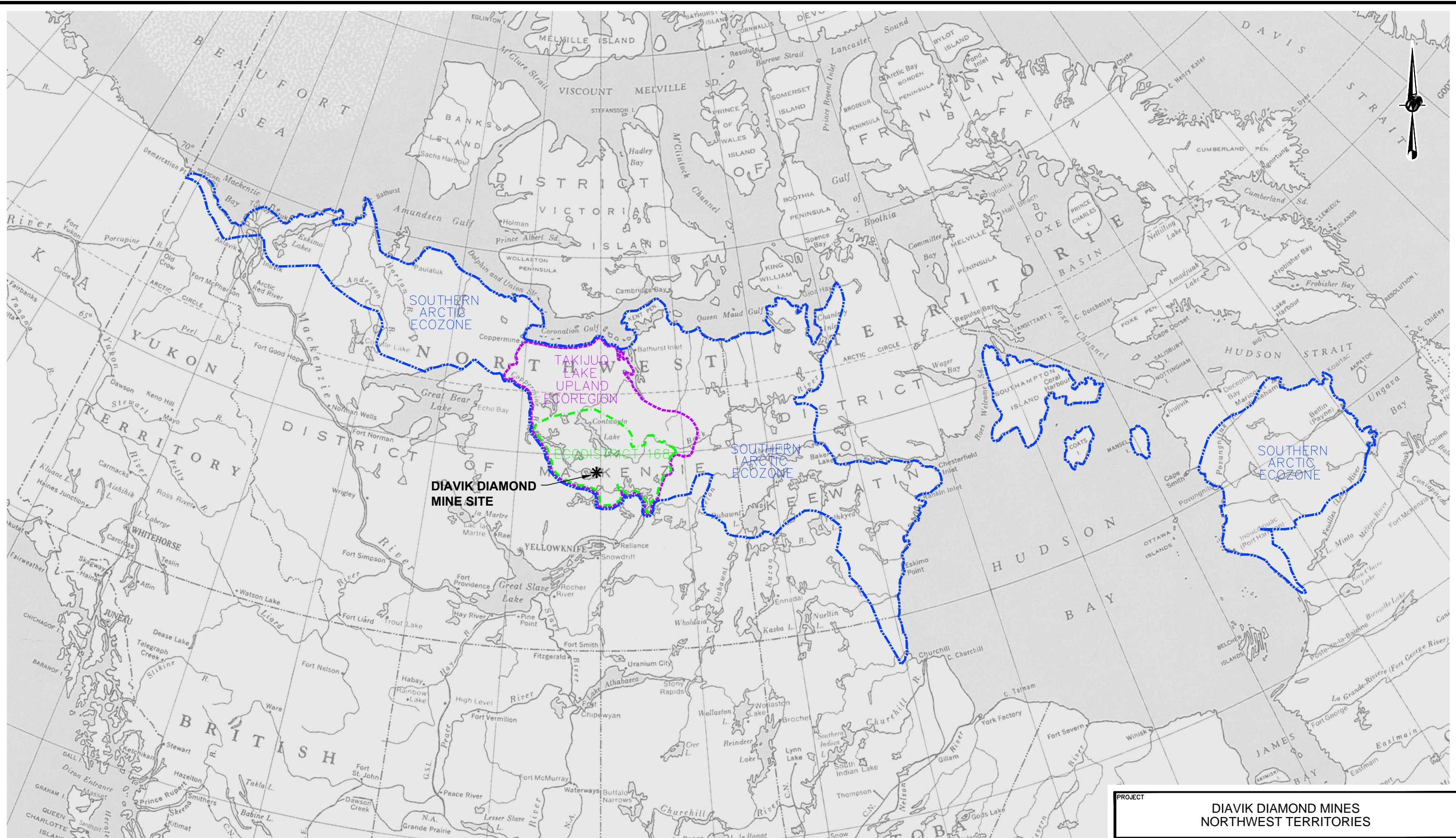


NOTE

- ① FRAPE NAD FRITZ INTERPRETATION: $\text{LOG (TDS)} = 3.0 + 1.5 \times 10^{-4} \times \text{DEPTH (m)}$
(BLOWES AND LOGSDON MEMO SEPT. '97)
- ② DIAVIK / LUPIN DATA: EQUATION: $\text{LOG (TDS)} = 2.1 + 1.8 \times 10^{-4} \times \text{DEPTH (m)}$

PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES			
TITLE		LOG TOTAL DISSOLVED SOLIDS VS. DEPTH			
PROJECT	09.1328.0021	FILE No.	0913280021C047		
DESIGN	TD	26/11/09	SCALE	AS SHOWN	REV. 0
CADD	TRE	26/11/09	FIGURE: 3-17		
CHECK	TD	13/12/10			
REVIEW	GM	13/12/10			





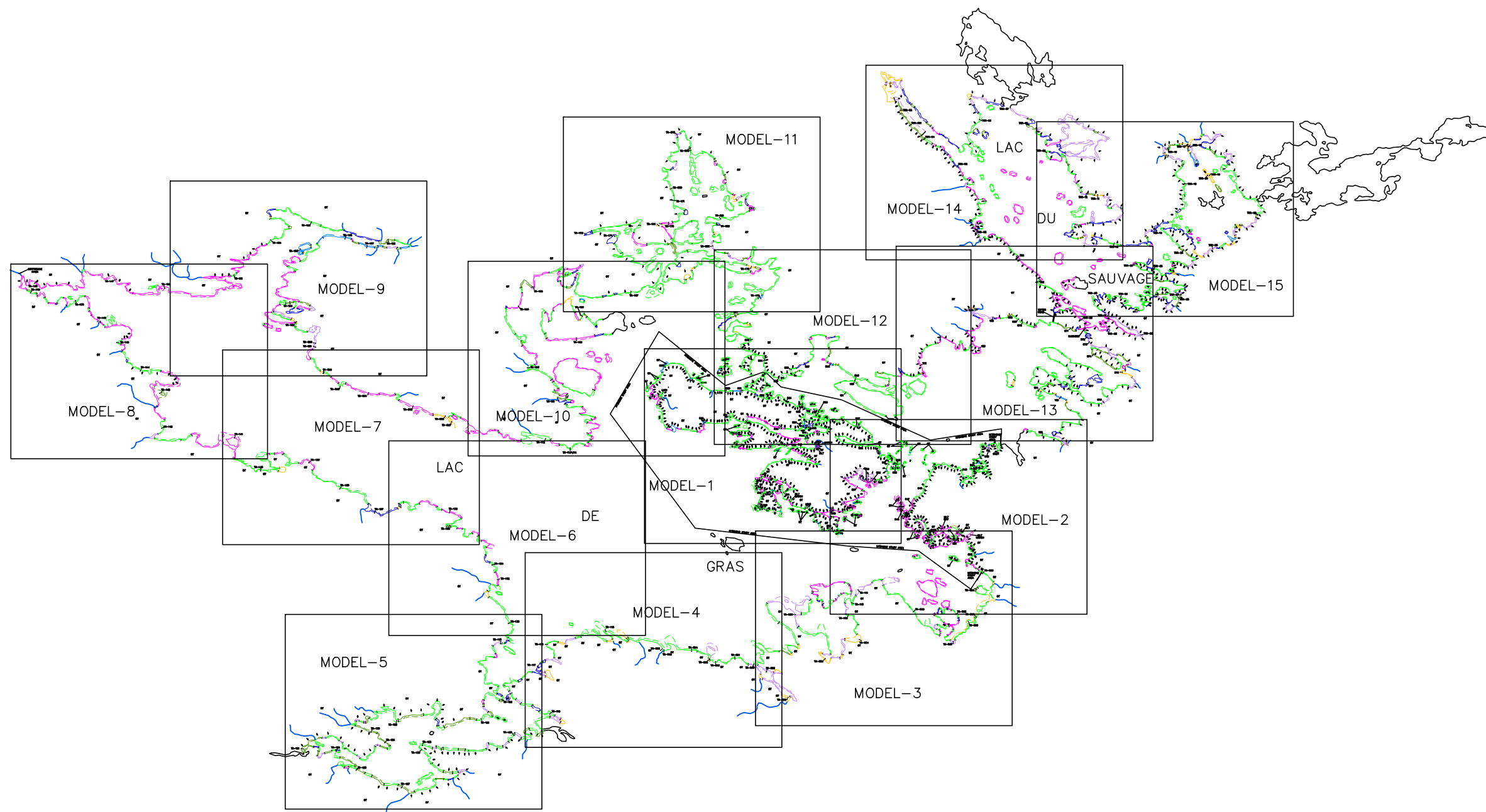
- LEGEND**
- - - - - SOUTHERN ARCTIC ECOZONE
 - - - - - TAKIJUJ LAKE UPLAND ECOREGION
 - - - - - ECODISTRICT 168

REFERENCE
 MAP OF CANADA, 1970 DEPARTMENT OF ENERGY, MINES, AND RESOURCES

PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
ECOZONES			
PROJECT		FILE No.	
DESIGN	TD	04/11/09	SCALE AS SHOWN
CADD	JEF	18/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-18
REVIEW	GM	13/12/10	

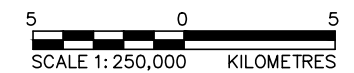


L:\2009\1328 Yk\09-1328-0021\11000\Report C 11100\Fig 3-18_0913280021C009 Ecozones.dwg Dec 15, 2010 - 9:29am



LEGEND HABITAT TYPES

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> 1. BOULDER LEDGE AT SHORELINE; DROP-COMPOSED OF BOULDERS LEADING INTO SAND AND BOULDER PATCHES. 2. GRAVEL LEDGE AT SHORELINE, SHIFTING TO COBBLE THEN BOULDERS. DROP-OFF COMPOSED OF BOULDERS LEADING TO MIXED SAND AND BOULDERS. 3. BEDROCK OUTCROPS SURROUNDED BY BOULDER AND COBBLE LEADING TO A MIXTURE OF LARGE BOULDERS AND SAND. | <ul style="list-style-type: none"> 4. MIXTURE OF BOULDERS AND SAND. 4a: BOULDERS DOMINANT OVER SAND. 4b: SAND DOMINANT OVER BOULDERS. 5. MIXTURE OF BOULDER, COBBLE AND GRAVEL. ELEVATED GRAVEL MOUNDS ALTERNATE THROUGH THE OTHER SUBSTRATES IN A LINEAR, WINDING FASHION. INUNDATED VEGETATION. SAND. | <ul style="list-style-type: none"> PARTLY SUBMERGED BOULDER TR-026 TRANSECT AND IDENTIFICATION SHALLOW SLOPE MODERATE REPOSE STEEP REPOSE STEEP SLOPE OT OPEN TUNDRA |
|--|---|--|



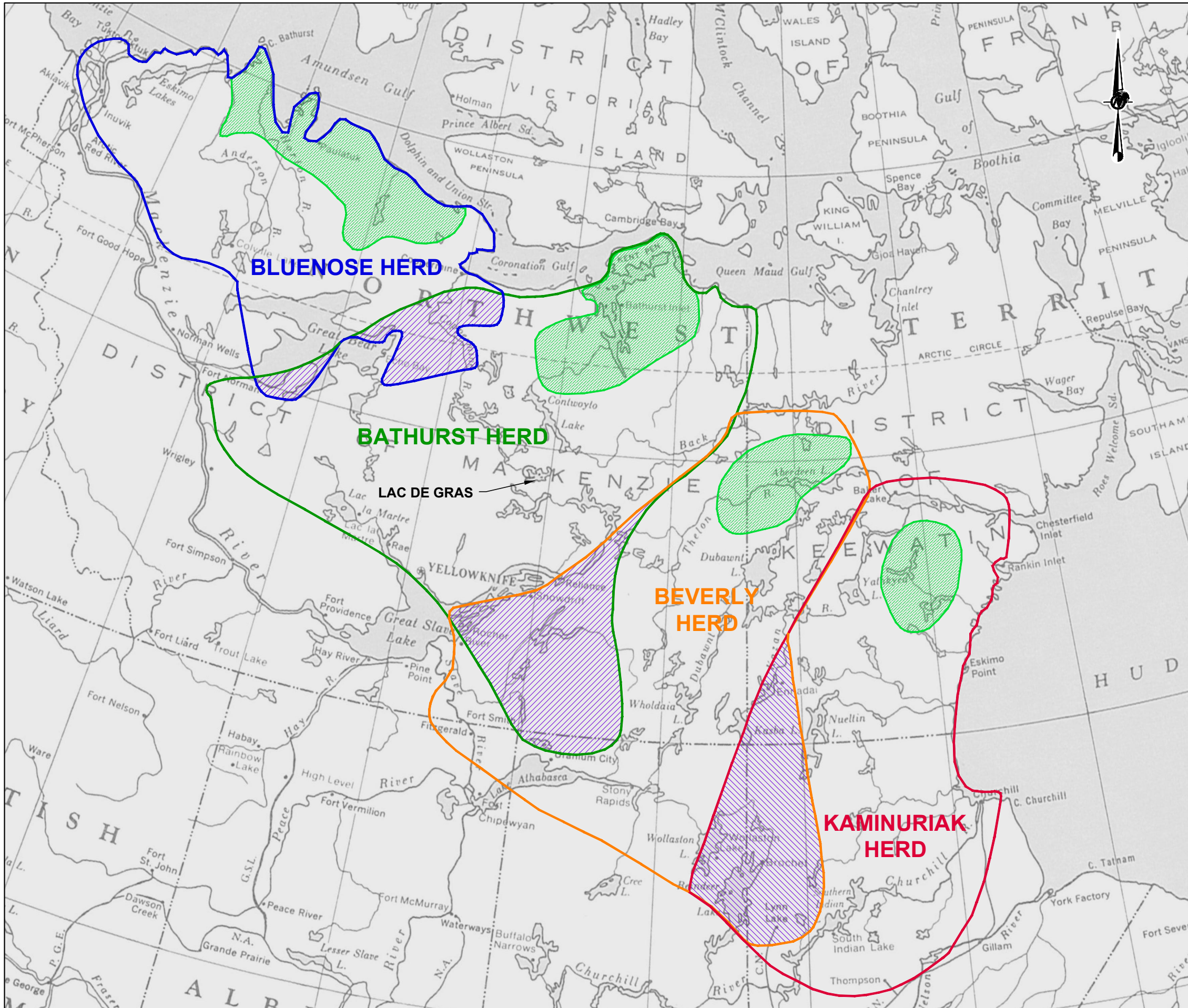
NOTES:

- 1. NAD-83 DATUM
- SOURCE: GOLDBER ASSOCIATES LTD. 1997 n.o

PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		LAC DE GRAS SHORELINE HABITAT KEY MAP	
PROJECT	09.1328.0021	FILE No.	0913280021C010
DESIGN	TD 04/11/09	SCALE	AS SHOWN
CADD	JEF 13/11/09	REV.	0
CHECK	TD 13/12/10	FIGURE: 3-19	
REVIEW	GM 13/12/10		



L:\2009\1328 Yknife\09-1328-0021\11000\Report C 11100\Fig 3-20 0913280021C011 Caribou Annual Ranges.DWG Dec 15, 2010 9:29am



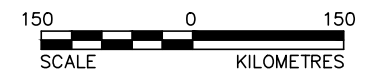
LEGEND

- CALVING GROUND
- WINTER RANGE OVERLAP



REFERENCE

MAP OF CANADA, 1970 DEPARTMENT OF ENERGY, MINES, AND RESOURCES, USED WITH PERMISSION.



PROJECT
**DIAVIK DIAMOND MINES
 NORTHWEST TERRITORIES**

TITLE
CARIBOU ANNUAL RANGES

DIAVIK DIAMOND MINES INC.	PROJECT	09.1328.0021	FILE No.	0913280021C011
	DESIGN	TD	04/11/09	SCALE AS SHOWN
	CADD	JEF	23/11/09	REV. 0
	CHECK	TD	13/12/10	FIGURE: 3-20
REVIEW	GM	13/12/10		

FG

FF

FE

JE