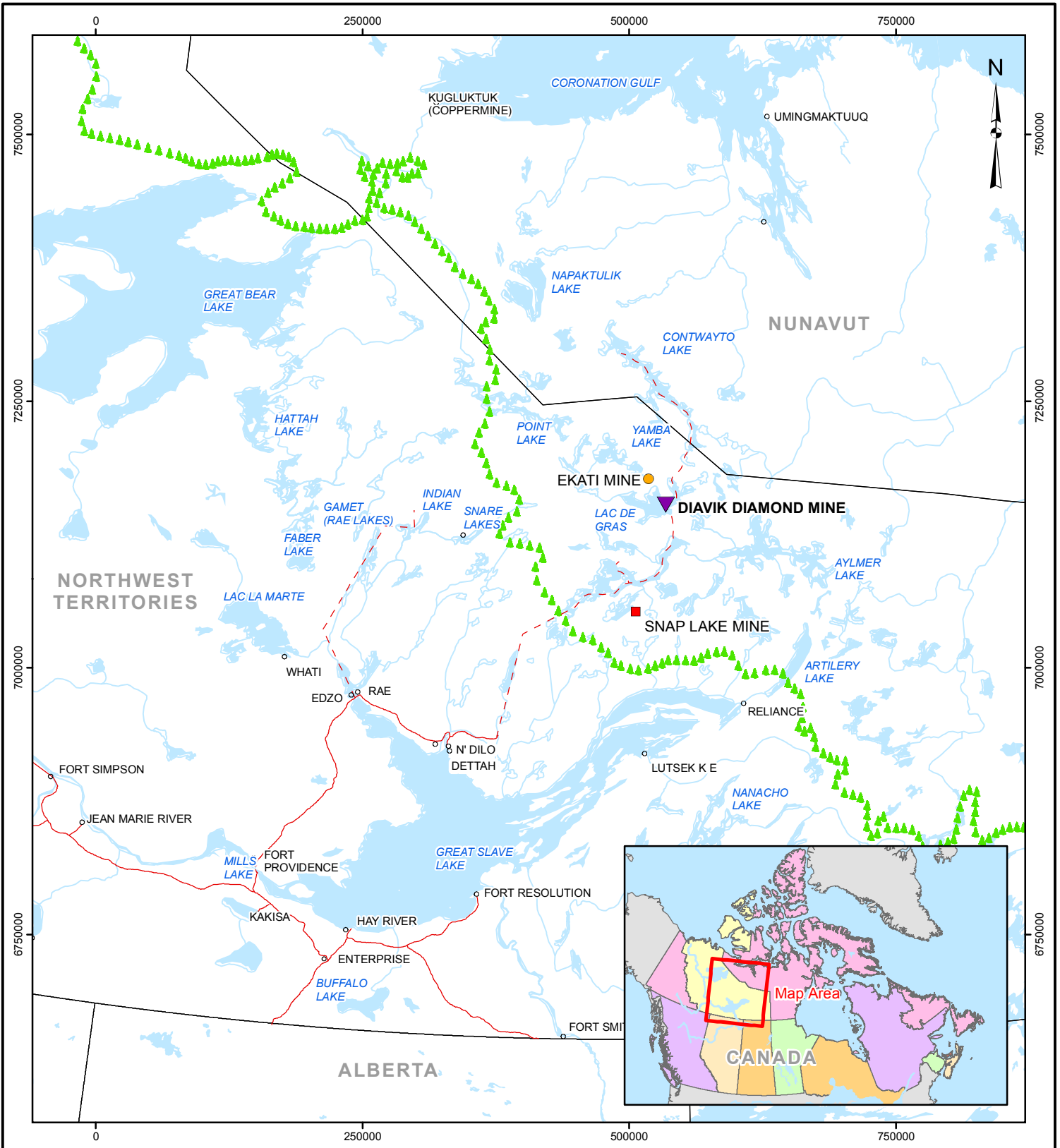


FIGURE ANNEX

- 2-1 Location Of Diavik Diamond Mine
 - 2-2 Site Map
 - 3-1 Average Monthly Temperature Recorded at the Meteorological Stations Between 1999 and 2009
 - 3-2 Minimum Monthly Temperature Recorded at the Meteorological Stations Between 1999 and 2009
 - 3-3 Maximum Monthly Temperature Recorded at the Meteorological Stations Between 1999 and 2009
 - 3-4 Lac de Gras Watershed
 - 3-5a Surficial Geology Map
 - 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
 - 3-9 Bathymetry Map of Lac de Gras
 - 3-10 Bathymetry Map of Lac de Gras East Side
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 - 3-16 Location of Contwoyto Lake
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 - 3-18 Ecozones
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 - 3-22 Caribou Mid-Summer Return Movements July 12 to 30: 1996 and 1997 Surveys
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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
 - 5-5 Closure Activity Schedule Open-Pit, Underground and Dike Areas
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 - 5-7 Processed Kimberlite Containment and Waste Rock Original Siting Options
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 - 5-9 Preferred Final Waste Rock and Till Area Landscapes
 - 5-10 Closure Activity Schedule Waste Rock and Till Area
 - 5-11 Process Kimberlite Containment Area – Final Site Development
 - 5-12 2006 Interim Closure and Reclamation Plan Final Closure Design
 - 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
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5-20	Preferred Final Mine Infrastructure Landscape
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9-2	Local Study Area
9-3	Effects Classification Flow Chart
9-4	Vegetation Land Cover Within the Local Study Area and Maximum Mine Operation (Year 2018)

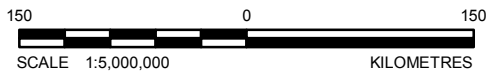


LEGEND

- 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

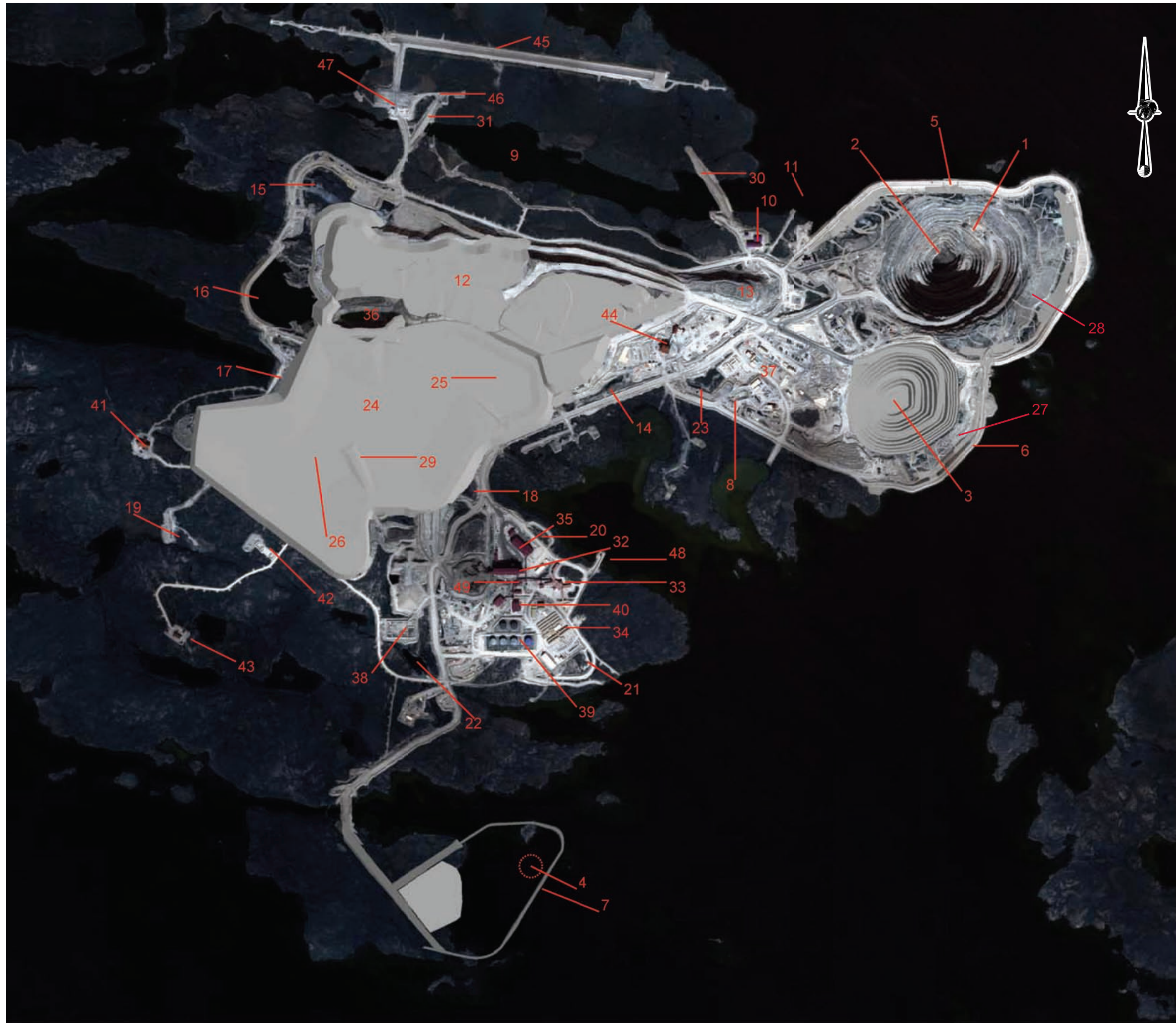


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GIS	CW	24 Nov. 2009	
CHECK	TD	24 Nov. 2009	
REVIEW	GM	24 Nov. 2009	

FIGURE: 2-1

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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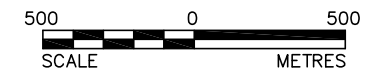


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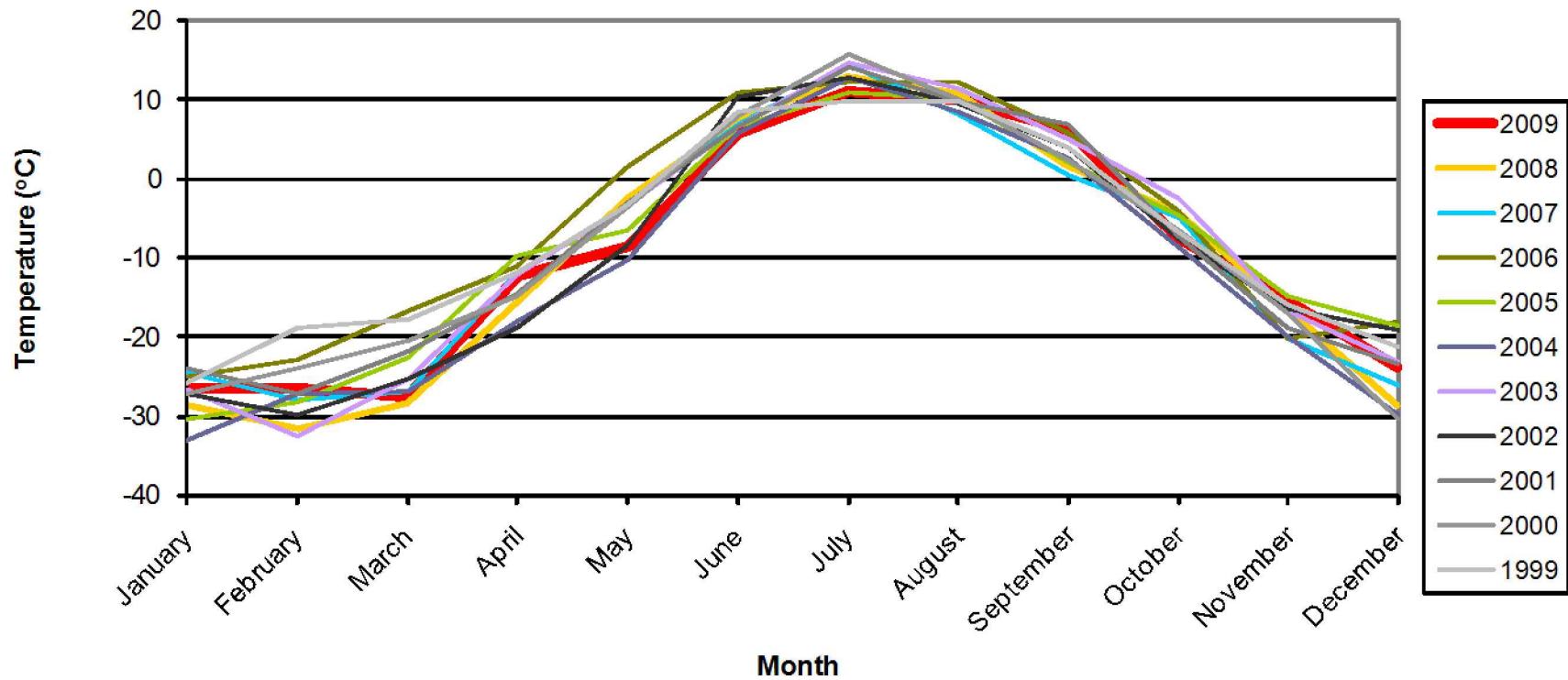
1	A154N Kimberlite
2	A154S Kimberlite
3	A418 Kimberlite
4	A21 Kimberlite
5	A154 Dike
6	A418 Dike
7	Sediment Control Structure
8	Underground Portal
9	North Inlet
10	North Inlet Water Treatment Plant
11	Submerged Discharge Line
12	Wasterock Area
13	Till Area
14	Pond 1
15	Pond 2
16	Pond 3
17	Pond 4
18	Pond 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.

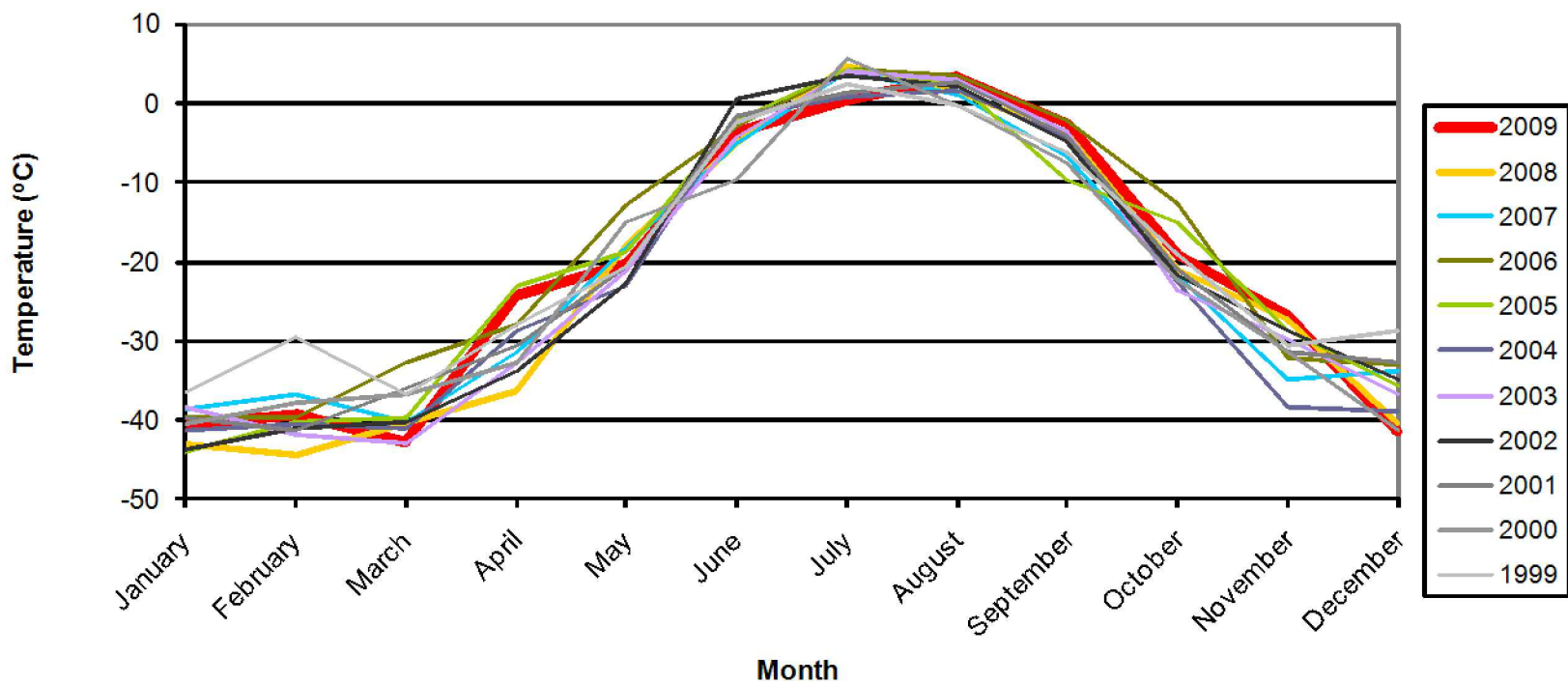



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REVIEW	GM	13/12/10			

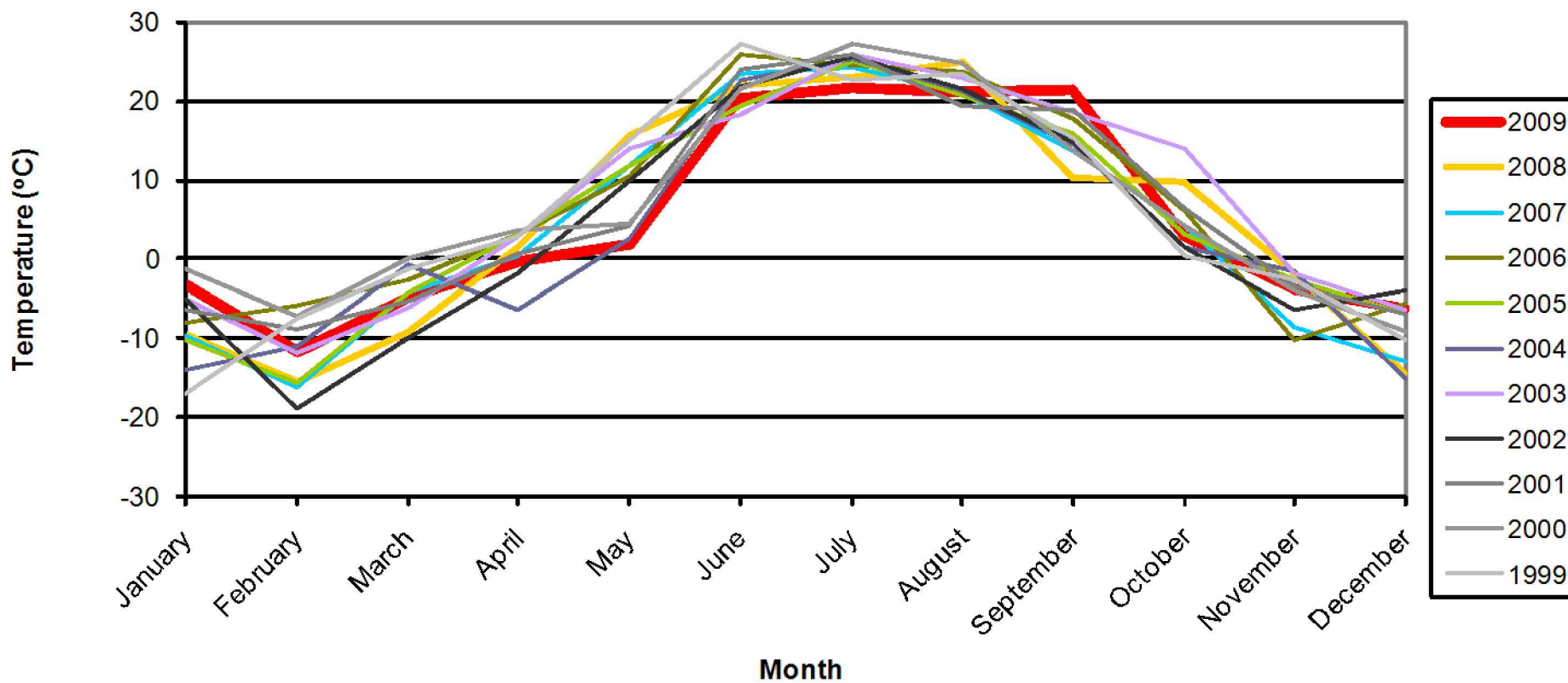


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CADD	JEF	25/11/09		FIGURE 3-1					
CHECK	TD	13/12/10							
REVIEW	GM	13/12/10							



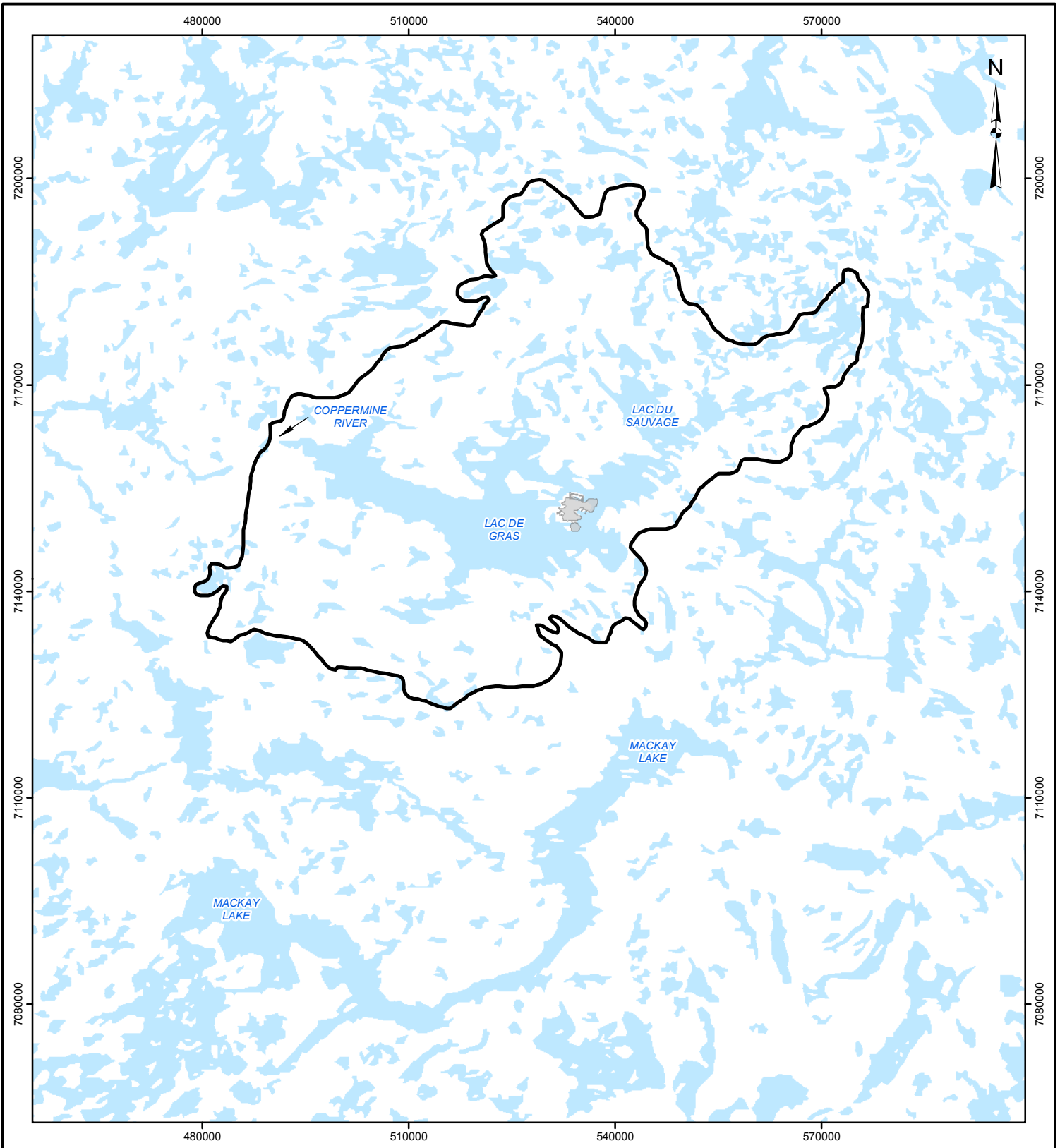


PROJECT					DIAVIK DIAMOND MINES NORTHWEST TERRITORIES				
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PROJECT No.			09.1328.0021		FILE No.			0913280021C003	
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CHECK	TD	13/12/10							
REVIEW	GM	13/12/10							
FIGURE 3-2									






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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\MPI\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 laocoolite 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, hakkinetic(?) megabreccia
- 1.88 Ga:
P13 Recluse Group in Wopmay orogen; Peacock Hills and Kuuvik formations in Kilohigok basin; Kahocheha 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 Newshehdizza 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 rhyolite 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)

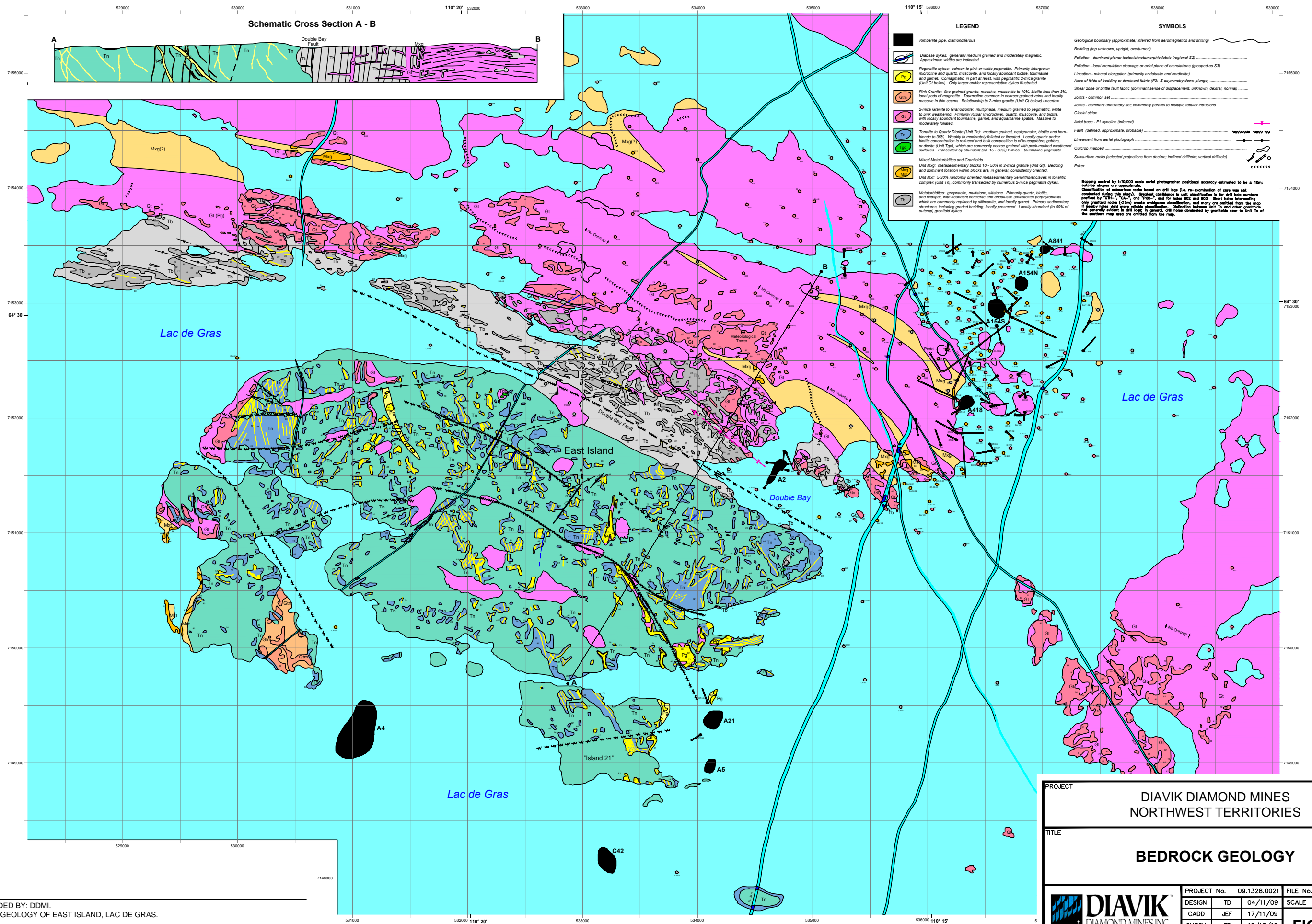
I:\2009\09-1328\09-1328-0021\Mapping\MXD\2009AEMPUpdate\09-1328-0021 Fig 3-5b Surficial Geology Map Legend.mxd

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
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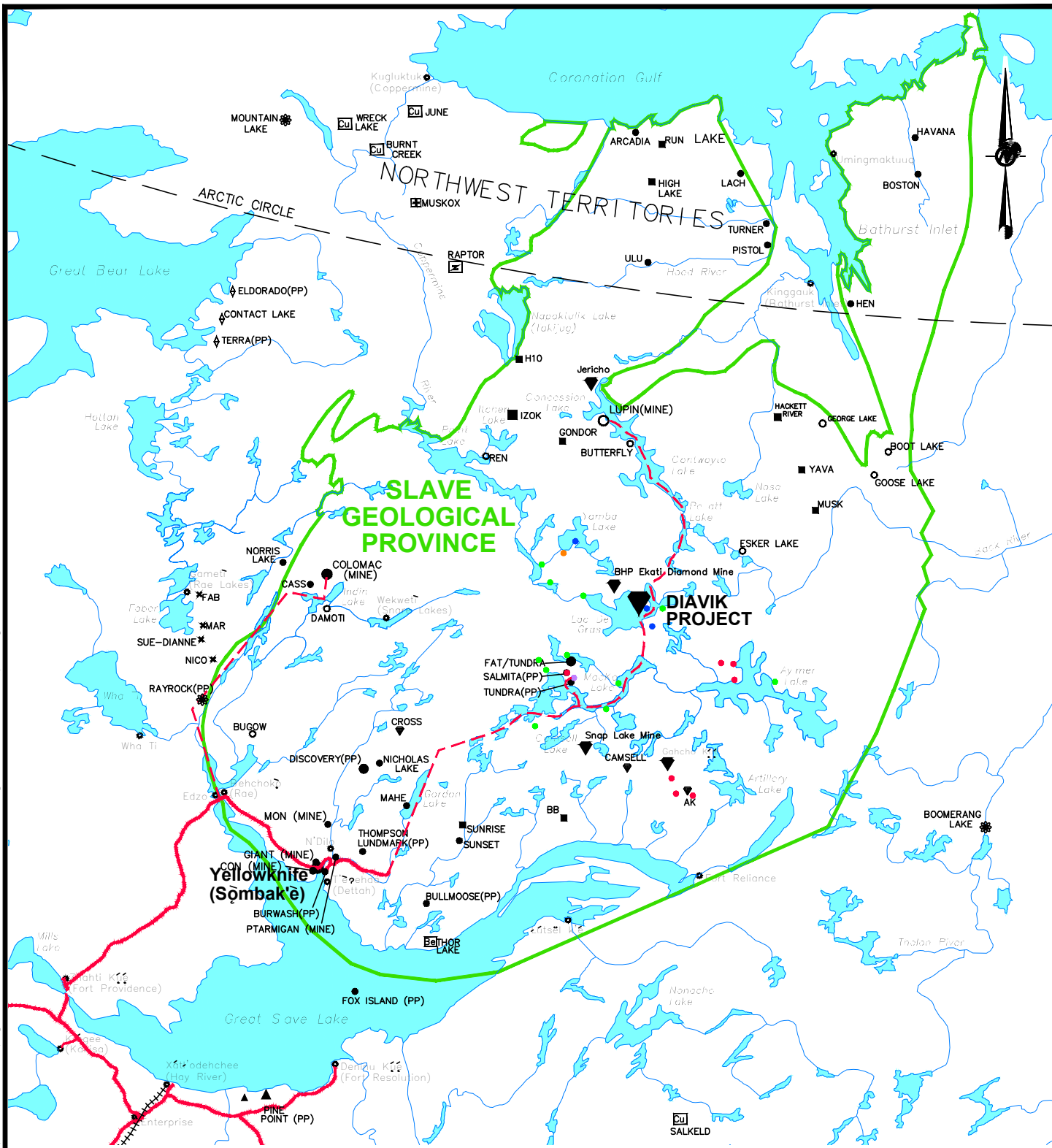
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 TITLED: BEDROCK GEOLOGY OF EAST ISLAND, LAC DE GRAS.
 DATED: JULY, 1998.

PROJECT
**DIAVIK DIAMOND MINES
 NORTHWEST TERRITORIES**

TITLE
BEDROCK GEOLOGY

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	CHECK	TD 13/12/10		
	REVIEW	GM 13/12/10	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

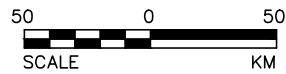


LEGEND

- 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

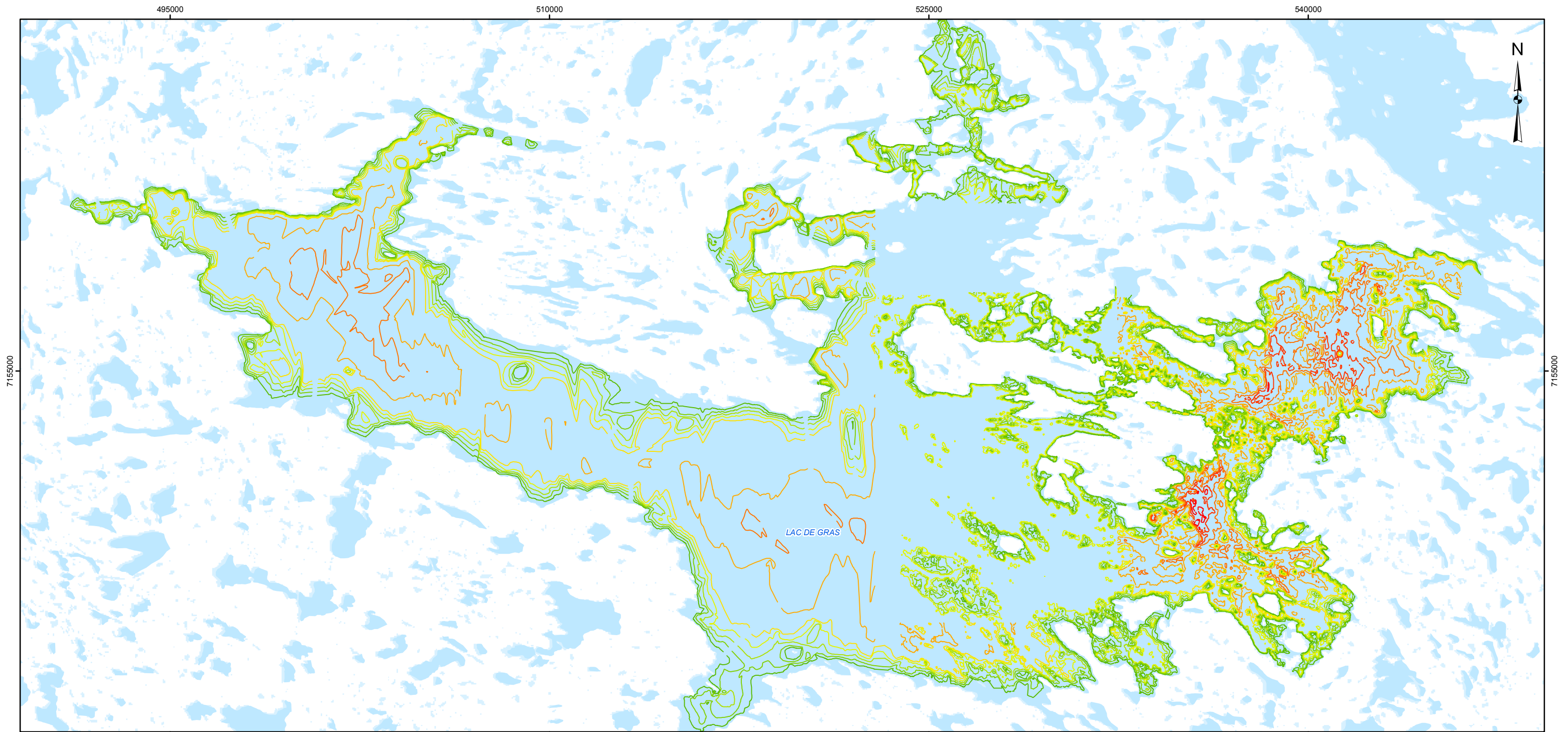
- LODGE GOLD
- GOLD (IRON FORMATION HOSTED)
- ✱ MAFIC HOSTED Cu-Ni
- ✱ SKARN TUNGSTEN
- ✱ OLYMPIC DAM TYPE Cu-U
- Be-REE
- VEIN HOSTED
- IRON
- URANIUM
- DIAMOND
- XU SÓC U ÓÓP ÓÁÓ ÉZ) Á Áú
- CARBONATE HOSTED (MVT) Pb-Zn
- SHALE HOSTED STRATIFORM Pb-Zn
- SEDIMENT-HOSTED STRATIFORM Cu
- EPITHERMAL VEIN-TYPE 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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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.



LEGEND

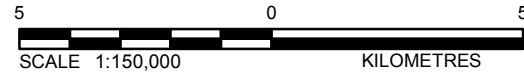
DEPTH (METRES)

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

WATERBODY

REFERENCE

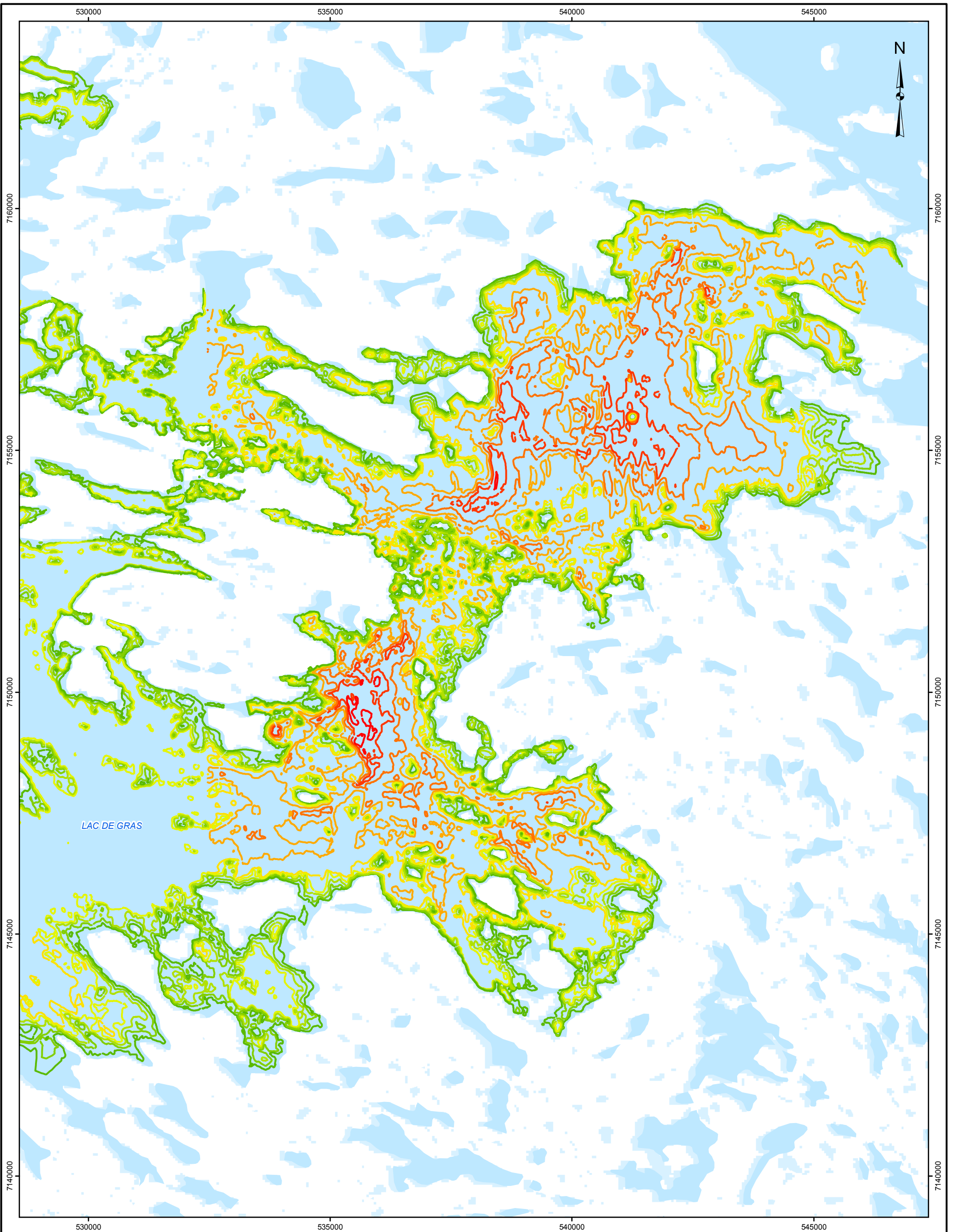
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	PROJECT No. 09-1328-0021	SCALE AS SHOWN	REV. 0
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	GIS RL 19 Nov. 2009		
	CHECK TD 24 Nov. 2009		
	REVIEW GM 24 Nov. 2009		



FIGURE: 3-9

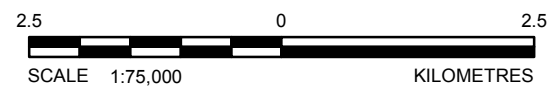


LEGEND

DEPTH (METRES)

0
2
4
6
8
10
20
30
40
50
WATERBODY

REFERENCE
 Projection: UTM Zone 12 Datum: NAD 83

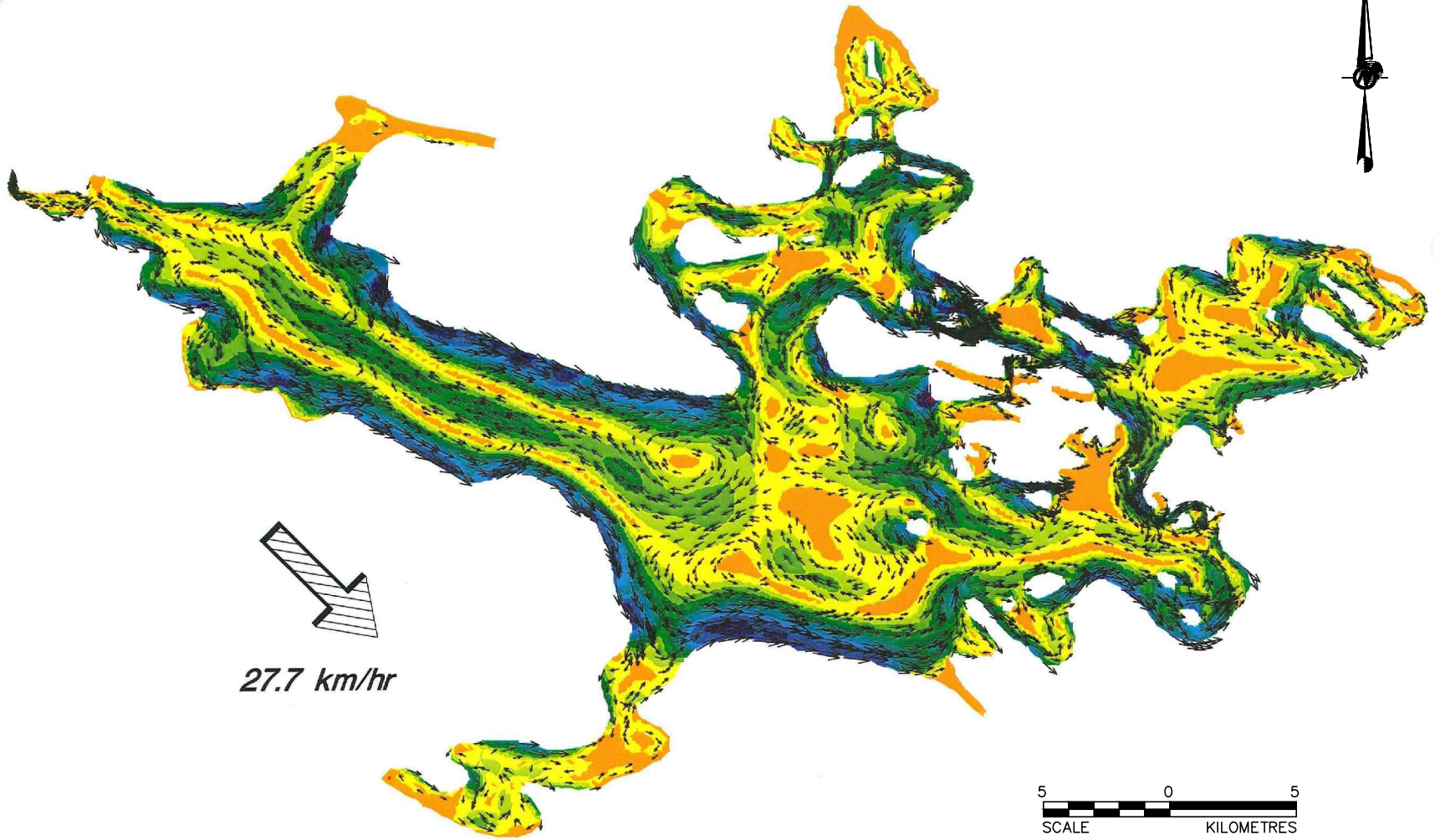
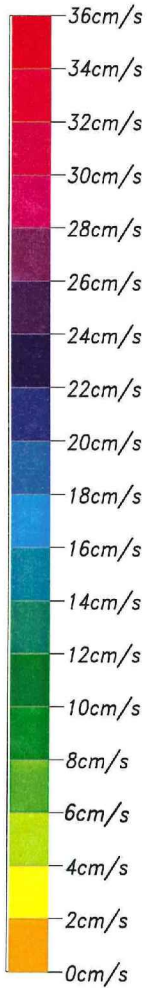


PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		BATHYMETRY MAP OF LAC DE GRAS EAST SIDE	
PROJECT No. 09-1328-0021		SCALE AS SHOWN	REV. 0
DESIGN	TD	18 Nov. 2009	FIGURE: 3-10
GIS	RL	20 Nov. 2009	
CHECK	TD	24 Nov. 2009	
REVIEW	GM	24 Nov. 2009	



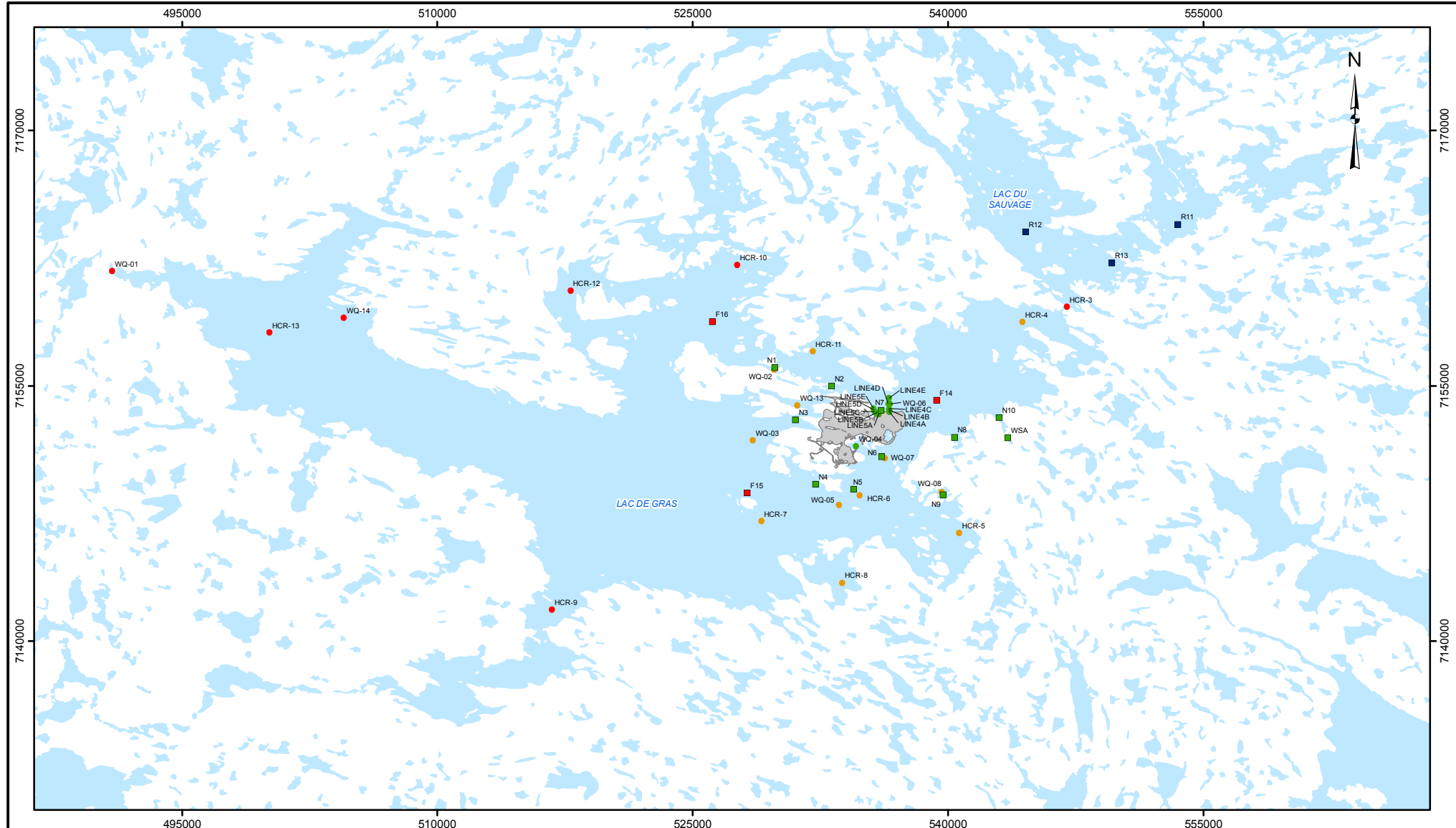
I:\2009\09-1328\09-1328-0021\Mapping\MXD\2009AEMPUpdate\09-1328-0021 Fig 3-10 Bathymetry Map of Lac de Gras East Side.mxd

**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
CADD	RML	20/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-11
REVIEW	GM	13/12/10	





LEGEND

BENTHIC LOCATIONS (1996)

- FAR FIELD
- NEAR FIELD
- REFERENCE AREA

SEDIMENT QUALITY STATIONS (1996-2000)

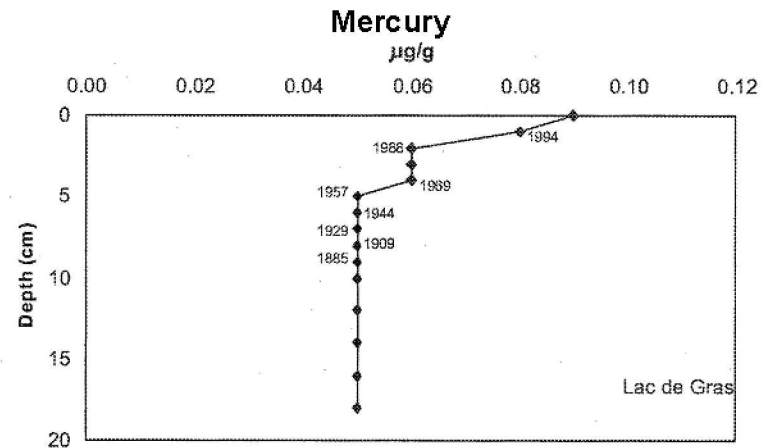
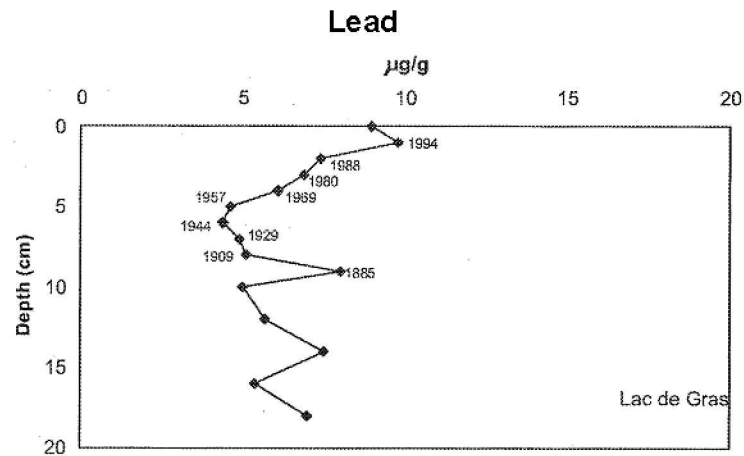
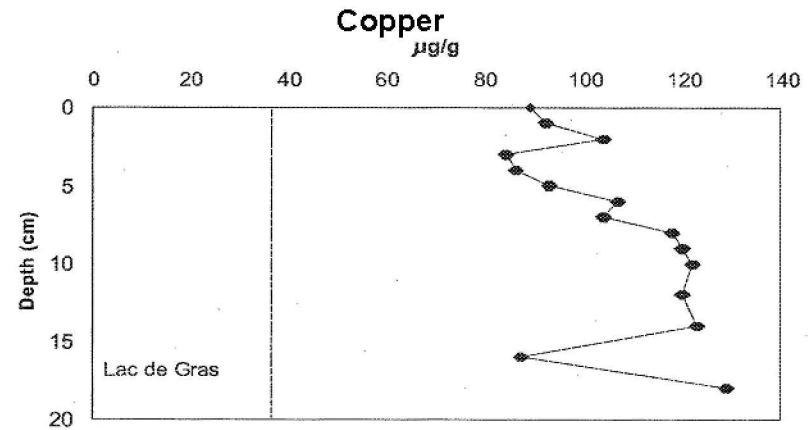
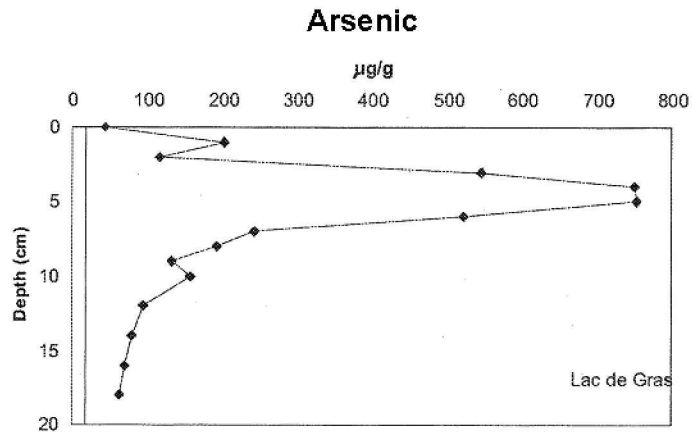
- FAR FIELD
- MID FIELD
- NEAR FIELD
- DIAVIK FOOTPRINT
- WATERBODY

REFERENCE

Projection: UTM Zone 12 Datum: NAD 83

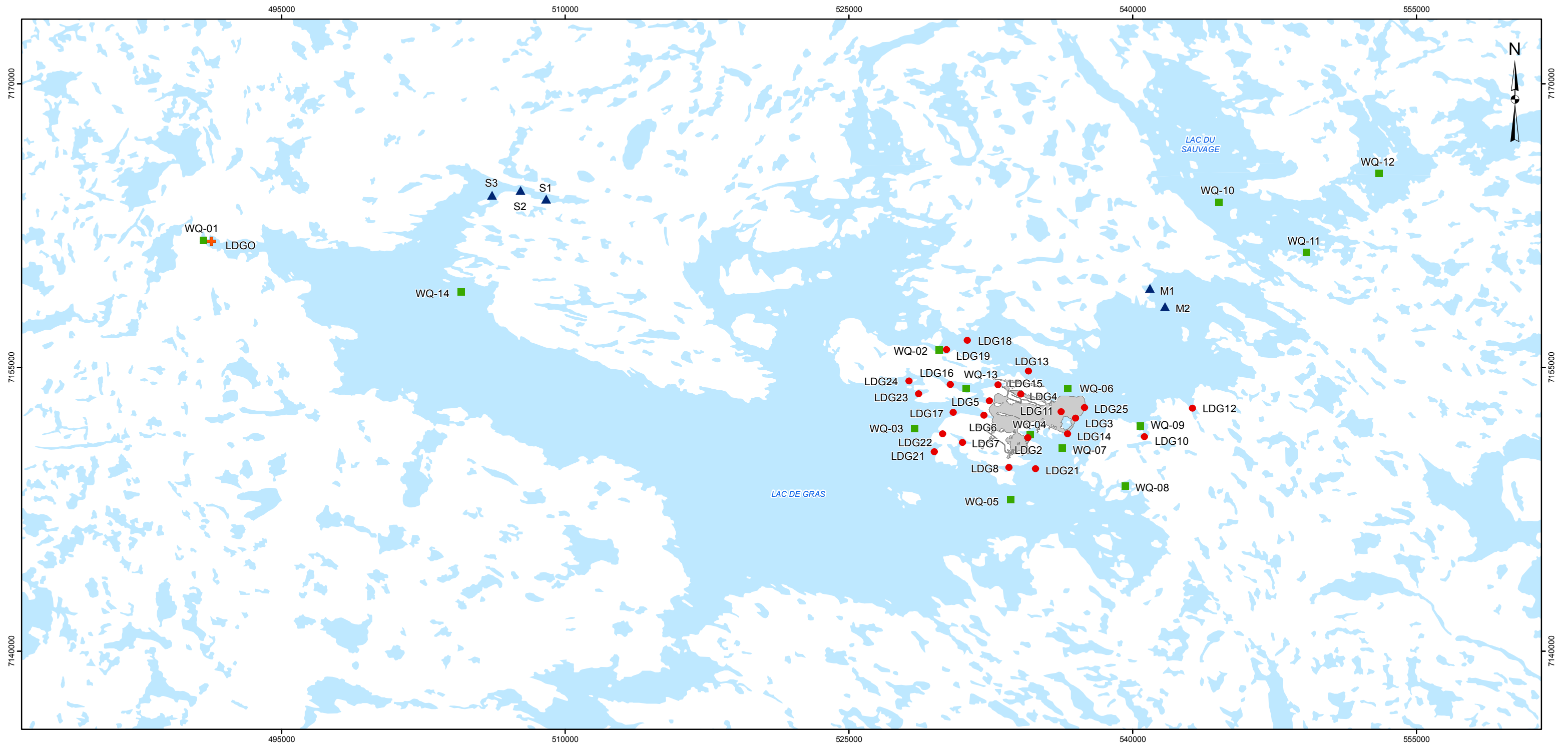


PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		SEDIMENT SAMPLING SITES FROM 1996 TO 2000	
	PROJECT NO.	09-1328-0021	SCALE AS SHOWN
	DESIGN	TD 18 Nov. 2009	FIGURE: 3-12
	GIS	RL 19 Nov. 2009	
	CHECK	TD 24 Nov. 2009	
REVIEW	GM 24 Nov. 2009	REV. 0	



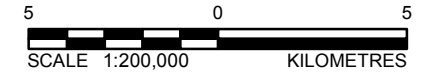
PROJECT			
DIAVIK DIAMOND MINES NORTHWEST TERRITORIES			
TITLE			
CONCENTRATIONS OF TRACE METALS IN SEDIMENTS FROM LAC DE GRAS, 2000			
PROJECT	09.1328.0021	FILE No.	0913280021C046
DESIGN	TD	26/11/09	SCALE AS SHOWN
CADD	TRE	26/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-13
REVIEW	GM	13/12/10	





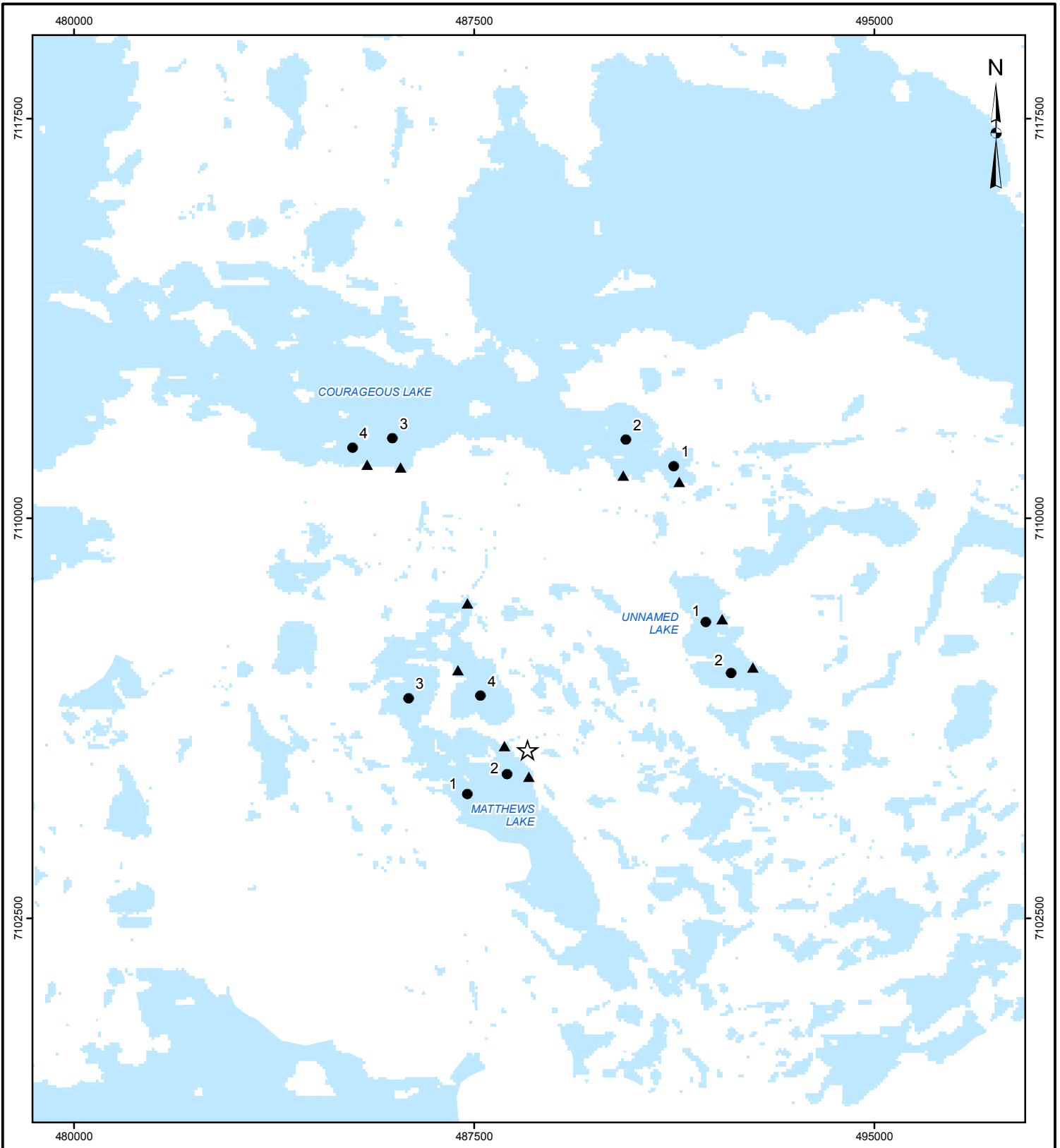
- LEGEND**
- 1994 - 1995 MONITORING STATION
 - 1996 - 1999 MONITORING STATION
 - ▲ BHP AEMP MONITORING STATION
 - ⊕ DIAND WATER QUALITY STATION
 - DIAVIK FOOTPRINT
 - WATERBODY

REFERENCE
 Projection: UTM Zone 12 Datum: NAD 83



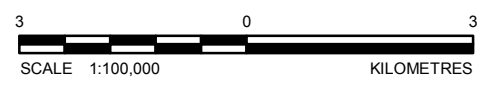
PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		WATER QUALITY SAMPLING STATIONS DURING THE BASELINE SURVEYS	
PROJECT No. 09-1328-0021		SCALE AS SHOWN	REV. 0
DESIGN	TD 18 Nov. 2009		FIGURE: 3-14
GIS	RL 19 Nov. 2009		
CHECK	TD 24 Nov. 2009		
REVIEW	GM 24 Nov. 2009		

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



LEGEND

- ▲ LITTORAL
- ☆ ORE DEPOSIT
- PELAGIC
- WATERBODY



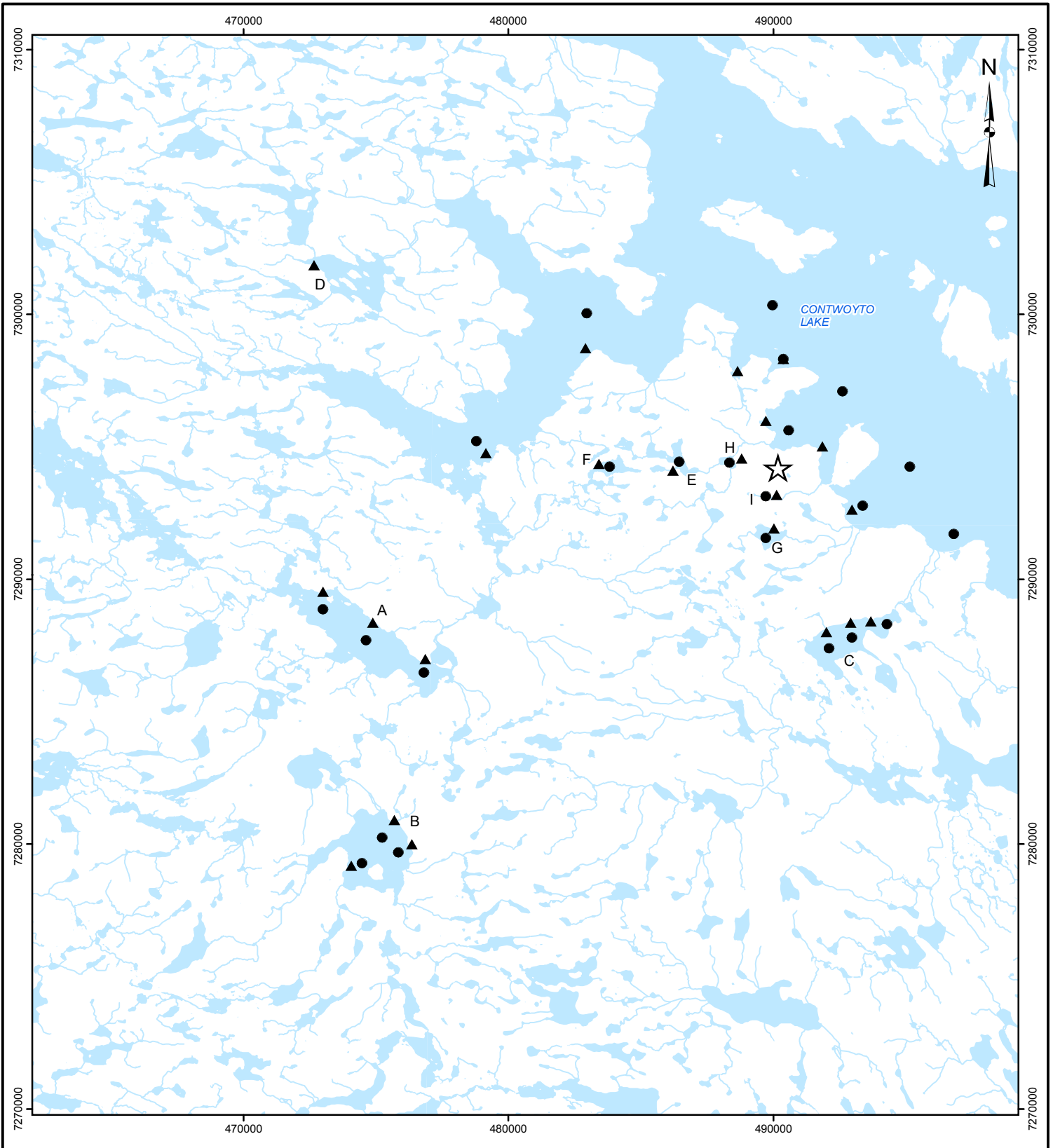
REFERENCE

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\2009AEM\PI\update\09-1328-0021 Fig 3-16 Location of Contwoyto Lake.mxd

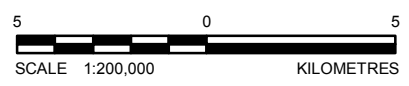


LEGEND

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

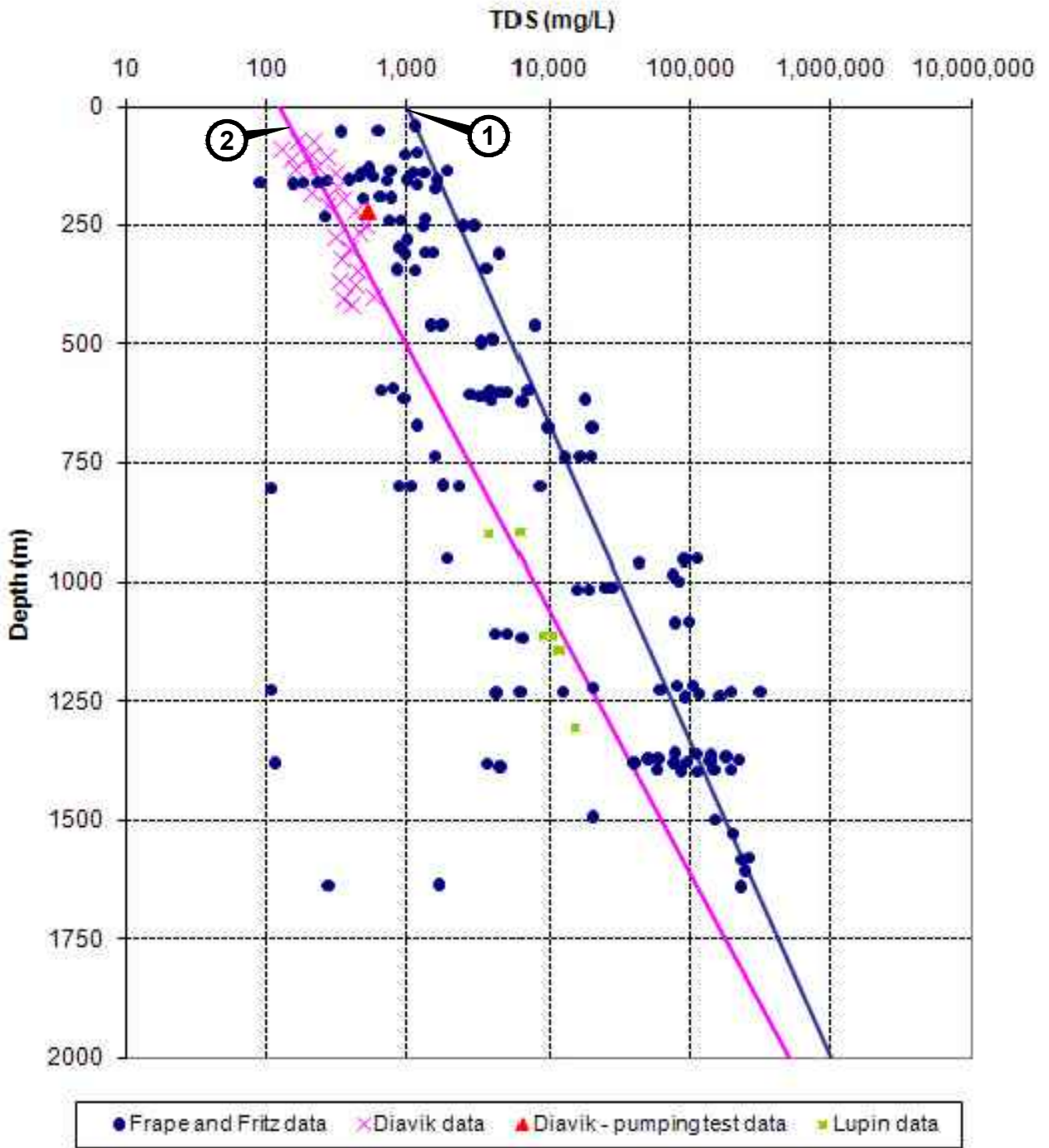
REFERENCE

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		DIAMIK 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		





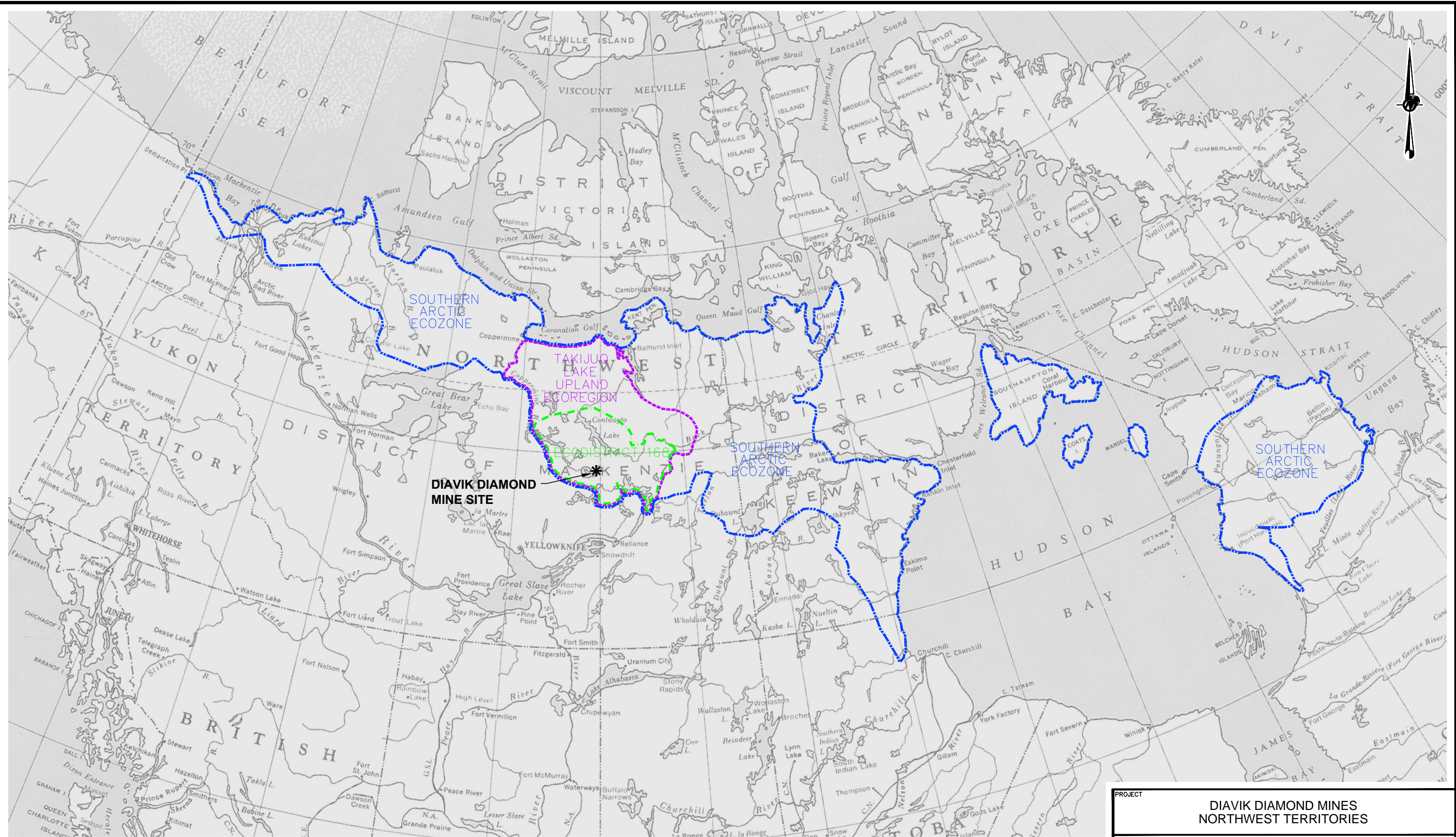
NOTE

- 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
CADD	TRE	26/11/09		REV.	0
CHECK	TD	13/12/10		FIGURE: 3-17	
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



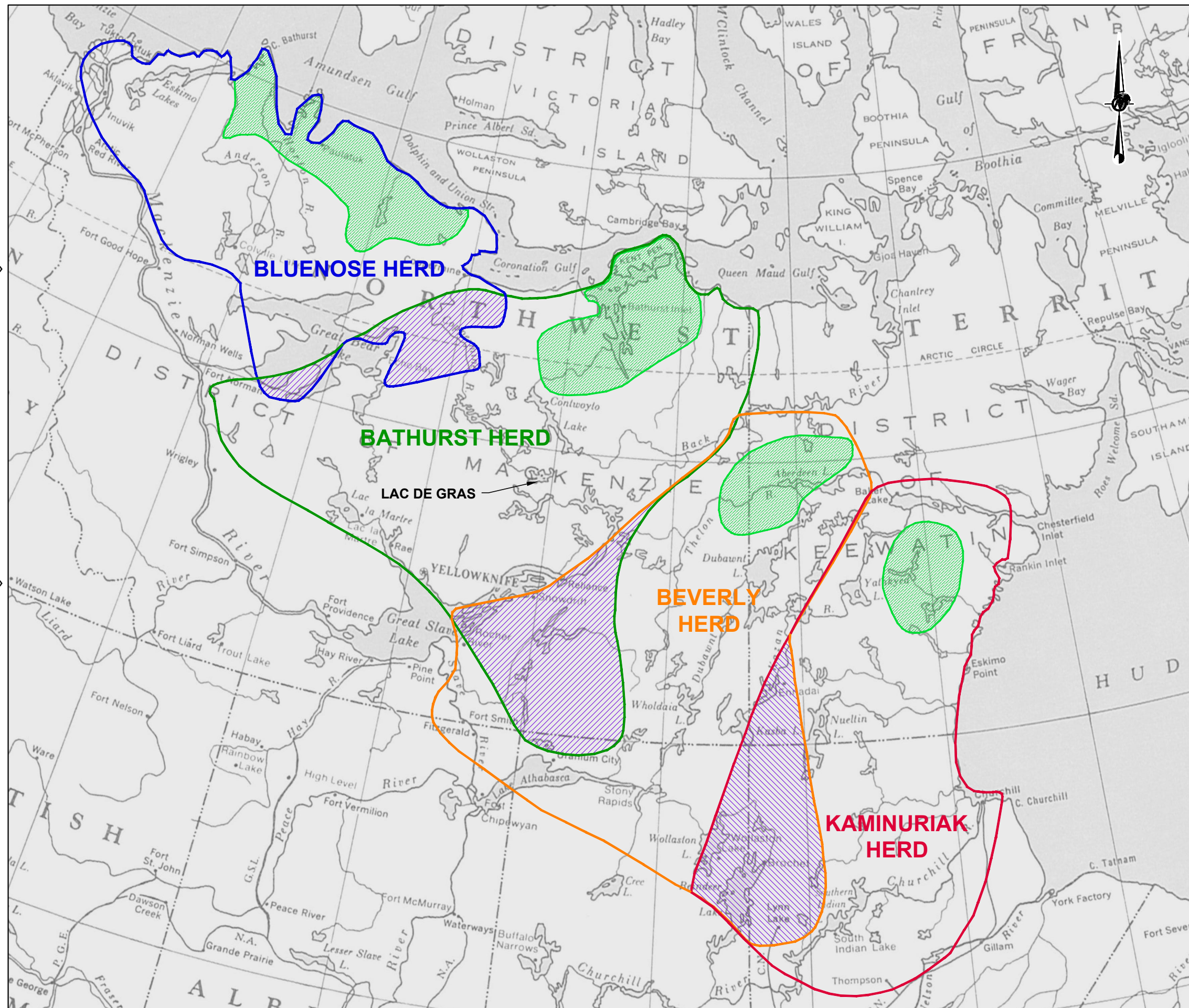
LEGEND	
	SOUTHERN ARCTIC ECOZONE
	TAKIJUQ LAKE UPLAND ECOREGION
	ECODISTRICT 168

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

PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		ECOZONES	
PROJECT 09.1328.0021		FILE No. 0913280021C009	
DESIGN TD	04/11/09	SCALE AS SHOWN	REV. 0
CADD JEF	18/11/09		
CHECK TD	13/12/10	FIGURE: 3-18	
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



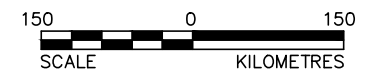
LEGEND

- 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		

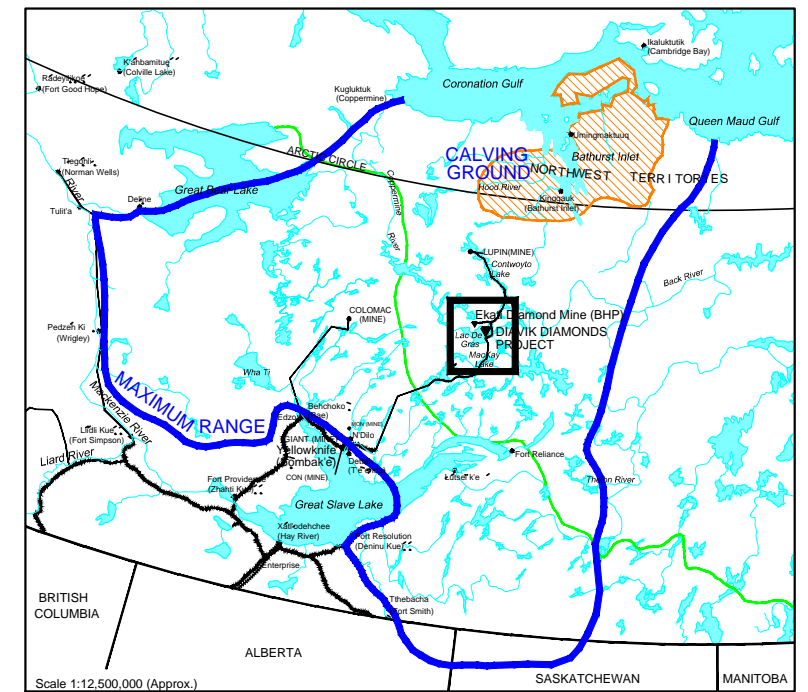
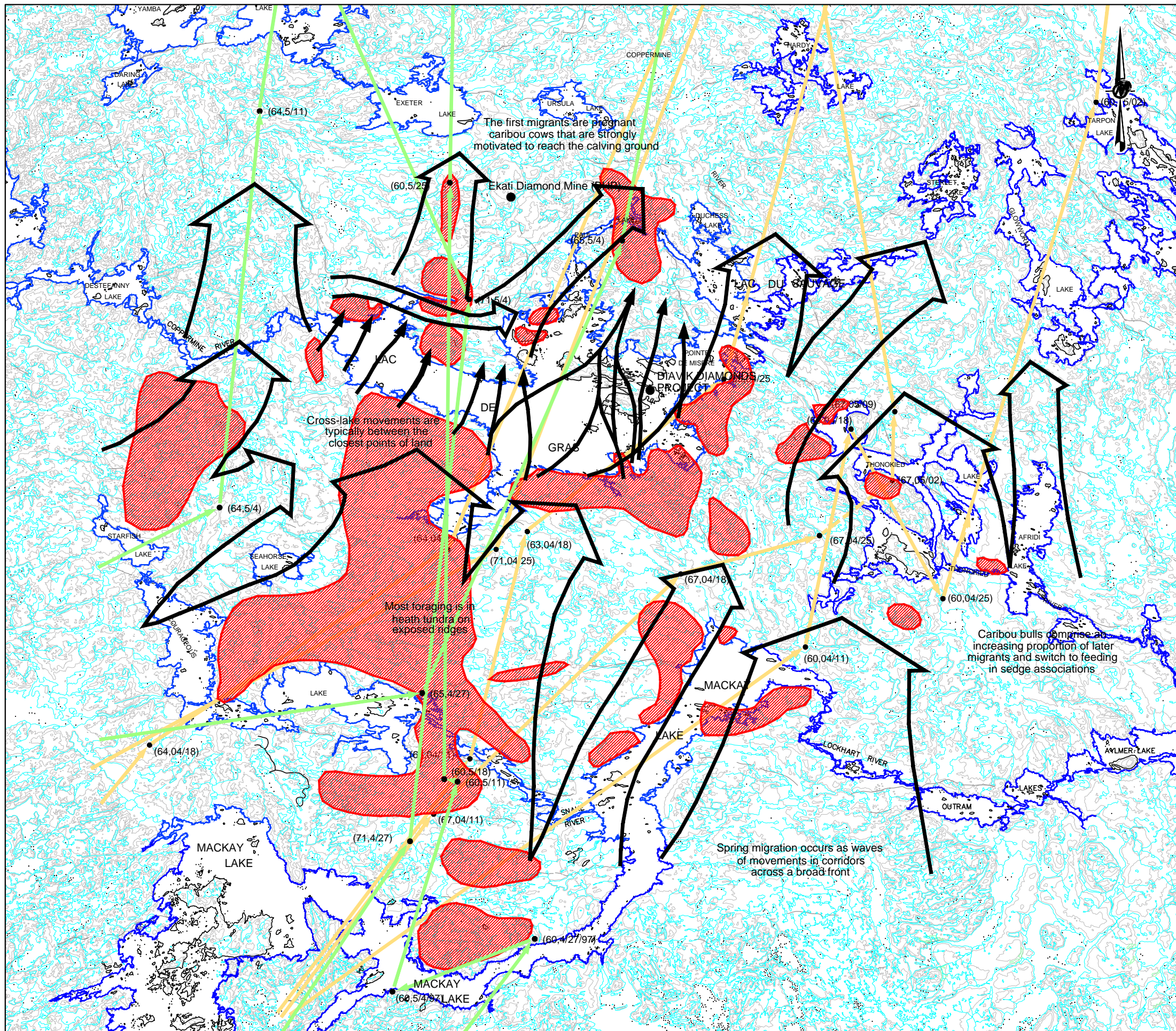
FG

FF

FE

JE

L:\2009_1328_Yknife\09-1328-0021\11000\Report_C_11100\Fig_3-21_0913280021C012_Spring_Caribou_Movements.dwg Dec 15, 2010 - 9:30am



The caribou movement maps and the regional study area encompass a small portion of the Bathurst caribou range.

LEGEND

- CONCENTRATED FEEDING AREA
- BROAD CORRIDOR
- NARROW TRAVEL ROUTES
- SATELLITE COLLARED COW: 1996 NUMBER, MONTH, DAY AND DIRECT LINE MOVEMENTS
- SATELLITE COLLARED COW: 1997 NUMBER, MONTH, DAY AND DIRECT LINE MOVEMENTS

NOTES

NATIONAL TOPOGRAPHICAL DATA BASE SETS 76C, 76D, 75M, AND 75N FROM GEOMATICS CANADA

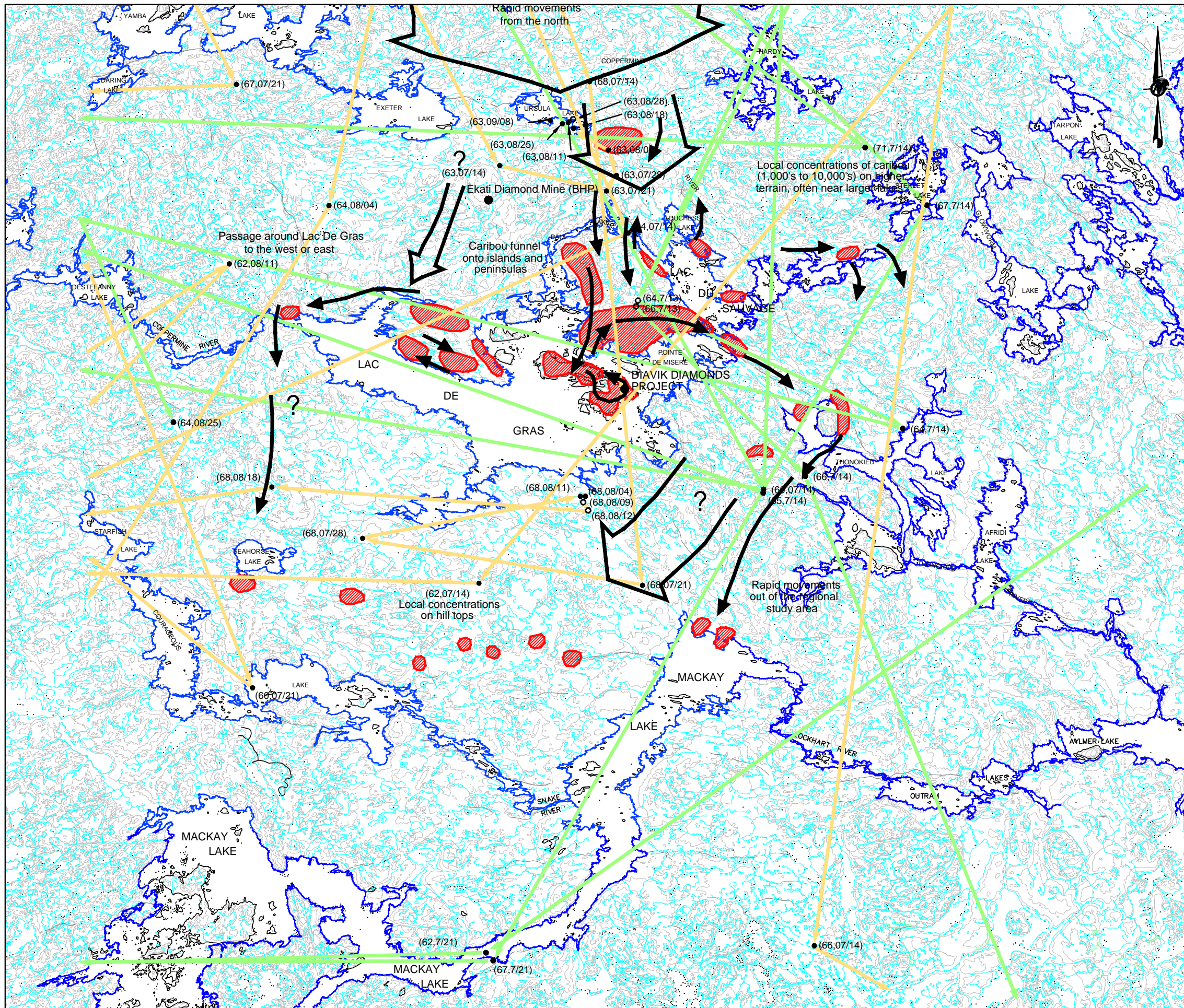
REFERENCE

ESTIMATED PASSAGE 1996: 100,000 CARIBOU
ESTIMATED PASSAGE 1997: 70,000 CARIBOU



PROJECT		DIAMOND MINES INC.	
		NORTHWEST TERRITORIES	
TITLE		CARIBOU SPRING MOVEMENTS EARLY APRIL TO MID-JUNE 1996 AND 1997 SURVEYS	
	PROJECT	09.1328.0021	FILE No. 0913280021C012
	DESIGN	TD 04/11/09	SCALE AS SHOWN REV. 0
	CADD	RML 04/11/09	
	CHECK	TD 13/12/10	FIGURE: 3-21
REVIEW	GM 13/12/10		

L:\2009\1328 Yknife\09-1328-0021\11000\Report_C_11100\Fig_3-22_0913280021C013 Mid-Summer Caribou Movements.dwg Dec 15, 2010 9:31am



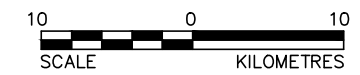
- CONCENTRATED FEEDING AREA
- BROAD CORRIDOR
- NARROW TRAVEL ROUTES
- SATELLITE LOCATIONS
- VHF LOCATIONS
- SATELLITE COLLARED COW: 1996
NUMBER, MONTH, DAY AND DIRECT LINE MOVEMENTS
(64,04/18)
- SATELLITE COLLARED COW: 1997
NUMBER, MONTH, DAY AND DIRECT LINE MOVEMENTS
(64,04/11)

NOTES

ESTIMATED PASSAGE 1996: 26,000 CARIBOU
ESTIMATED PASSAGE 1997: 80,000 CARIBOU

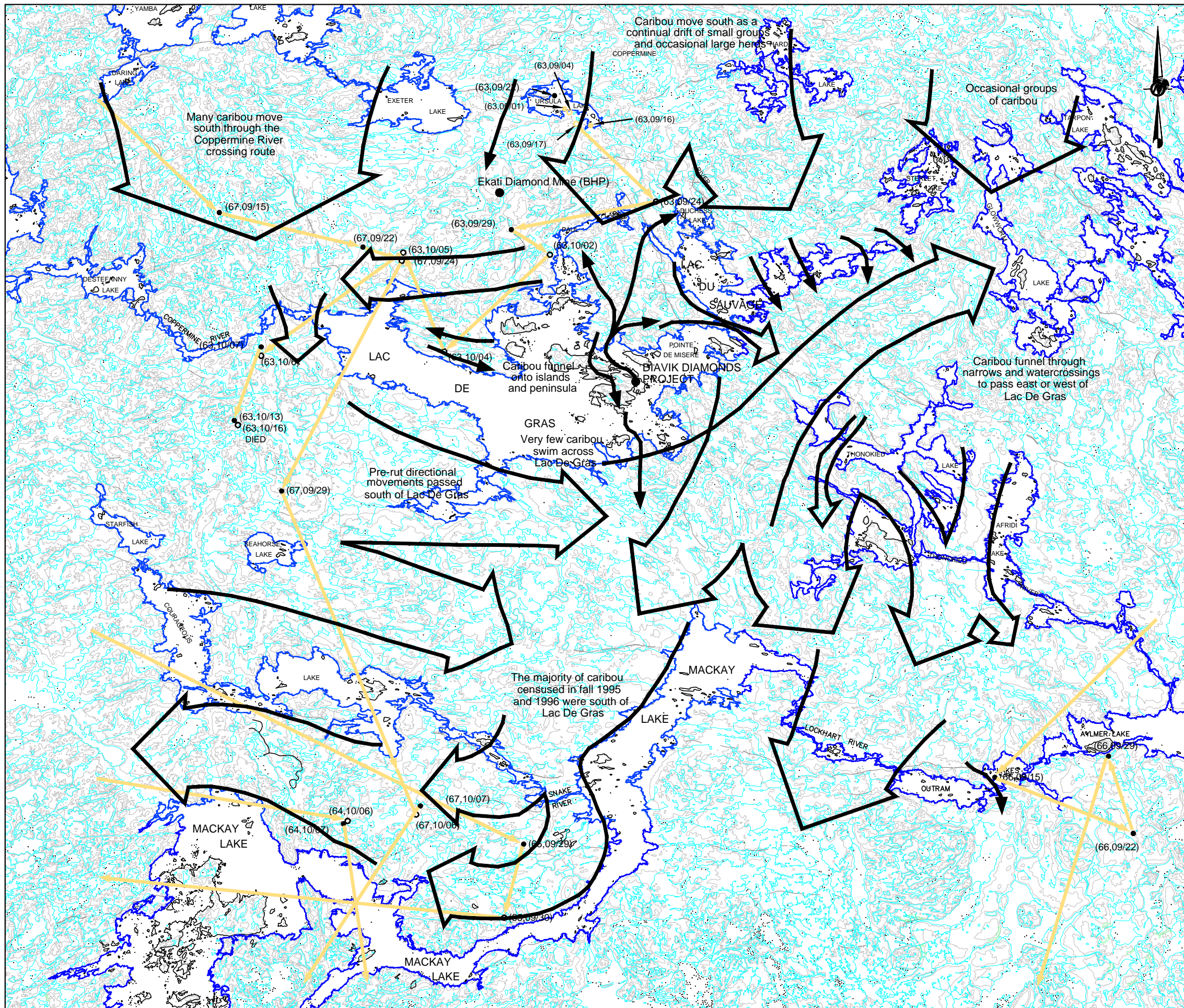
REFERENCE

NATIONAL TOPOGRAPHICAL DATA BASE SETS 76C, 76D, 75M, AND 75N
FROM GEOMATICS CANADA








PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		CARIBOU MID-SUMMER RETURN MOVEMENTS JULY 12 TO 30: 1996 AND 1997 SURVEYS	
PROJECT	09.1328.0021	FILE No.	0913280021C013
DESIGN	TD	04/11/09	SCALE AS SHOWN
CADD	RML	04/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-22
REVIEW	GM	13/12/10	





LEGEND

-  BROAD CORRIDOR
-  NARROW TRAVEL ROUTES
-  SATELLITE LOCATIONS
-  VHF LOCATIONS
-  SATELLITE COLLARED COW: 1996 NUMBER, MONTH, DAY AND DIRECT LINE MOVEMENTS

NOTES

ESTIMATED PASSAGE 1995: 100,000 CARIBOU
 ESTIMATED PASSAGE 1996: 90,000 CARIBOU

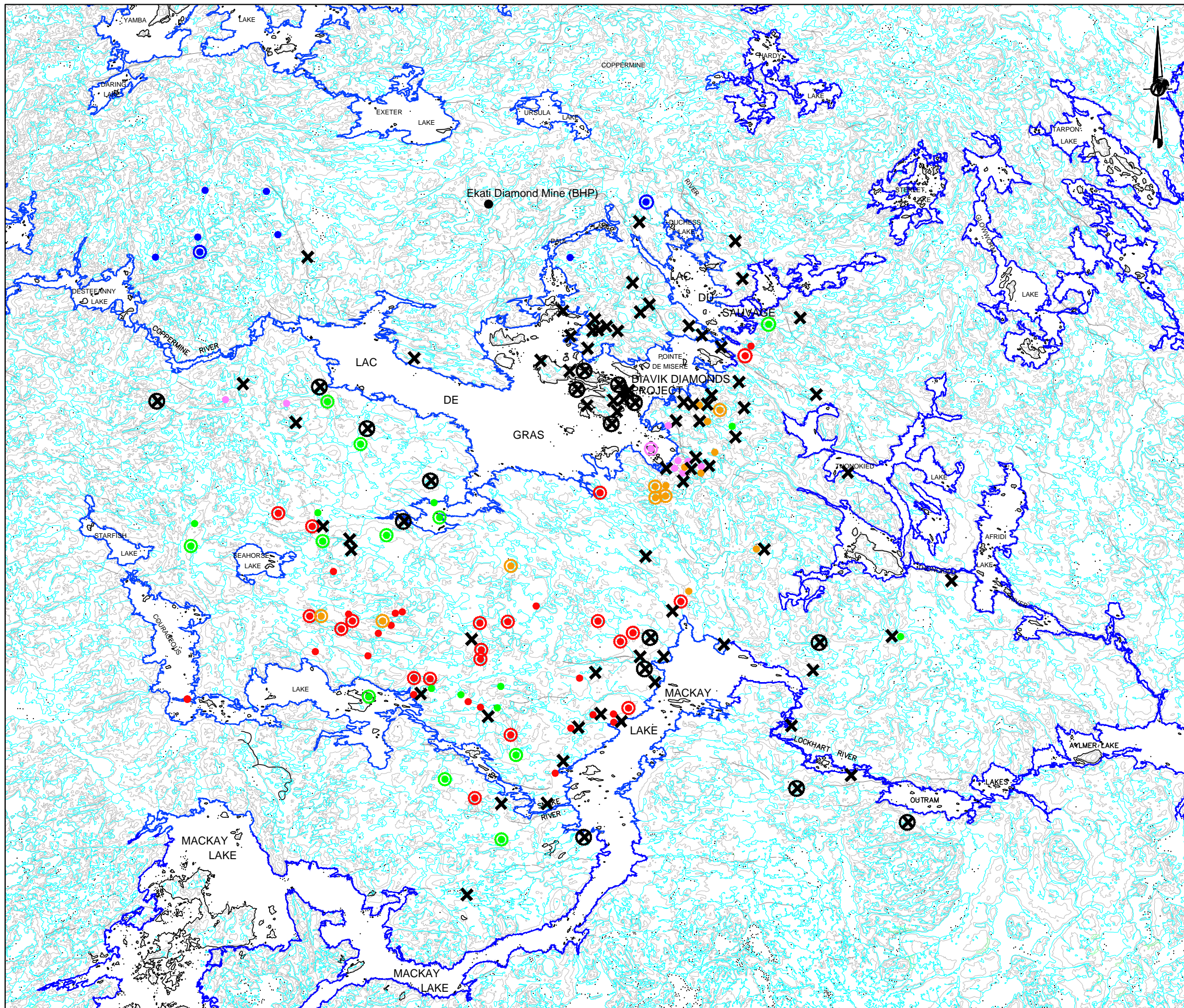
REFERENCE

NATIONAL TOPOGRAPHICAL DATA BASE SETS 76C AND 76D, FIRST EDITION SOURCE: GOLDIER ASSOCIATES LTD. 1997a PENNER AND ASSOCIATES LTD.



PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		CARIBOU FALL MOVEMENTS SEPTEMBER 15 TO OCTOBER 15: 1995 AND 1996 SURVEYS	
PROJECT	09.1328.0021	FILE No.	0913280021C014
DESIGN	TD	04/11/09	SCALE AS SHOWN
CADD	RML	04/11/09	REV. 0
CHECK	TD	13/12/10	FIGURE: 3-23
REVIEW	GM	13/12/10	





LEGEND

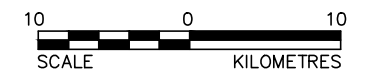
- SASHA - G639
- BOSS - G637
- CHRISSY - G652
- JEFF - G661
- JOSEPH - G636
- ✕ UNKNOWN BEAR AND COLLARED BEARS WITH <5 LOCATIONS *
- SITES OF HABITAT USE ASSESSMENT

NOTES

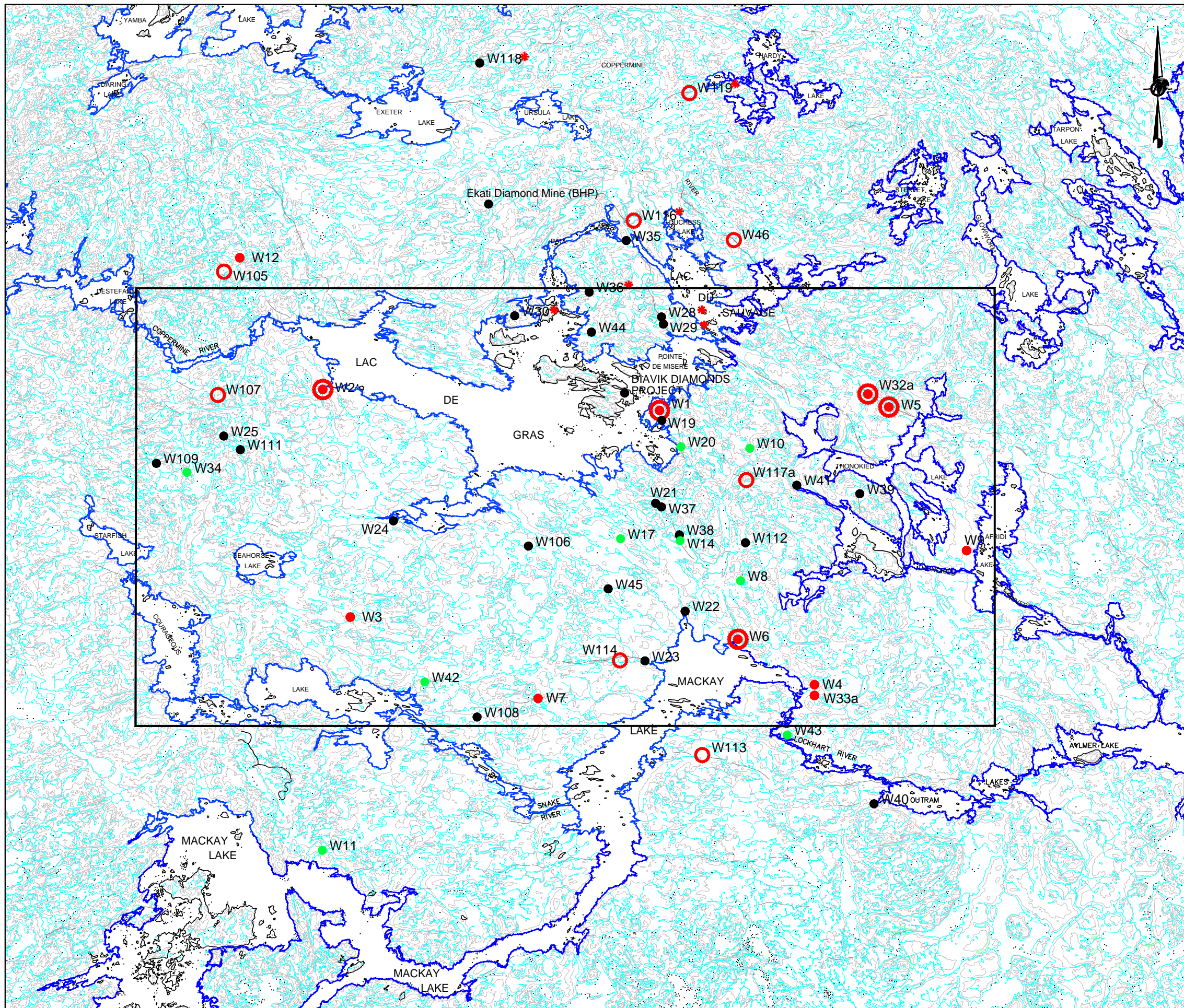
* THE CONCENTRATION OF GRIZZLY BEAR LOCATIONS ON THE EAST ISLAND AND LOCAL STUDY AREA IS DUE TO OPPORTUNISTIC SIGHTINGS IN THE AREA OF MORE INTENSIVE WILDLIFE SURVEY COVERAGE.

REFERENCE

NATIONAL TOPOGRAPHICAL DATA BASE SETS 76C, 76D, 75M, AND 75N
FROM GEOMATICS CANADA
SOURCE: PENNER AND ASSOCIATES



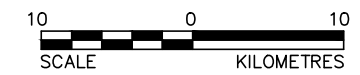
PROJECT		DIAVIK DIAMOND MINES NORTHWEST TERRITORIES	
TITLE		GRIZZLY BEAR LOCATIONS AND HABITAT USE ASSESSMENTS	
	PROJECT	09.1328.0021	FILE No. 0913280021C015
	DESIGN	TD 04/11/09	SCALE AS SHOWN REV. 0
	CADD	RML 04/11/09	FIGURE: 3-24
	CHECK	TD 13/12/10	
REVIEW	GM 13/12/10		



LEGEND

- BOUNDARY OF INTENSIVE DEN SEARCH AREA
- NATAL DEN SITES (1996 & 1997)
- NATAL DEN SITES (1997)
- NATAL DEN SITES (1996)
- ACTIVE DEN SITES
- OLD OR INACTIVE DEN SITES
- W1 DATABASE RECORD
- W30 * SOURCE BHP(1995,1997)
- W32a ALTERNATE NATAL DEN

REFERENCE
 NATIONAL TOPOGRAPHICAL DATA BASE SETS 76C, 76D, 75M, AND 75N
 FROM GEOMATICS CANADA
 SOURCE: PENNER AND ASSOCIATES



PROJECT	DIAVIK DIAMOND MINES NORTHWEST TERRITORIES			
TITLE	WOLF DEN SITES			
	PROJECT	09.1328.0021	FILE No.	0913280021C016
	DESIGN	TD	04/11/09	SCALE AS SHOWN
	CADD	RML	04/11/09	REV. 0
	CHECK	TD	13/12/10	FIGURE: 3-25
REVIEW	GM	13/12/10		