403200 mE | 403400 mE | 403600 mE | 403800 mE | 404000 mE | 404200 mE

6579000 mN | 6578800 mN | 6578600 mN | 6578400 mN | 6578200 mN | 6578000 mN | 6577800 mN | 6577600 mN

N W E S

glacial debris-river bank

6+00 N

grassy

mica

MC-046-021

cg. 6a

1b

5+00 N

f.g. 6a

float c.g. laminated olivine,serp,magnetic

6a

4+00 N

mica

MC-046-021

1b 1b

6a shark's fin

150 cm 6a

3+00 N

1b

gossan transported

humpy tundra

2+00 N

Prospective Area

rich grassy zone

1+00 N

blowout

frost boils tundra

6a

MC-044-021

(hand spec.) bldr

6a

85

0+00 N

trench 5.5m wide with blowout breccia, micaceous kim,serp,rare calcite, angular blocks basement gneiss

brecciated blowout, kim gn,qtzite fragments

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kim dyke

scree

1 △6c 1

1

140 cm 1

6a

210 cm 1

180 cm 6a

6a,c

MC-042-02

1

mica rich soil

1 1

1 △6a

MC-041-02

20kg

165 cm

1

18+00N

17+00N

16+00N

15+00N

phlog. rich otc.

phlog.,kimberlite, olivine,serp., calcite, mag.

hard m.g. nodular kim phlog<40% Cr. diopside cpx, olivine, 30% phlog 40% serp, magnetic only a few calcite zones

mag. nodule poor c.g. phlog rich kim, serp, olivine

kim, phlog, serp, cpx, tr calcite, weakly mag. laminated

LEGEND

- 6 KIMBERLITE
  - 6a micaceous
  - 6b carbonate
  - 6c clinopyroxene
  - 6d non reactive, leucite / monticellite
  - 6e serpentine
- 5 GABBRO ,DIABASE, BASIC DYKE
- 4 PERIDOTITE
- 3 PEGMATITE SILLS, DYKES
- 2 GRANITE / GRANULITE
  - 2a granodiorite
  - 2b diorite
- GNEISSES
  - PARAGNEISS
  - 1 undifferentiated gneiss
  - 1a granite gneiss >20% garnets
  - 1b quartz, biotite,graphite,pyrite with rusty spots
  - 1c quartz, feldspar, garnet gneiss
  - 1d marble, calc-silicate, nodular weathering
  - ORTHOGNEISS
  - 1e quartz, feldspar, amphibole-amphibolite

△ Float

outcrop

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3d Geology of the Henri Kimberlite System HENRI DYKE–North
NTS: 24P/07 DDI–7	
Date: Aug. 26 / 2002	
Geology: Mark Connell	
Drawn: J.L.Webster	
Scale: 1 : 2500	0 25 50 100 metres

403200 mE | 403400 mE | 403600 mE | 403800 mE | 404000 mE | 404200 mE

6577600 mN

kim, phlog, serp,cpx,tr.
calcite weakly mag.
laminated

MC-041-02
20kg
165 cm

mica rich soil

15+00N

weakly laminated kim dyke
10 m dyke 40% c.g. phlog
20% serp+olivine, 10% cpx

kim, mica,serp,cpx

mica soil
150 cm
210 cm

c.g. phlog., serp, cpx,
minor olivine, no calcite,
magnetic

MC-040-02 20 cm

f.g. nodular
micaceous kim

14+00N

nodular kim
50% serp/mica

boulders

6577400 mN

mica,kim, 35% serp,
50% phlog.~15% olivine
~10% pyroxene

MC-039-02 180 cm

laminated micaceous
serp, kim

170 cm

150 cm

40% phlog, 50% serp

chilled f.g.walls,
c.g. interior

cliff

grass

6,5? 10 cm

MC-038-02

fine grained chilled
kim/basic dyke?

13+00N

well banded kim, nodular, mica,
serp,kim

330 cm

calcite ~60% phlog, serp,
olivine, magnetic

270 cm

GV-002-02

20% mica, f.g. oliv,
oliv,serp, magnetic

large bldrs of laminated kim
up to 100% phlog
~5 cm thin serp zones with cpx,oliv.

230 cm

BLH jogs 7 m west

120 cm

serp nodules 3 cm

tr. calcite mica kim

240 cm

MC-037-02

kim laminated
micaceou,cpx,serp

230 cm

cliff

12+00N

5cm laminae of mica, cpx rich zones

MC-036-02

magnetic 60% phlog,
olivine, serp,no calcite

6577200 mN

moss

micaceous kim float

11+00N

kim laminated f.g. nodular,
calcite rough gr,gy surface
possible garnet

mica

mica in frost boil

minor mica in soil

10+00N

frost boils

no
mica

scree

talus

9+00N

mica soil

MC-035-02

mica, kim, phlog
olivine, serp
<2% cpx

130 cm

2-5 m

8+00N

no calcite
kim subcrop
phlog, oliv., cpx, serp

1.30 cm

grassy zone

20 kg cg.micaceous kim

MC-034-02

scree

kim c.g phlog.,serp

1.5-2.0 m

MC-033-02

150 cm

6576800 mN

frost boil with phlog

7+00N

kim

c.g.,phlog rich kimberlite
serp., olivine

170 cm

6+00N

s c r e e

6576400 mN

talus,scree slope

scree

2+00N

c.g. micaceous kim ,phlog.
weakly laminated in stream
140 cm wide

MC-032-02

calcite
zone

snow in crevasse

kim, mica, nodules

1+00N

MC-031-02

MC-030-02

c.g. mica,
calcite, serp

mica kim
+1 m bldr

creavace sill?

nodules kim,
c.g.mica

5-70 cm bldrs

0+00N

6576200 mN

100 cm

pebbly kimberlite
garnets, olivine
phlog, CaCo3, slightly
serp, coarse
pyroxene~20%

V105040

rusty

V105043

knobby
sample

6576000 mN

330 cm

V105029

Henri Dyke ends here
60 cm crack continues to
here

30 cm
wide

ice

6575800 mN

V105030

Henri West Dyke

V105037

phlog 10%, oliv.35%(clear),
pyroxene 25%,carbonate 40%

6575600 mN

Peter Lake Dyke Trace

LEGEND

- 6 KIMBERLITE
- 6a micaceous
- 6b carbonate
- 6c clinopyroxene
- 6d non reactive, leucite / monticellite
- 6e serpentine
- 5 GABBRO, DIABASE, BASIC DYKE
- 4 PERIDOTITE
- 3 PEGMATITE SILLS, DYKES
- 2 GRANITE / GRANULITE
- 2a granodiorite
- 2b diorite

GNEISSES

PARAGNEISS

- 1 undifferentiated gneiss
- 1a granite gneiss >20% garnets
- 1b quartz, biotite,graphite,pyrite with rusty spots
- 1c quartz, feldspar, garnet gneiss
- 1d marble, calc-silicate, nodular weathering

ORTHOGNEISS

- 1e quartz, feldspar, amphibole-amphibolite

- Float
- Outcrop

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DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3e Geology of the Henri Kimberlite System HENRI DYKE - South
NTS: 24P/07 DDI-7	
Date: Aug. 26 / 2002	
Geology: Mark Connell	
Drawn: J.L.Webster	
Scale: 1 : 2500	0 25 50 100 metres

404800 mE | 404900 mE | 405000 mE | 405100 mE | 405200 mE | 405300 mE

6577700 mN | 6577600 mN | 6577500 mN | 6577400 mN | 6577300 mN | 6577200 mN

N W E S

older sill mafic. no foliation, cpx,p phlogophite, biotite magnetite. Possible Branch

cr diopside,serp, calcite 6a,6c garnets, olivine cr-diopsite

MC-025-02

6a,6c

phlog. kimberlite, with cpx, calcite, garnet

GV-003-02

6a "shark's fin" kim mica

weakly laminated irregular nodular kim, serp, olivine

turbulently fractured zone

phlog,kimberlite (6a) cpx,calcite, sulfate Tr Po

GV-002-02

6a, olivine serpentine, calcite

6c, cpx kim spectacular 3 cm x 7 cm mantle olivine with 50+ cr diopsides

GV-001-02

6a, with calcite 5 cm nodular surface

MC-024-02

MC-023-02

more phlogophite

Kimberlite Transition Line

more cpx

3 m waterfall

obt parallel fractures >5-1 m

2.5 m waterfall

offset kim dyke~ 1 m wide

2-10,15 cm wide kim dyke
kim xenoliths

qtzite

cpx,phlog,,olivine, calcite,serp 6c

MC-022-02

90 cm dyke pinches in walls and bifurcation
triangular otc. of kim offshoot disappears into wall

30 cm dyke kim 6c

4 dykes

spherical wall fractures ~10m

90 cm

angular breccia zone xenoliths of gn to 40 cm Average
10-20 cm in kim matrix

kim dyke 20 cm

6a, 1.3m, nodules

50 cm kim, large cpx, nodular rough megacrystic surface

MC-021-02

30 cm kim

60 cm kim 6c

40 cm kim dyke

mag., cpx, phlog

20 cm
50 cm
50 cm
10 cm

60 cm kim

phlog, oliv., serp, cpx

kim
kim

80 cm

6a

bifurcating 3 kim dyke total 40 cm

GV-082-02

ta2-02-02

waterfalls

150 cm wide

30 cm kim

fractured wall rocks

otc kim 25 cm wide

60 cm wide

kim rotated 40°

6c GV-081-02

olivine rich, nodular kim, calcite, veins + patches Cr diopside

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LEGEND

- 6 KIMBERLITE
- 6a micaceous
- 6b carbonate
- 6c clinopyroxene
- 6d non reactive, leucite / monticellite
- 6e serpentine
- 5 GABBRO ,DIABASE, BASIC DYKE
- 4 PERIDOTITE
- 3 PEGMATITE SILLS, DYKES
- 2 GRANITE / GRANULITE
- 2a granodiorite
- 2b diorite

GNEISSES

PARAGNEISS

- 1 undifferentiated gneiss
- 1a granite gneiss >20% garnets
- 1b quartz, biotite,graphite,pyrite with rusty spots
- 1c quartz, feldspar, garnet gneiss
- 1d marble, calc-silicate, nodular weathering

ORTHOGNEISS

- 1e quartz, feldspar, amphibole-amphibolite

△ Float

⬡ Outcrop

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3f Geology of the St. Pierre System NORTH ZONE
NTS: 24P/07 DDI-7	
Date: Aug.02 / 2002	
Geology: Mark Connell	
Drawn: J.L.Webster	
Scale: 1 : 1000	0 25 50 metres

404600 mE
404800 mE
405000 mE
405200 mE
6577200 mN
6577000 mN
6576800 mN
6576600 mN
6576400 mN
6576200 mN
6576000 mN
6575800 mN
N
W
E
S
Continue 1:1000 mapping here
End of 1:2500 mapping here
6 dykes
10cm nod dyke 6c
105070
(GV082-02)
3m waterfalls
6c, lesser calcite
150cm wide 6c
1c
1c
85
30cm wide 6c
6c,a
2+00
GV-081-02
basic sill
1+00N
6c
GV-080-02
Apron of glacial debris moving down slope
6c with olivine ygr, nodular cpx, rare garnets, cr.diopside, xenoliths to 12 cm, f. calcite vein +blebs nearby blowout
GV-079-02
0+00N
4 cm fragment kim
bldr 1m long+30cm wide,micaceous
6a
mud & rock slides
terraces
solifluction
1b
1c
1e
thick apron of glacial debris
rounded 11 cm kim fragment
1
1
1
1
3
7+00N
apron of glacial debris
6+00N
terrace
spurious bldrs?
1
magnetometer response +500 nt spurious bldrs
1
?
5+00N
6b
10 cm nodule
4+00
6b
50 cm with garnet
1 scree
6c - 120 cm wide
3+00
80
Calcite kimberlite (6b) weakly nodular, mica poor, nods.cpx.~10%
6b
2 separate fluxgate mag zones
1
1
1
low mica, calcite weakly magnetic, no olivine pyroxene, kimberlite
~20 cm 6b,c
2+00
cr, diopside 2mm, in dark cpx rich kimberlite (6c) nodules - cpx. opx with olivine, calcite, minor phlog. and garnet
GV-075-02
6c
6a,c
1
1
GV-074-02
40cm wide kim dyke 6c, olivine, calcite,vfg with some phlog, nodular, livine rich cpx
1+00
nodular olivine kim dyke (6c) (no mica)
GV-073-02
6c
80 cm wide micaceous kim dyke 6a
Ta2-03-02
0.5m wide
mountain pass/col
6c
Mica poor pyroxene kimberlite (6c) nodular, olivine
GV-072-02
0+00
Ta2-01-02

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LEGEND

- 6 KIMBERLITE
- 6a micaceous
- 6b carbonate
- 6c clinopyroxene
- 6d non reactive, leucite / monticellite
- 6e serpentine
- 5 GABBRO ,DIABASE, BASIC DYKE
- 4 PERIDOTITE
- 3 PEGMATITE SILLS, DYKES
- 2 GRANITE / GRANULITE
- 2a granodiorite
- 2b diorite

GNEISSES

PARAGNEISS

- 1 undifferentiated gneiss
- 1a granite gneiss >20 % garnets
- 1b quartz, biotite,graphite,pyrite with rusty spots
- 1c quartz, feldspar, garnet gneiss
- 1d marble, calc-silicate, nodular weathering

ORTHOGNEISS

- 1e quartz, feldspar, amphibole-amphibolite

△ Float

Outcrop

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3g Geology of the St. Pierre System **SOUTH ZONE**
NTS: 24P/07 **DDI-7**	
Date: Aug. / 2002	
Geology: Mark Connell	
Drawn: J.L.Webster	
Scale: 1 : 2500	0 25 50 100 metres

409000 mE

410000 mE

411000 mE

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6575000 mN

6574000 mN

6573000 mN

Bella Dyke System

Kim peridotite

MC-063

Kimberlite dyke

otc. kim calcite, olivine rich, garnets

MJR-004-02

70 cm wide

MJR-003-02

MJR-002-02

WP-060 mafic dyke

f.g. mafic dyke non mag.

WP-059

1

1

1

1

LEGEND

6 KIMBERLITE
6a micaceous
6b carbonate
6c clinopyroxene
6d non reactive, leucite / monticellite
6e serpentine

5 GABBRO ,DIABASE, BASIC DYKE

4 PERIDOTITE

3 PEGMATITE SILLS, DYKES

2 GRANITE / GRANULITE
2a granodiorite
2b diorite

GNEISSES

PARAGNEISS

1 undifferentiated gneiss
1a granite gneiss >20 % garnets
1b quartz, biotite,graphite,pyrite with rusty spots
1c quartz, feldspar, garnet gneiss
1d marble, calc-silicate, nodular weathering

ORTHOGNEISS

1e quartz, feldspar, amphibole-amphibolite

Float
Outcrop

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3h Geology of Mt. Jacques Rousseau NORTH SIDE OF COL
NTS: 24P/07 DDI-7	
Date: 12/5/2003	
Author: G. Mazerolle	
Drawn: J.L.Webster	
Scale: 1:10 000	0 250 500 metres

409000 mE

410000 mE

411000 mE

MJR-003-02

MJR-002-02

WP-060
mafic dyke

f.g. mafic dyke
non mag.

WP-059

6573000 mN

150 cm basic sill f.g.
weakly mag.

meta pelites,qtzites,
sillimanite gn

mafic dyke,
biotite,feldspar, muddy
beds/mafic para gn

gr. sills

150 cm crevasse
no kim

pink kspar
peg. dyke

qtzite meta pelites,
kspar blebs, abt joints

fault gouge

1e

deep pond

6572000 mN

MC-055-02

nod. kim
cr. diopside

peridotite augens
15 cm long in paragneiss

WP-58

major break

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6571000 mN

409000 mE

410000 mE

LEGEND

- 6 KIMBERLITE
- 6a micaceous
- 6b carbonate
- 6c clinopyroxene
- 6d non reactive, leucite / monticellite
- 6e serpentine
- 5 GABBRO ,DIABASE, BASIC DYKE
- 4 PERIDOTITE
- 3 PEGMATITE SILLS, DYKES
- 2 GRANITE / GRANULITE
- 2a granodiorite
- 2b diorite

GNEISSES

PARAGNEISS

- 1 undifferentiated gneiss
- 1a granite gneiss >20 % garnets
- 1b quartz, biotite,graphite,pyrite with rusty spots
- 1c quartz, feldspar, garnet gneiss
- 1d marble, calc-silicate, nodular weathering

ORTHOGNEISS

- 1e quartz, feldspar, amphibole-amphibolite

- Float
- Outcrop

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3i Geology of Mt. Jacques Rousseau CENTRE
NTS: 24P/07 DDI-7	
Date: 12/5/2003	
Author: G. Mazerolle	
Drawn: J.L.Webster	
Scale: 1:10 000	0 250 500 metres

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N W E S

408600 mE 408800 mE 409000 mE 409200 mE

7+00
WP-071
bldr
field
6a
kim bldr 60cm wide
kimberlite to 70 cm
6+00
felsenmeer
1
6575600 mN
6a
WP-070
V105060
1 1
WP-069
6a
1
5+00
1
low ground
6575400 mN
4+00
1
1 1
1
3+00
6575200 mN
1
6a
1 cm cg.phlog
30% calcite, serp,oliv
1
6b -1 cm oliv nodule
fg.oliv, serp ground mass.
V105059
nodular kim,cpx, phlog
3mm minor calcite,serp
6a,c
6a 30 cm wide
possible blowout
1 1
2+00
6a with oliv + serp+
1cm nodules
1c
80
1
MC-067-02
6a,b
6575000 mN
6a
1 1
v.f.g. oliv,minor serp
1 cm nodules cpx
MC-066-02
6a,c
1+00
1
85
0+00
6a,b
weakly mag.
6574800 mN
6a

blebs, patches, v.fg calcite,
6a,3mm cpx, 10-20% serp,
weakly nodular

LEGEND

- 6 KIMBERLITE
  - 6a micaceous
  - 6b carbonate
  - 6c clinopyroxene
  - 6d non reactive, leucite / monticellite
  - 6e serpentine
- 5 GABBRO ,DIABASE, BASIC DYKE
- 4 PERIDOTITE
- 3 PEGMATITE SILLS, DYKES
- 2 GRANITE / GRANULITE
  - 2a granodiorite
  - 2b diorite
- GNEISSES
  - PARAGNEISS
    - 1 undifferentiated gneiss
    - 1a granite gneiss >20% garnets
    - 1b quartz, biotite,graphite,pyrite with rusty spots
    - 1c quartz, feldspar, garnet gneiss
    - 1d marble, calc-silicate, nodular weathering
  - ORTHOGNEISS
    - 1e quartz, feldspar, amphibole-amphibolite

△ Float
Outcrop

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 3j Geology of the Mt. Jacques Rousseau System BELLA DYKE
NTS: 24P/07 DDI-7	
Date: Aug. 26 / 2002	
Geology: Mark Connell	
Drawn: J.L.Webster	
Scale: 1 : 2500	0 25 50 100 metres

DIAMOND DISCOVERIES INTERNATIONAL
(DDI - 2)

DIAMOND DISCOVERIES INTERNATIONAL
(DDI - 3)

DIAMOND DISCOVERIES INTERNATIONAL
(DDI - 1)

DIAMOND DISCOVERIES INTERNATIONAL
(DDI - 7)

RÉGION NON CARTOGRAPHIÉE

Round Lake
7g

Champagne Pipe
3a

Northwest Map
6b

Yvon
3b,3c

Henri North
3d, 7a

St.Pierre North
3f, 7c

St.Pierre South
3g, 7d

Henri South
3e, 7b

Bella
3j

Mt. Jacques Rousseau North Side of Col
3h
3i, 7e

Mt. Jacques Rousseau Centre
7f

Southeast Map
6a

LABRADOR

QUÉBEC

STRATIGRAPHIC LEGEND

QUATERNARY

Q — Sand, gravel, silt, till

SOUTH-EAST CHURCHILL PROVINCE

TORNGAT OROGEN
PALEOPROTEROZOIC

Lomier Complex
pPlom2 — Hutton anorthosite Complex: recrystalized anorthosite gneiss, granoblastic textures

Tasluyak
pPtas10 — Quartz "mesocrate" diorite, gray to black weathering. Deformed, foliated on outer edge of the Abloviak Shear zone; contains enclaves of porphoritic igneous rocks defined by aggregates of recrystalized plagioclase, and with <50 cm syngenetic xenoliths of fine granulitic diorite; transformed to mylonite in the Abloviak Shear zone.

pPtas6 — Mafic gneiss and amphibolite, characterized by compositional units having a centimetre thickness , made of amphibolite with plagioclase phenocrysts and other amphibolite units with a homogenous appearance.

pPtas4 — Marble impure calcsilicate, consisting of 1-5 m beds of impure marble with diopside-olivine-calcite, and pale green 1-10 m thick diopside calc-silicate beds, locally numerous stratiform and discordant white quartz veins.

pPtas3 — Paragneiss and migmatite metasediments, gray to tan weathering,compositionally characterized by red garnets, biotite and abundant leucosome in which sillimanite is rare.

pPtas1 — Paragneiss and "diatexite", rusty brown weathering and white weathering, characterized by lilac garnets and sillimanite. Homogenous on a large scale, but well layered on a scale of 10cm-2m varies from a quartzite to garnet to semipelitic gneiss to garnet-biotite-feldspar-quartz, to quartzfeldspathic pelitic gneiss to sillimanite-biotite-garnet; crossing and/or interlayered with garnet rich granite.

BURWELL DOMAIN
PALEOPROTEROZOIC

DTG Suite
pPdtg — Polyphasic intrusive suite, composed of diorite, tonalite, granodiorite, granite and quartziferous monzodiorite, metamorphosed to amphibolite facies, to granulite and retrogressive granulitic assemblages. This unit includes homogenous leucotonalite to quartz diorite, usually foliated (>80%), with inclusions of diorite and gabbro with plagioclase phenocrysts and stratified mafic gneiss, this rock is cut by numerous felsic and pegmatite veins.

Killinek Charnockite Suite
pPkil2 — Granodiorite to homogenous tonalite with orthopyroxene (opdalite to enderbite), tan weathering massive to foliated, equigranular medium grained rock.

pPkil1 — Medium grained mafic diorite, having genoblastic texture, often found at the margins of charnockites (pPkil2) and forming flakes in paleoproterozoic age paragneisses.

ARCHEAN to PALEOPROTEROZOIC

Noodleook Complex
ApPnool — Gray Archean Gneiss of the Nain Province granodiorite to tonalite composition having been affected and deformed during the Torngat Orogen, having undergone retrograde metamorphism generally to upper amphibolite facies in the paleoproterozoic, locally some granulite metamorphic facies mineral assemblages are preserved.

NORTH CRATON
PALEOPROTEROZOIC

Lake Harbour Group
pPhb5 — Biotite Paragneiss, sillimanite garnet with brown weathering alteration.

pPhb3 — Calcitic marble, dolomitic marble, zones of calcsilicate with diopsides and local bands of quartzite.

pPhb1 — Biotite paragneiss, quartzous paragneiss and garnet biotite paragneiss with local pegmatite zones.

ARCHEAN to PALEOPROTEROZOIC

Kanglqsualujjuaq Complex
ApPkan1 — White and grey tonalitic gneiss and migmatite with beds of homogenous mafic

LITHOLOGY LEGEND

BURWELL DOMAIN
PALEOPROTEROZOIC

12a — Fault breccia and cataclastite with associated veins of pseudotachylite.

12a — Mylonite and ultramylonite at amphibolite and greenschist facies.

11B — Fine to medium grained pink to gray granite having a sugary texture.

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Reference : Natural Resources Quebec, 2001 1:50 000 Geology map sheet 24P07-MONT JACQUES-ROUSSEAU SI-24 P07-C3G-01H, Van Kranendonk, M.J.

SYMBOLS

- Claim boundary
- Figure location
- Kimberlite dyke

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	**Figure 5** Geology, Dykes and Figure Location Plan
NTS: 24P/07	
Date: 12/5/2003	
Author: G. Mazerolle	
Drawn: J.L. Webster	0 500 1000 2000 metres
Scale: 1:50 000	

402000 mE
403000 mE
404000 mE
405000 mE
406000 mE
407000 mE
408000 mE
409000 mE
410000 mE
411000 mE

N

6581000 mN
6580000 mN
6579000 mN
6578000 mN
6577000 mN
6576000 mN
6575000 mN
6574000 mN
6573000 mN
6572000 mN
6571000 mN
6570000 mN
6569000 mN
6568000 mN

Contour Interval = 50 nT and 250 nT

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 6a Southeast Map Enhanced Magnetics
Date:25/4/2003	
Author: M.S. King	
Office: Mercator	
Drawing:	M.J.R. St. Pierre Henri
Scale: 1:20000	Mercator Geological Services Limited

0 250 500 1000
metres

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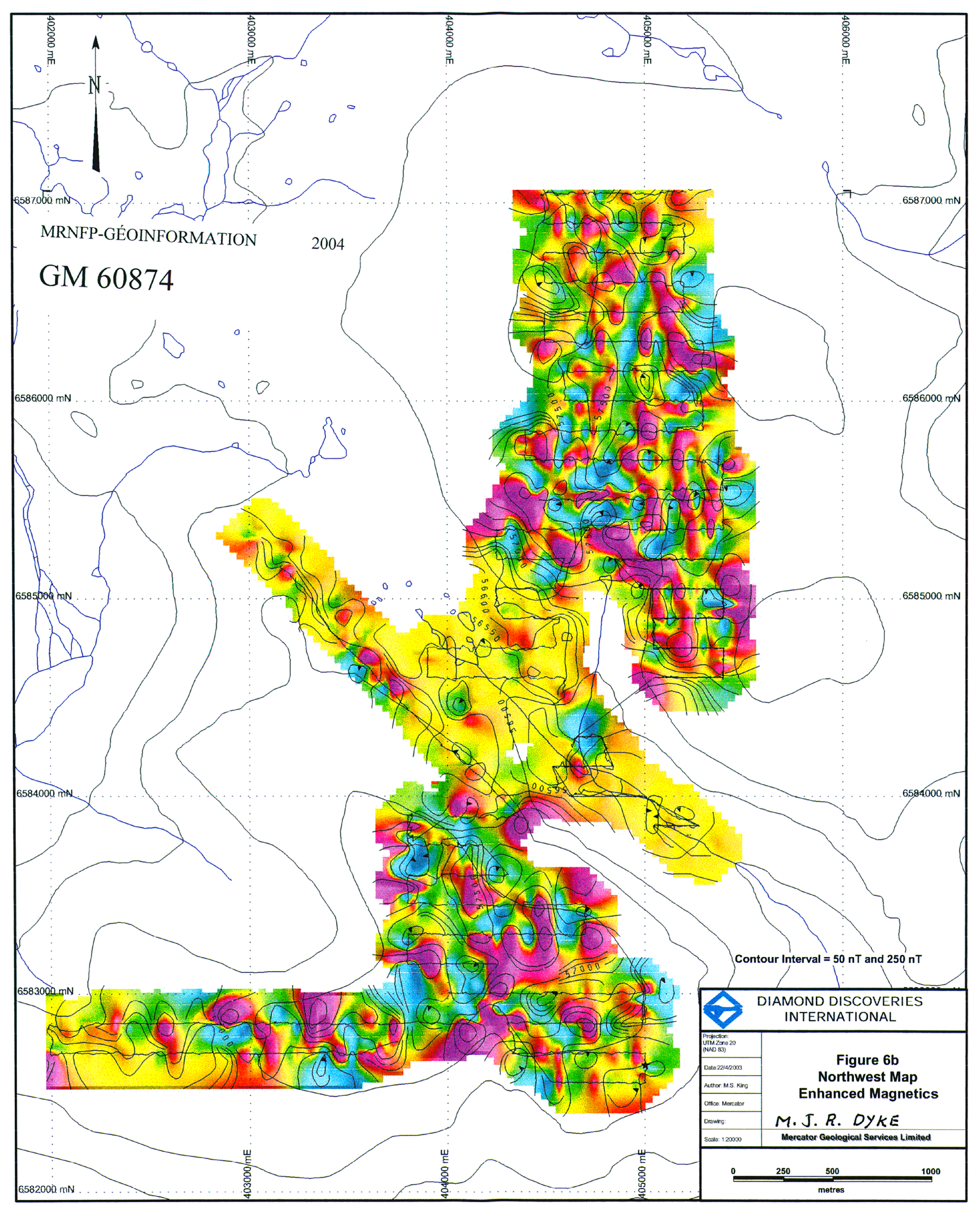
402000 mE
403000 mE
404000 mE
405000 mE
406000 mE
N
6587000 mN
6586000 mN
6585000 mN
6584000 mN
6583000 mN
6582000 mN
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2004
GM 60874
Contour Interval = 50 nT and 250 nT
DIAMOND DISCOVERIES INTERNATIONAL
Projection: UTM Zone 20 (NAD 83)
Date: 22/4/2003
Author: M.S. King
Office: Mercator
Drawing:
Scale: 1:20000
Figure 6b
Northwest Map
Enhanced Magnetics
M. J. R. DYKE
Mercator Geological Services Limited
0
250
500
1000
metres

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Contour Interval = 100nT

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7a Henri Kimberlite System Henri North Enhanced Magnetics
Date: 23/4/2003	
Author: M.S. King	
Office: Mercator	
Drawing:	
Scale: 1:2500	Mercator Geological Services Limited

0 25 50 100
metres

N

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Contour intervals = 50 nT and 250 nT

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7b Henri South Total Magnetic Field
Date:23/4/2003	
Author: M.S. King	
Office: Mercator	
Drawing:	
Scale: 1:2500	**Mercator Geological Services Limited**

0 25 50 100
metres

404700 mE
404800 mE
404900 mE
405000 mE
405100 mE
405200 mE
405300 mE
405400 mE

6577800 mN
6577700 mN
6577600 mN
6577500 mN
6577400 mN
6577300 mN
6577200 mN
6577100 mN

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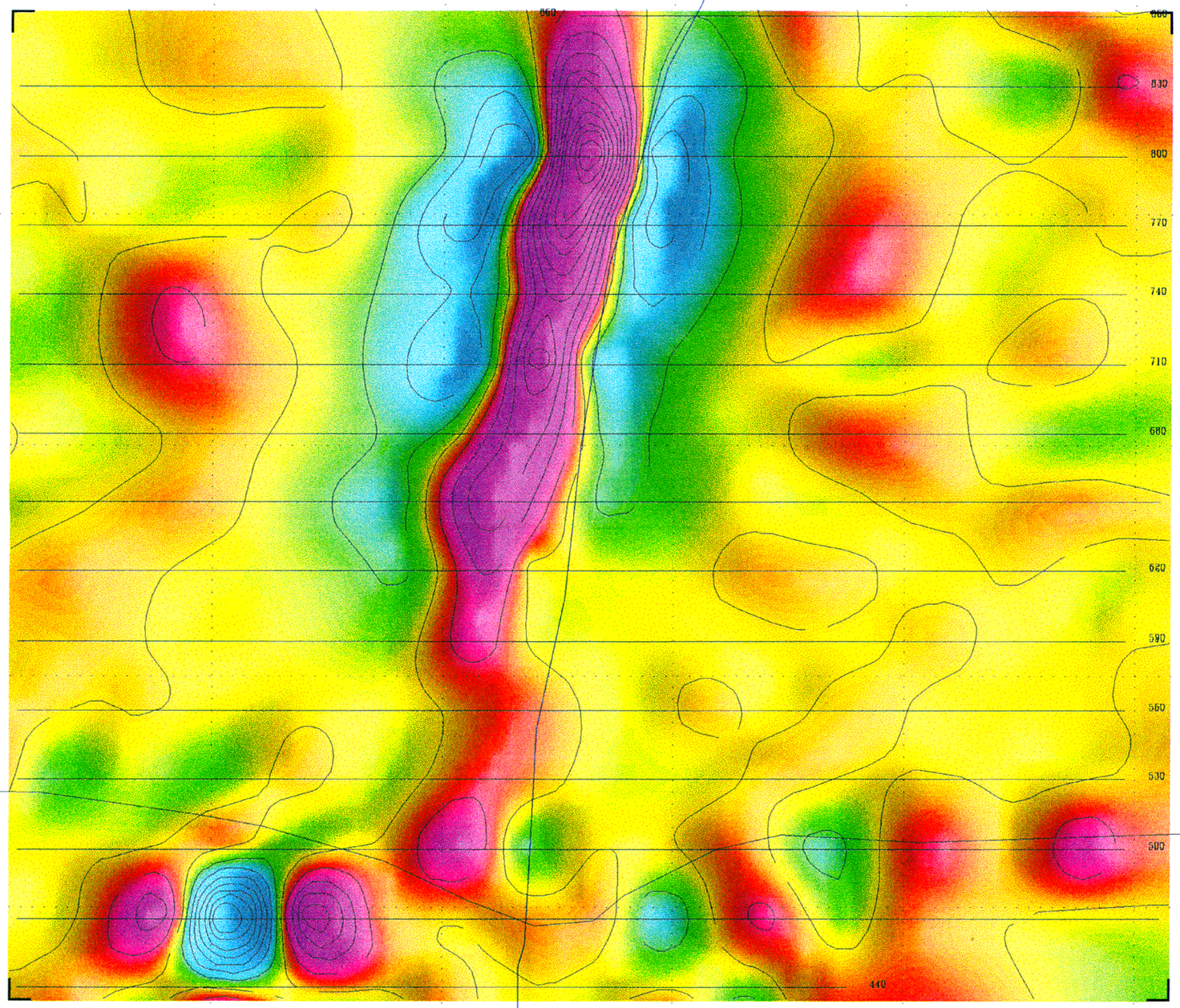
DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7c St. Pierre Kimberlite System North Zone Contoured Magnetics
Date: 7/7/2003	
Author:	
Office: Mercator	
Drawing:	
Scale: 1:2500	Mercator Geological Services Limited

0 25 50 100
metres

404700 mE
404800 mE
404900 mE
405000 mE
405100 mE
405200 mE
405300 mE
405400 mE

6577800 mN
6577700 mN
6577600 mN
6577500 mN
6577400 mN
6577300 mN
6577200 mN
6577100 mN



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DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7c St. Pierre Kimberlite System North Zone Enhanced Magnetics
Date: 7/7/2003	
Author:	
Office: Mercator	
Drawing:	
Scale: 1:2500	Mercator Geological Services Limited

0 25 50 100
metres

404700 mE
404800 mE
404900 mE
405000 mE
405100 mE
405200 mE
405300 mE
405400 mE

6577800 mN
6577700 mN
6577600 mN
6577500 mN
6577400 mN
6577300 mN
6577200 mN
6577100 mN

860
830
800
770
740
710
680
650
620
590
560
530
500
470
440

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DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7c St. Pierre Kimberlite System North Zone Magnetic Profile
Date: 7/7/2003	
Author:	
Office: Mercator	
Drawing:	
Scale: 1:2500	Mercator Geological Services Limited

0 25 50 100
metres

404600 mE
404700 mE
404800 mE
404900 mE
405000 mE
405100 mE
405200 mE
405300 mE
405400 mE

6577300 mN
6577200 mN
6577100 mN
6577000 mN
6576900 mN
6576800 mN
6576700 mN
6576600 mN
6576500 mN
6576400 mN
6576300 mN
6576200 mN
6576100 mN
6576000 mN

N

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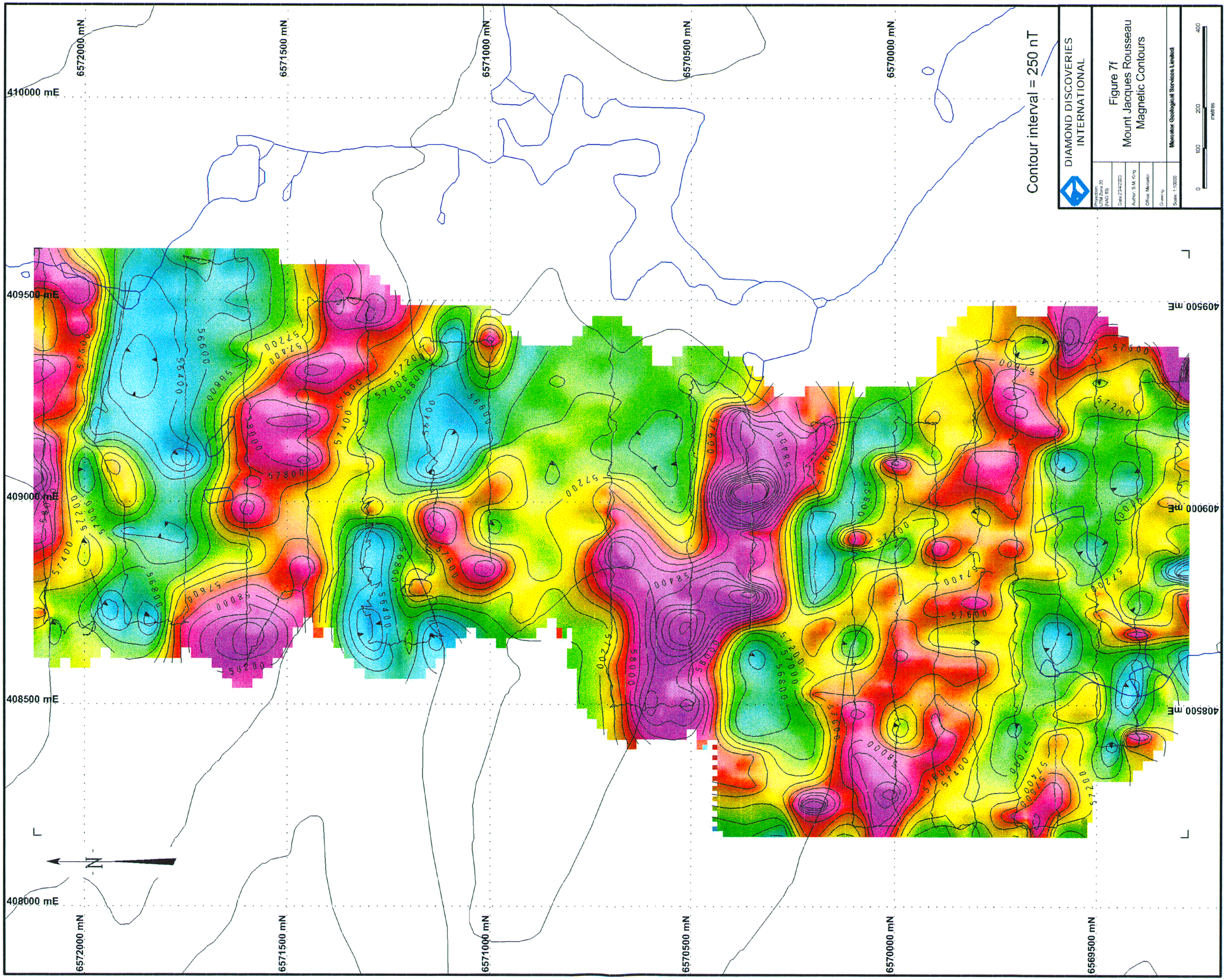
Contour Interval = 100 nT

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7d St. Pierre Kimberlite System South Zone Enhanced Magnetics
Date:23/4/2003	
Author: S.M. King	
Office: Mercator	
Drawing:	
Scale: 1:2500	Mercator Geological Services Limited

0 25 50 100
metres

GM 60874


6572000 mN
6571500 mN
6571000 mN
6570500 mN
6570000 mN
6569500 mN
410000 mE
409500 mE
409000 mE
408500 mE
408000 mE
Contour interval = 250 nT
DIAMOND DISCOVERIES INTERNATIONAL
Figure 7f
Mount Jacques Rousseau
Magnetic Contours
Projection: UTM Zone 20 (NAD 83)
Date: 23-12-2003
Author: S.M. King
Office: Mercator
Drawn by:
Scale: 1:10000
Mercator Geologique et Services Limited
0
100
200
400
metres
N

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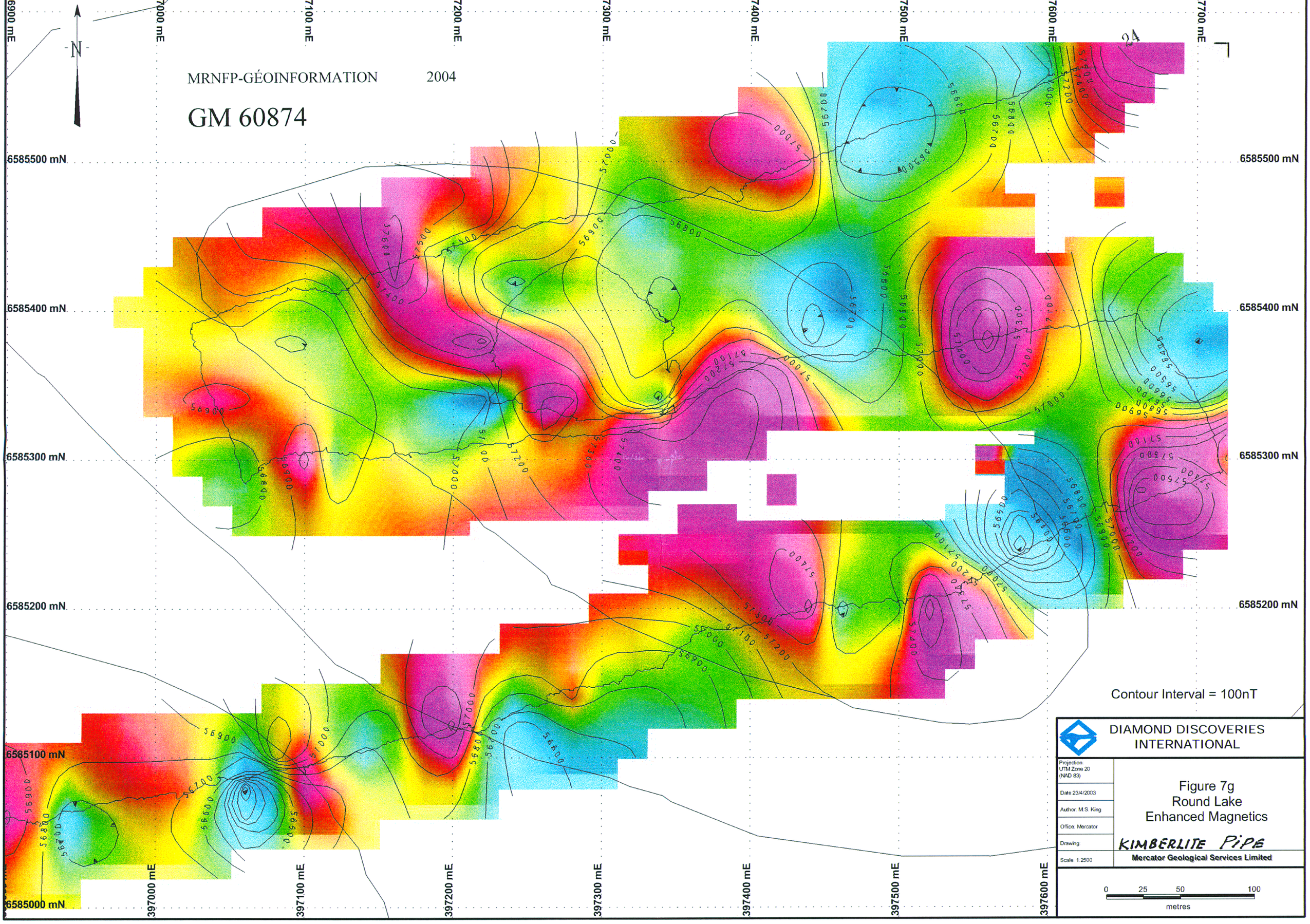

DIAMOND DISCOVERIES INTERNATIONAL

Projection: UTM Zone 20 (NAD 83)	Figure 7g Round Lake Enhanced Magnetics
Date: 23/4/2003	
Author: M.S. King	
Office: Mercator	
Drawing:	KIMBERLITE PIPE
Scale: 1:2500	Mercator Geological Services Limited

0 25 50 100
metres

DIAMOND DISCOVERIES # 1

DIAMOND DISCOVERIES # 2

DIAMOND DISCOVERIES # 3

DIAMOND DISCOVERIES # 4

DIAMOND DISCOVERIES # 7

CROSS DYKE

G DYKE

Z DYKE

K DYKE

CHAMPAGNE PIPE

TRIANGLE PIPE

YYOR DYKE

HEU DYKE

LEGEND

- KIMBERLITE PIPE
- DIAMONDS
- RUBY CORUNDUMS
- KIMDERLITE DYKE
- KIMBERLITE INDICATOR MINERAL
- NO KIMBERLITE INDICATOR MINERAL
- DIAMOND INCLUSION CHROMITE
- RUBY SAMPLES
- SS22 SAMPLES NUMBER
- DIAMOND FRAGMENTS
- FO.91–92 OLIVINE

Scale 1:50000

1000 0 1000 2000 3000 (metres)

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Location Map SNRC 24P/07 (NAD27) Reference System
Projection UTM North American Datum 1927
Geoplan