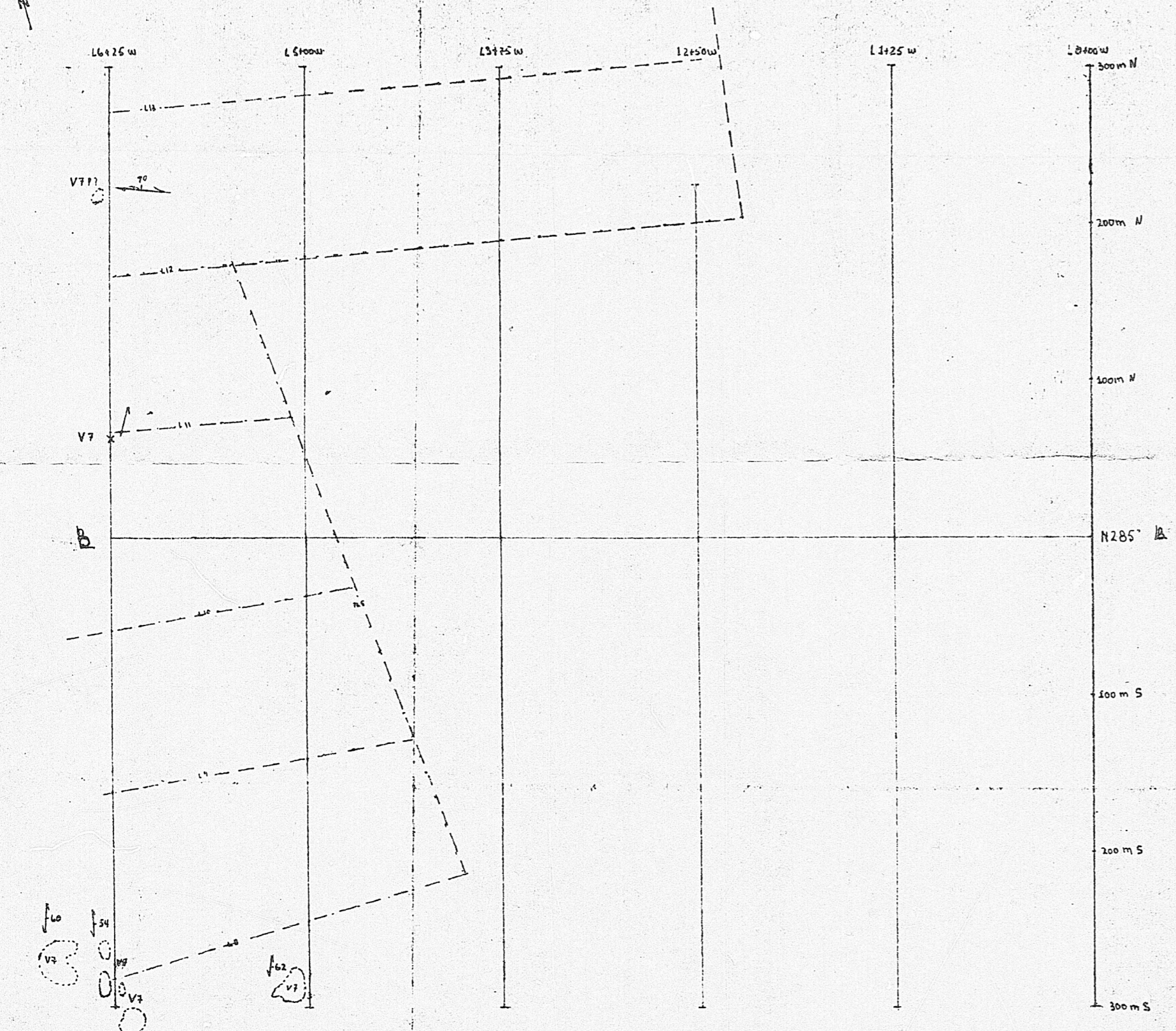
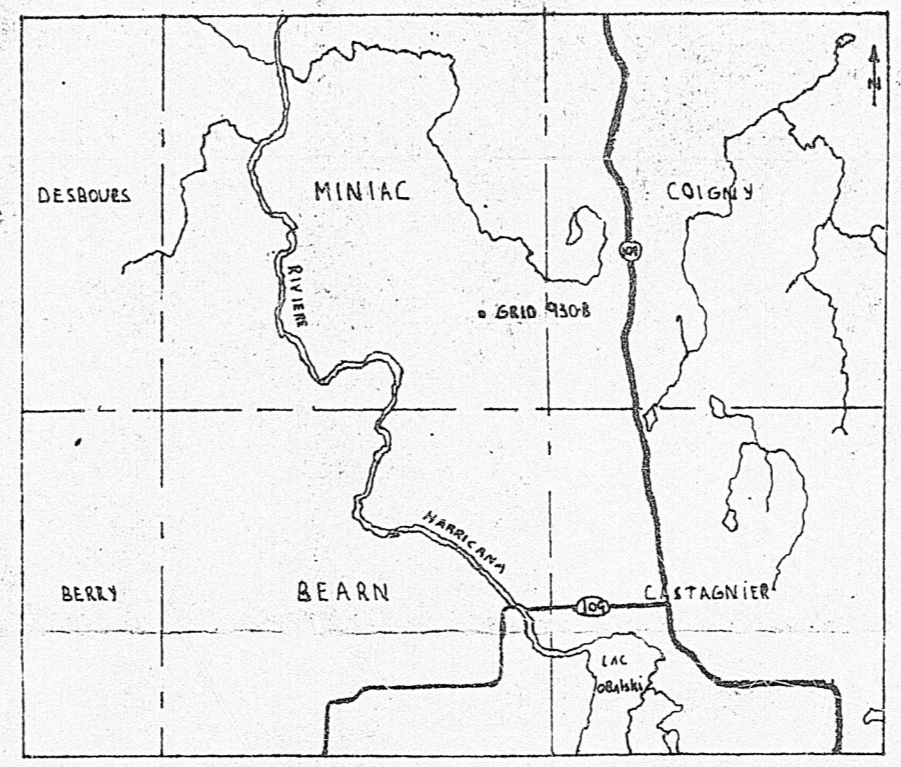


COIGNY
GRID 930 B-1

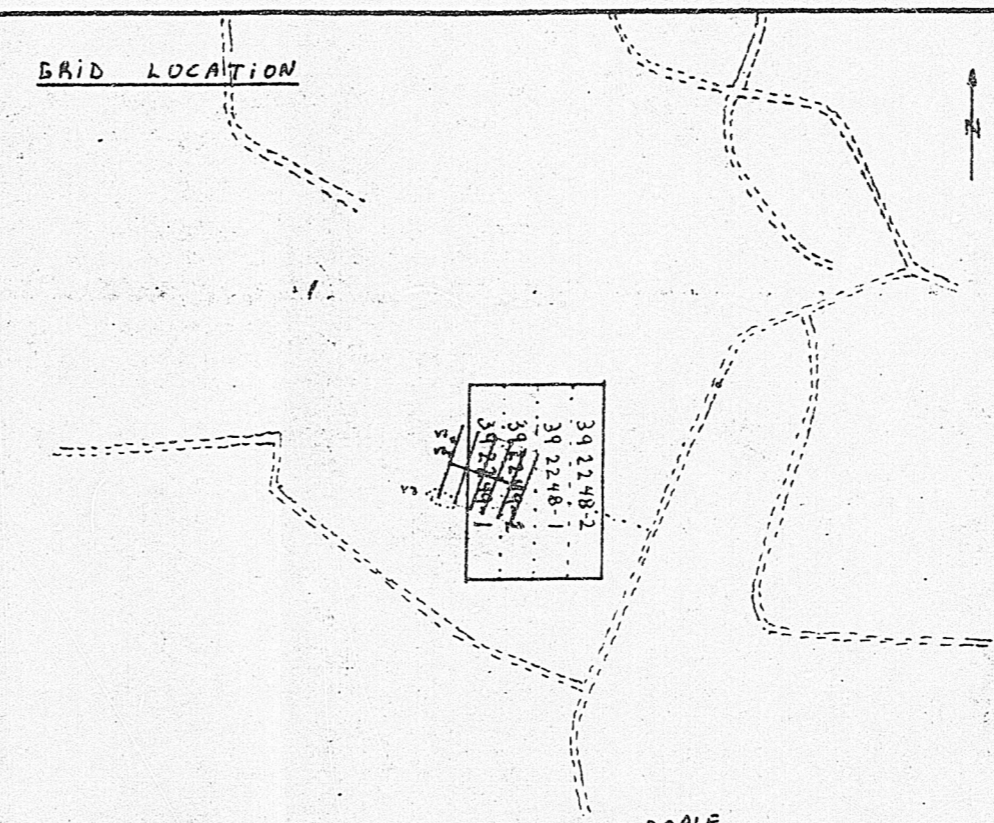


SCALE : 1:2500

carte de localisation :



SCALE : 1:250000



SCALE : 1:50000

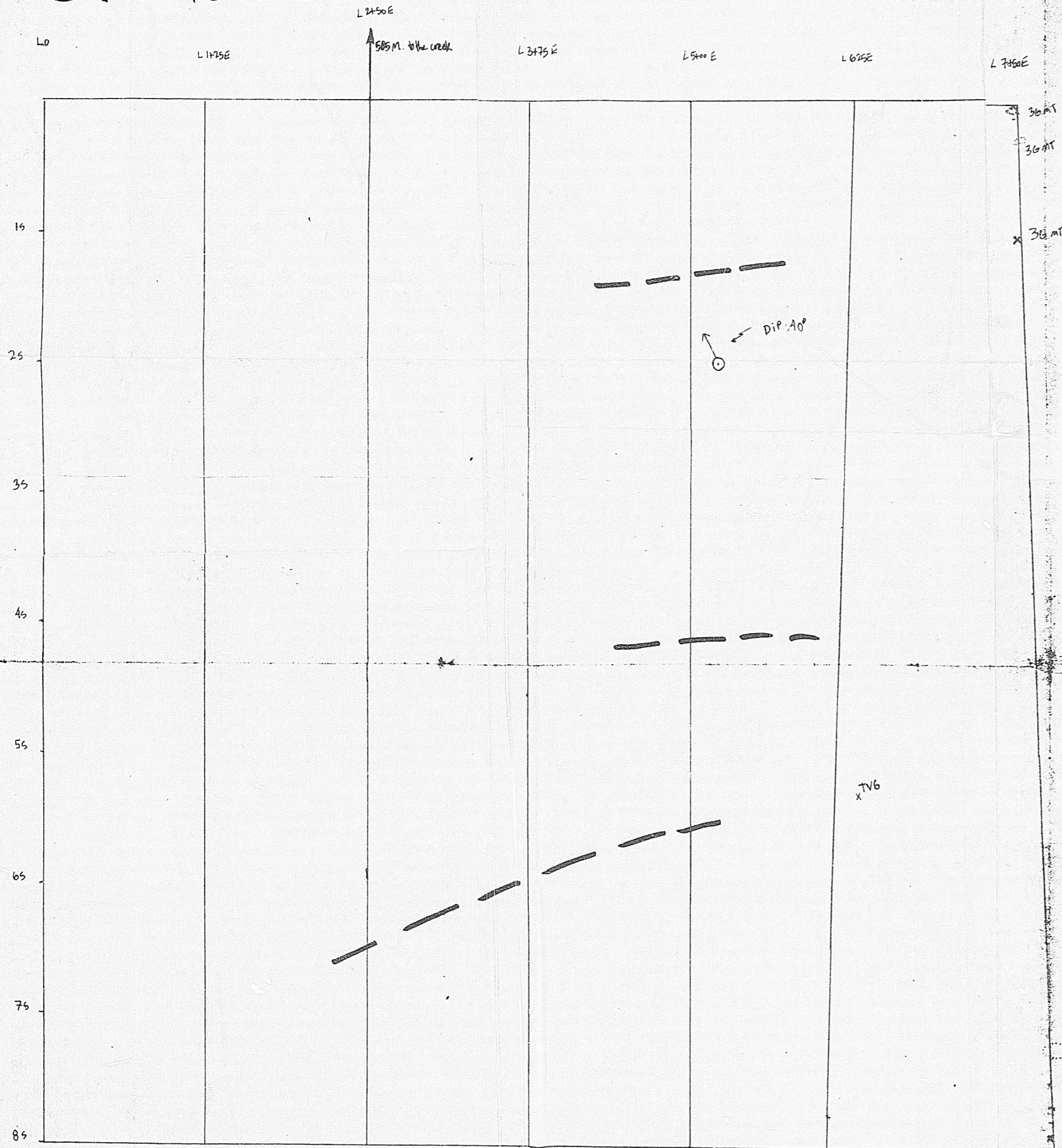
LEGENDE

- X or ○ OUTCROP OR ZONE OF OUTCROP
- ↖ schistosity (STRIKE and DIP)
- B BASE LINE
- NORANDA'S GRID LINES
- - - GRAVEL ROAD
- V7 BASALT
- V7P? BASALT (PILLOWED?)

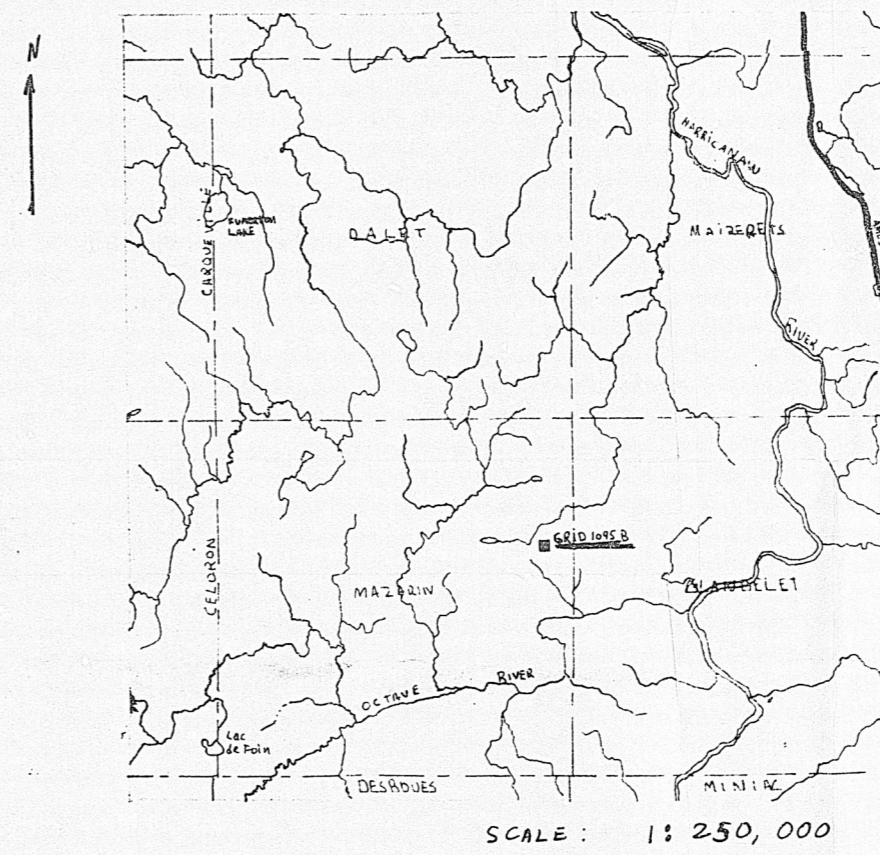
Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 13 AVRIL 1982
No G.M.: 38873

GEOLOGICAL MAP
GRID 930 B-1
COIGNY PROJECT
QUEBEC
R. CREPEAU
SCALE : 1:2500
JUN 1980
NTS 32 D16
Fig 10

GRID 1095 B



LOCATION MAP



LEGEND

INTRUSIVE ROCKS

3B GABBRO

VOLCANIC ROCKS

V2 RHYOLITE

V4 DACITE

V6 ANDESITE

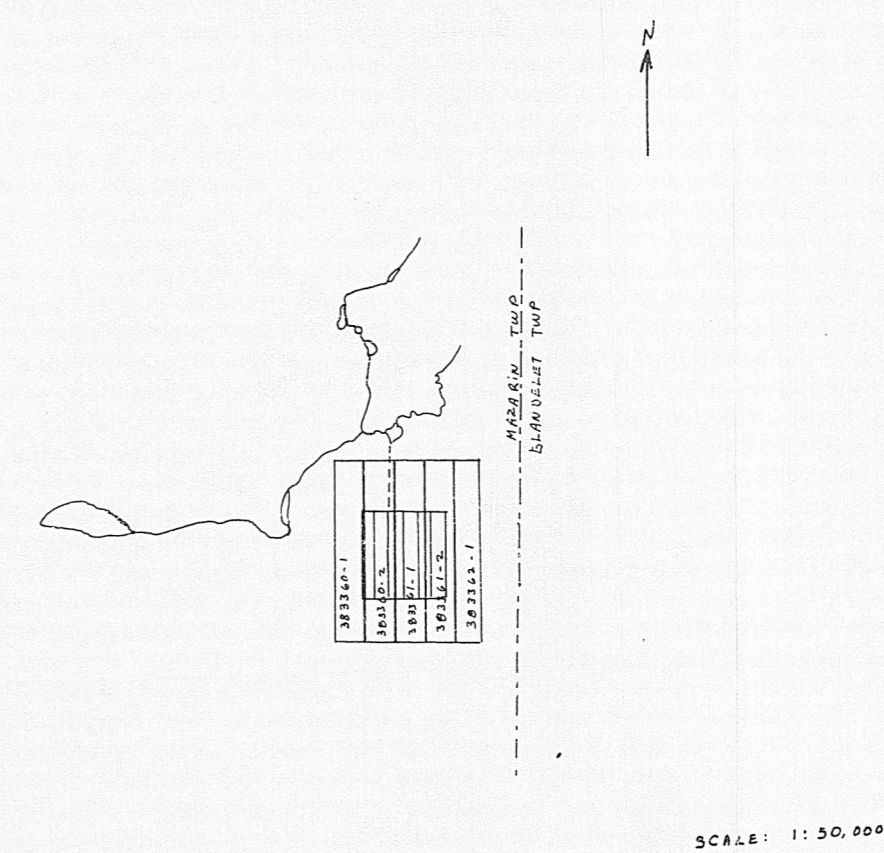
SYMBOLS + ABBREVIATIONS

T : TUFT

Mt : Magnetite

○ or x OUTCROP

↗ D.D.H.

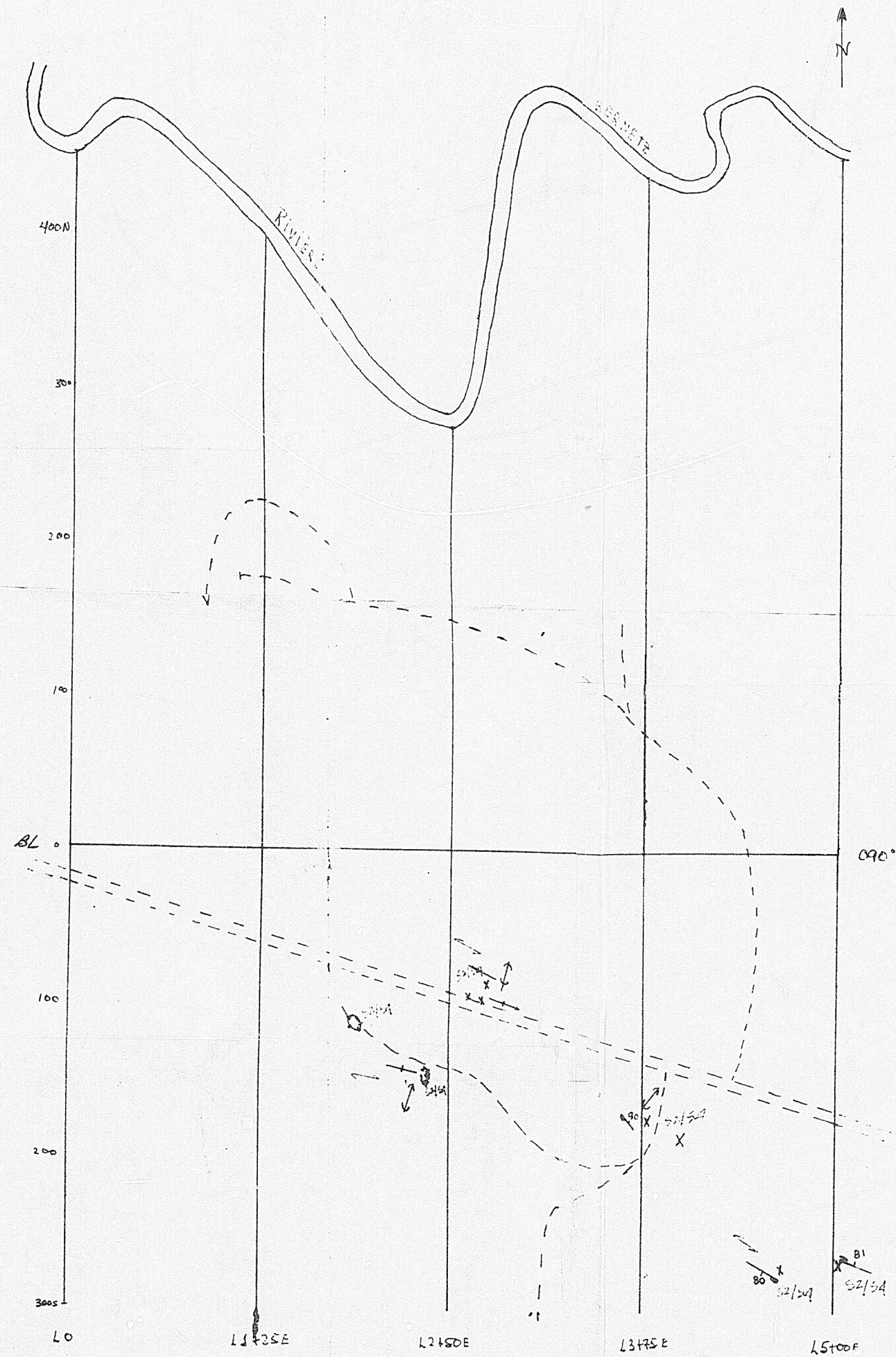


Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral

DATE: 13 AOÛT 1980
No. G.M.: 38873

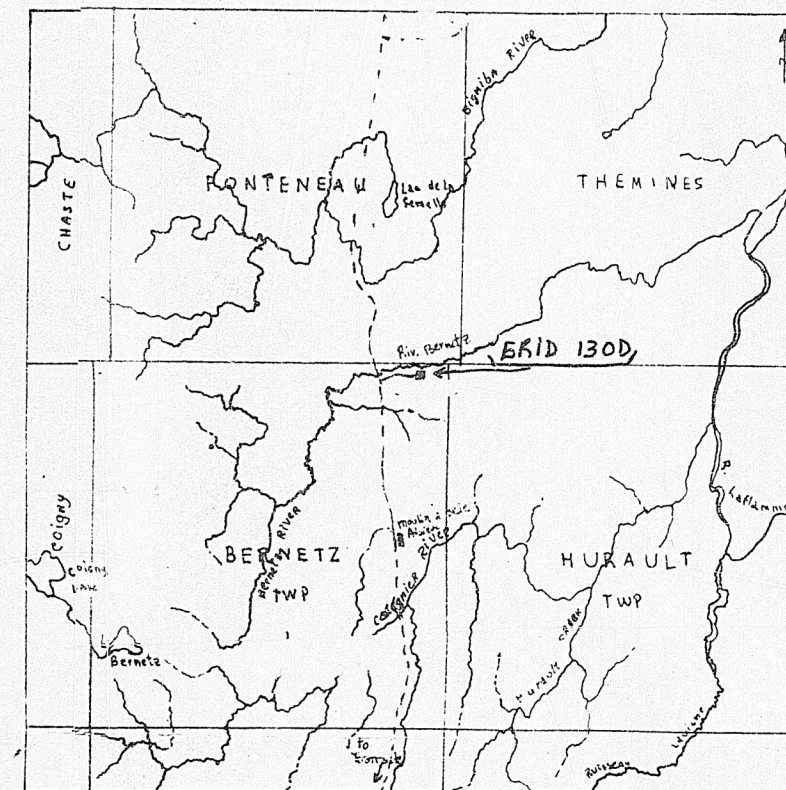
GEOLOGICAL MAP	
GRID 1095 B	
COISNY PROJECT	
QUEBEC	
Y. CREPEAU	AUGUST 1980
SCALE 1:2500	NTS 32 E 1
FIG 12	

COIGNY PROJECT
GRID 130 D

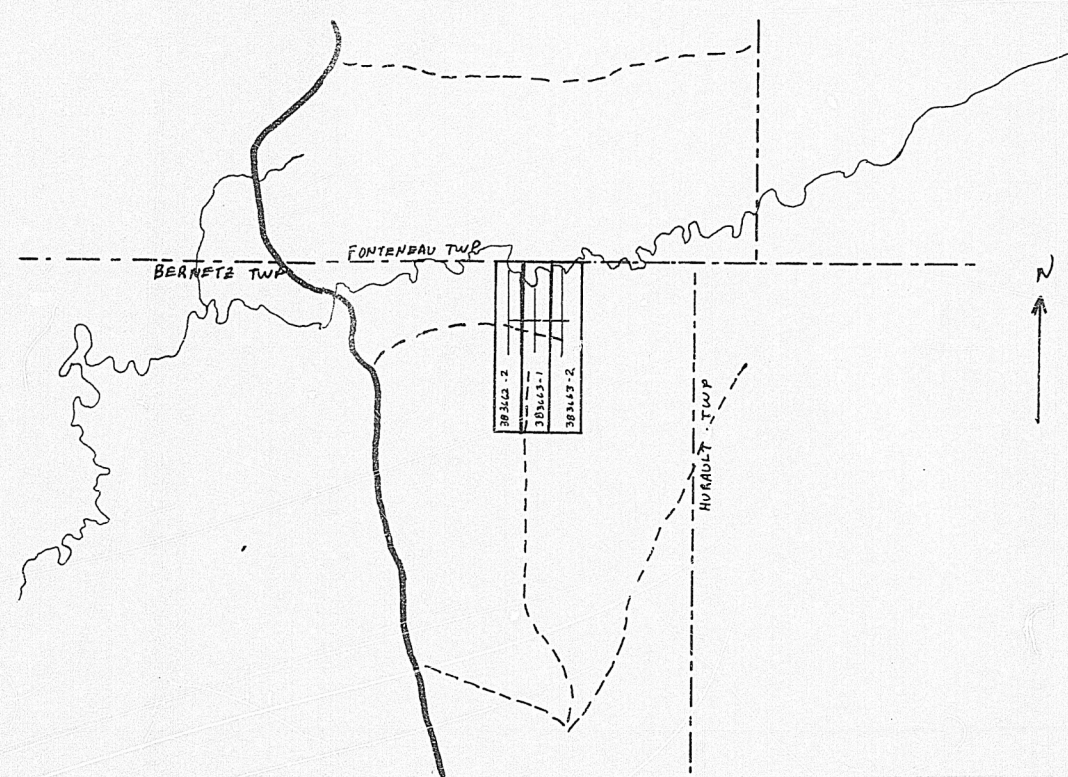


scale : 1:2500

Grid 130 D
LOCATION MAP:



scale : 1:250 000



SCALE 1:50 000

LEGEND

SEDIMENTARY ROCKS

- S2 ARKOSE
- SA SHALE

SYMBOLS

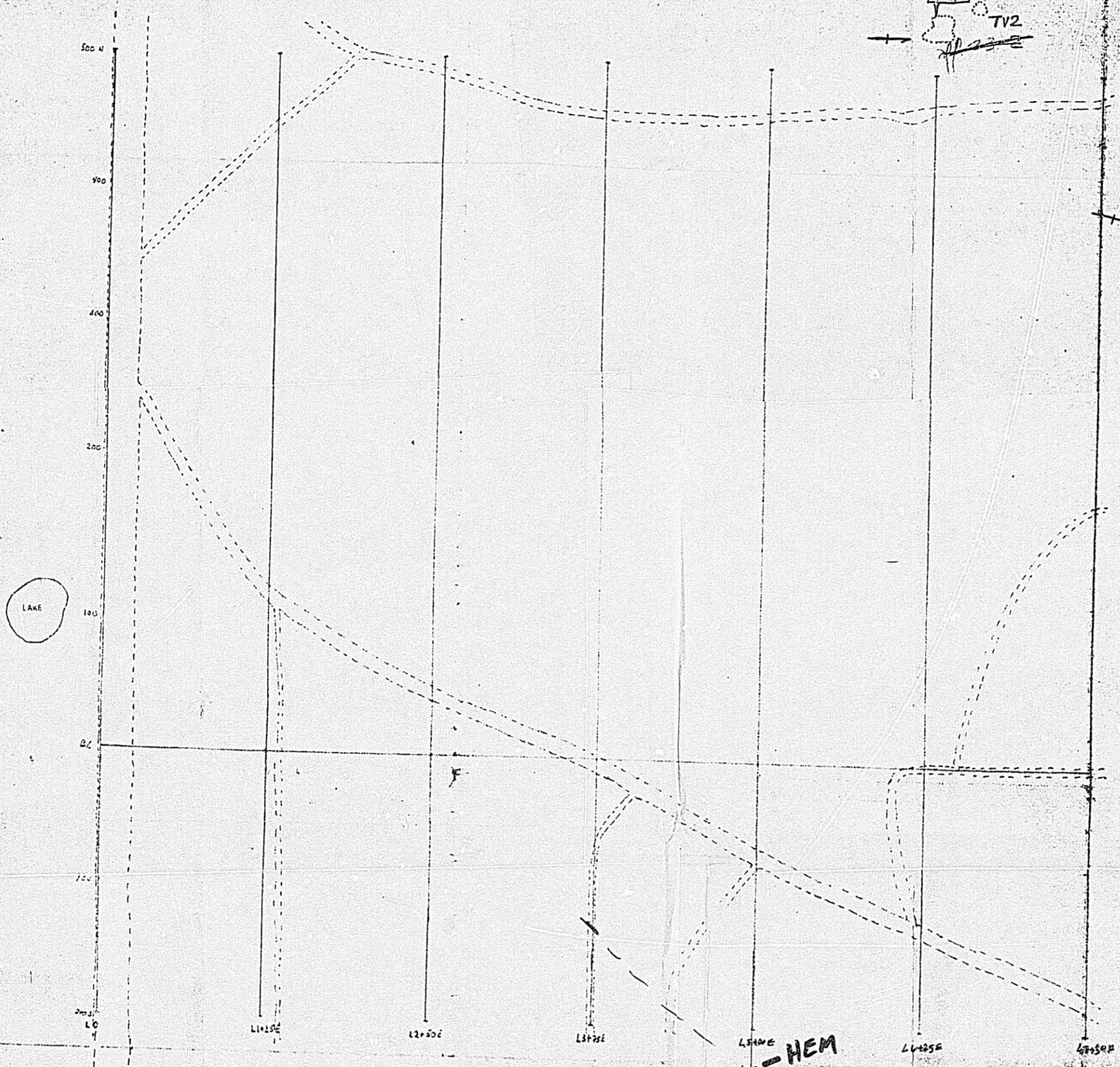
- OUTCROP
- Glacial Striae
- STRIKE AND DIP OF SCHISTOSITY
- STRIKE AND DIP OF FOLIATION
- STRIKE AND DIP OF BEDS
- B.L. BASE LINE
- LUMBER ROAD

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
13 AOUT 1982
DATE: 38873
No G.M.

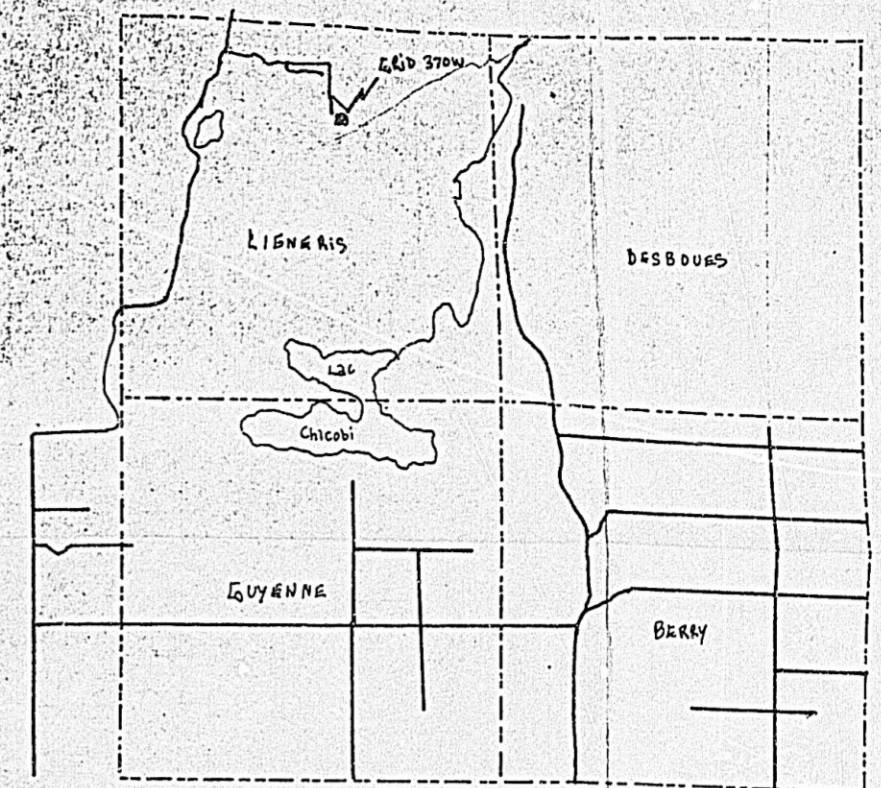
GEOLOGICAL MAP
GRID 130 D
COIGNY PROJECT
QUEBEC

Y. CREPEAU JULY 1980
SCALE 1:2500
N.T.S : 32 F4 Fig : 7

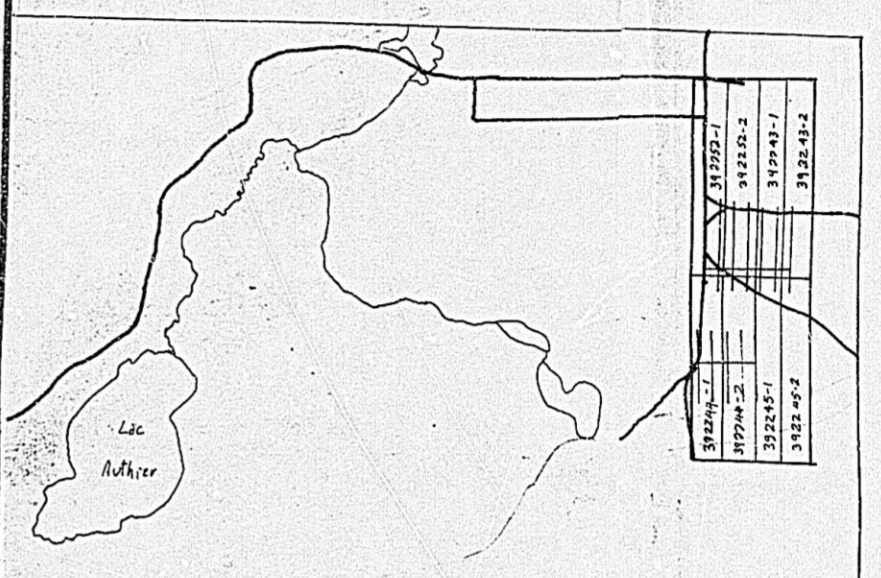
GRID 370 W (B)



LOCATION MAP



SCALE 1:250,000



SCALE 1:5000

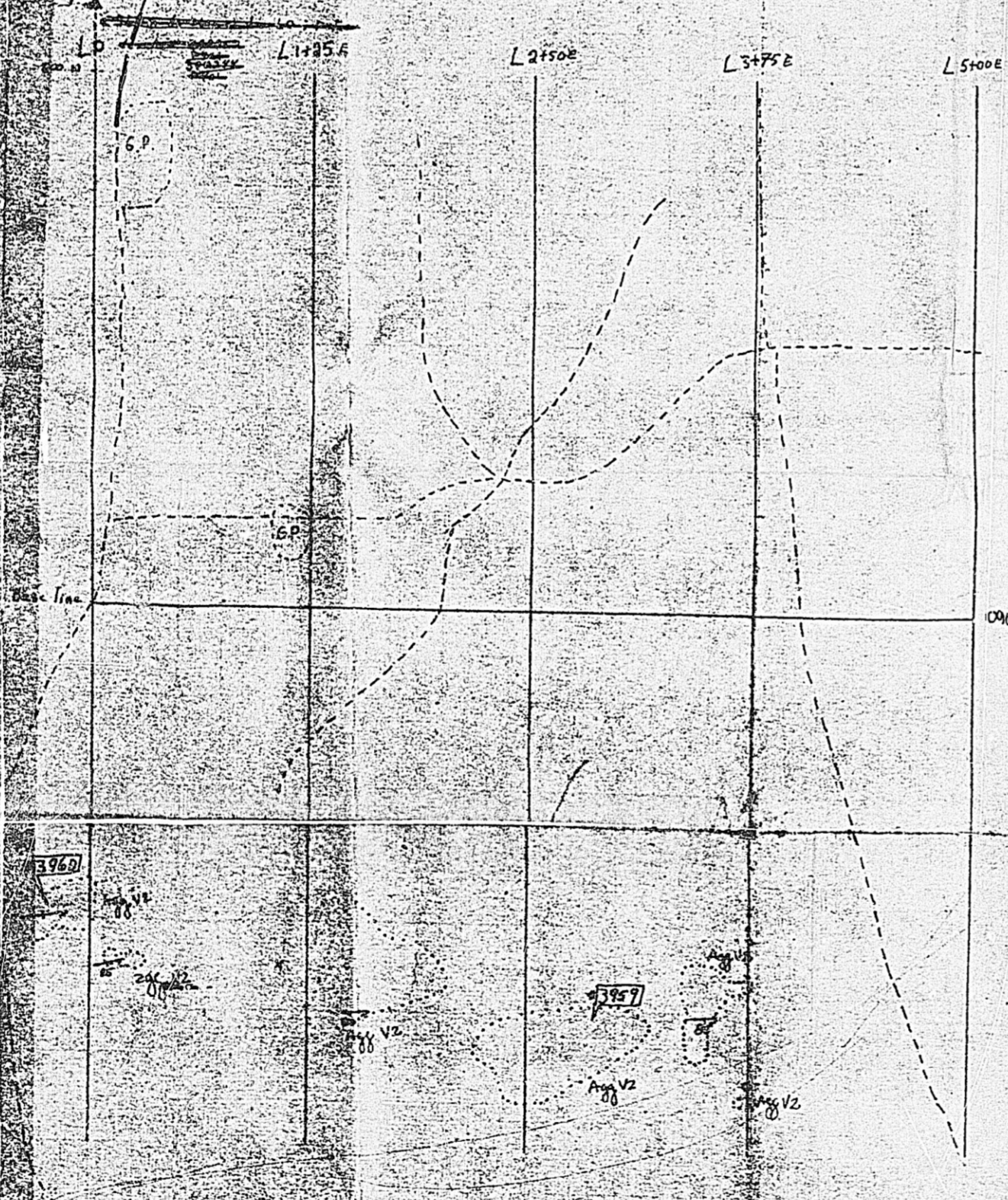
LEGEND

- [V2] RHYOLITE
- T TUFF
- LT LAPILLI TUFF
- ABE AEGEOMERATE

SYMBOLS

- OUTCROP
- x OUTCROP
- FOLIATION
- == ROAD
- B.P. BRAVEL PIT
- [397] ROCK SAMPLE LOCATION

GRID 370 W (A)



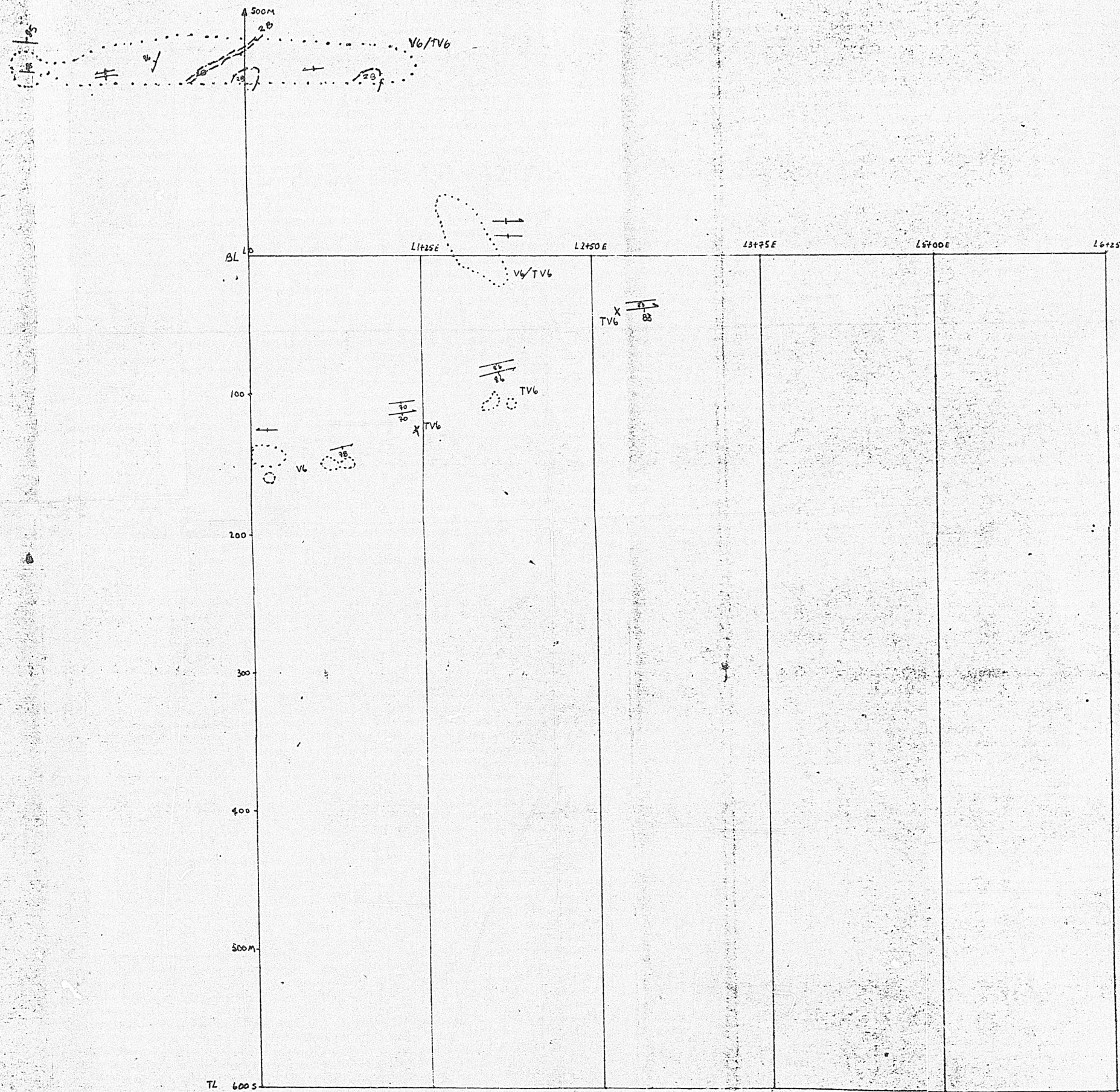
Ministère de l'Énergie et des Ressources
 Gouvernement du Québec
 Service du Potentiel minéral
 DATE: 13 AOÛT 1982
 No G.M.: 38873

GEOLOGICAL MAP
 GRIDS 370W
 COISMY PROJECT
 QUEBEC

Y. CLEPARI
 SCALE 1:2500
 NTS 32215
 AUGUST 1980
 F120

COIGNY Project

GRID 565 E



Scale 1:2500

LEGEND

INTRUSIVES ROCKS

2B DIABASE

VOLCANIC ROCKS

V6 ANDESITE

T TUFF

○ ZONE OF OUTCROPS

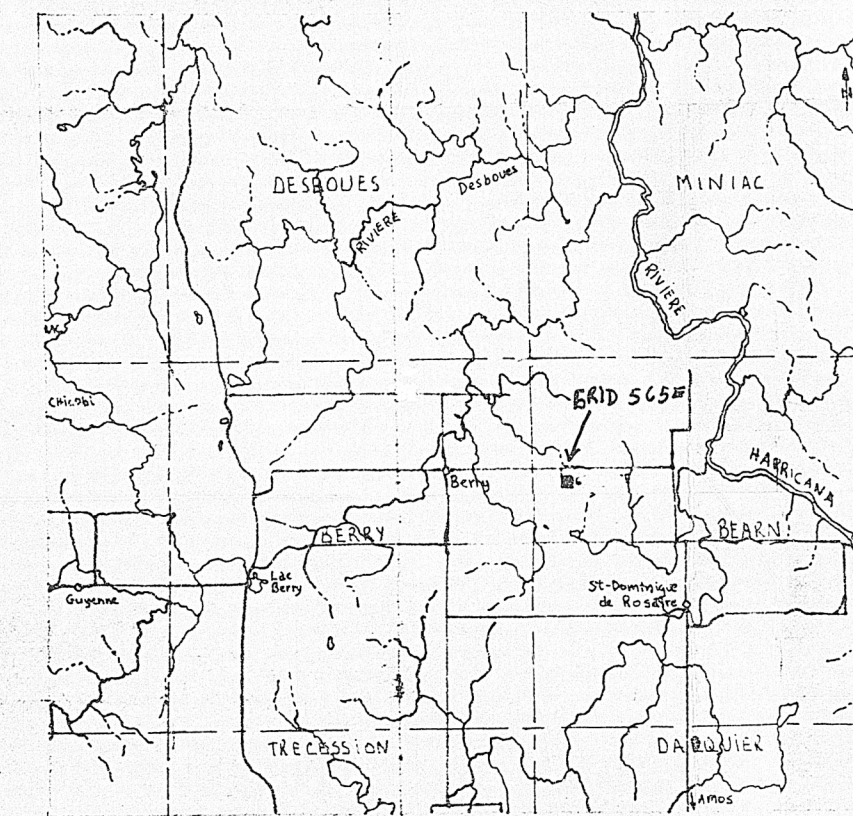
x OUTCROP

- - - Biological Contact

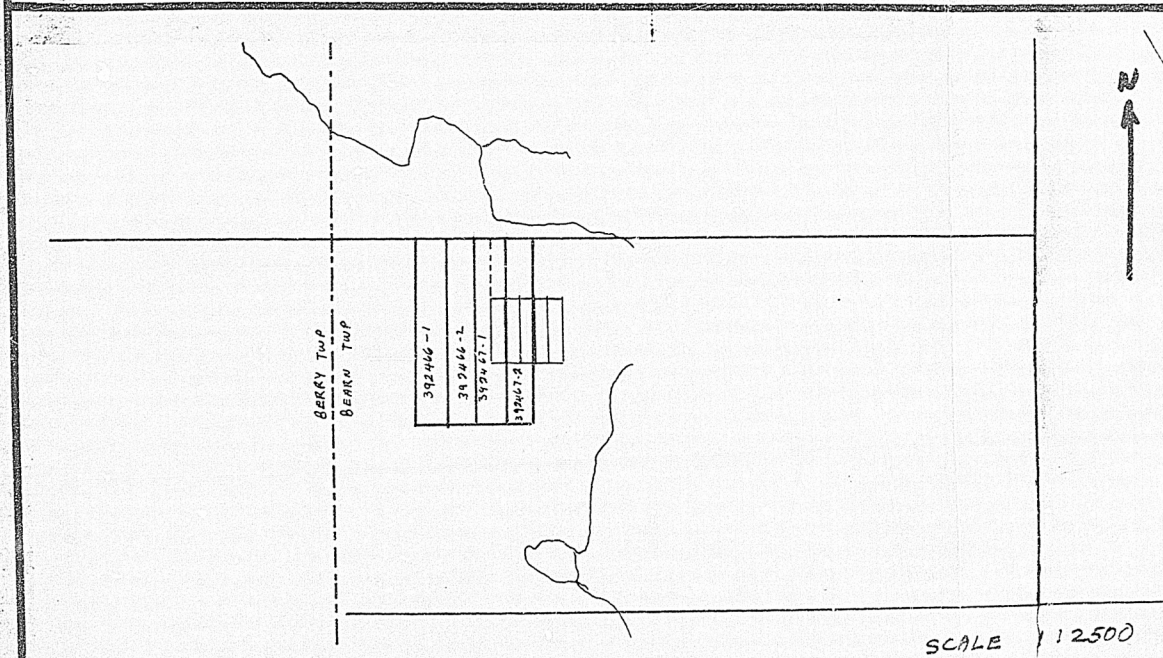
— / — STRIKE AND DIP OF BEDS

— / — STRIKE AND DIP OF FOLIATION

Location Map:



Scale: 1:250000

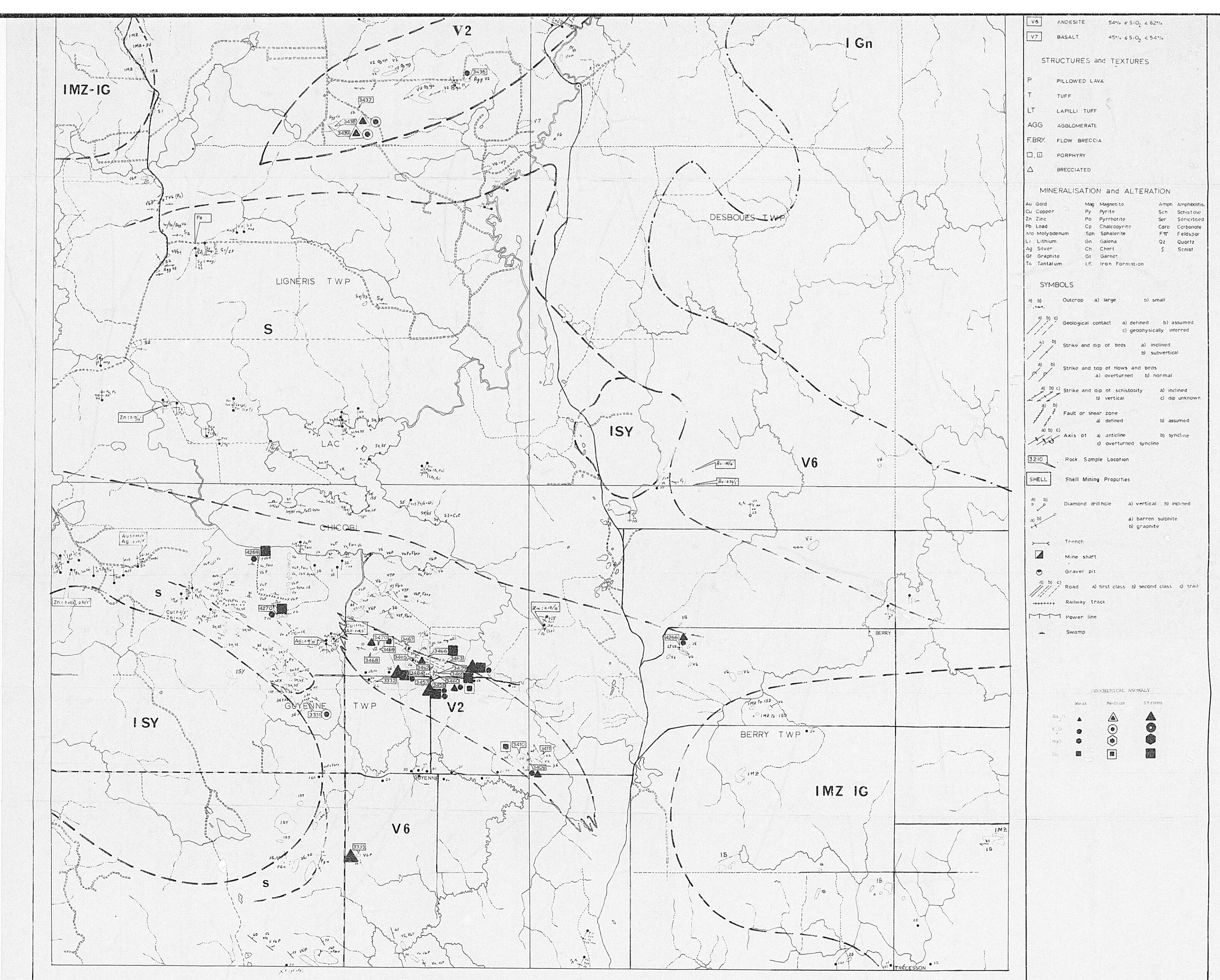
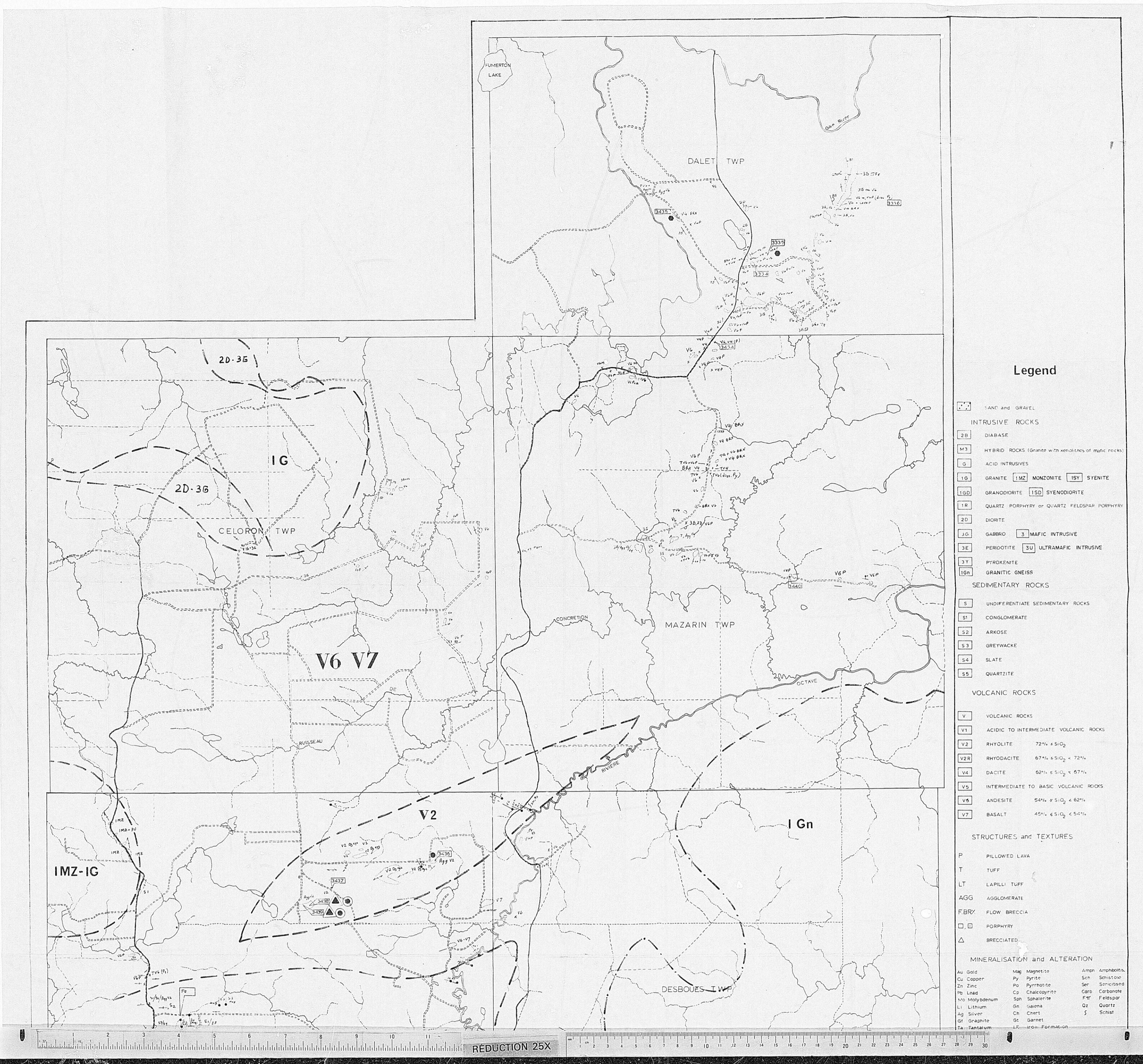


Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral

DATE: 13 AOUT 1982
No G.M.: 38873

GEOLOGICAL MAP
GRID 565 E
COIGNY PROJECT
QUEBEC

Y. CREPEAU August 1980
SCALE: 1:2500
NTS: 32.D16 Fig 9



COIGNY PROJECT
map 1 of 3

SCALE 1:50,000

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 11.08.72
No. 64-38573

GEOLOGICAL MAP
WEST SHEET

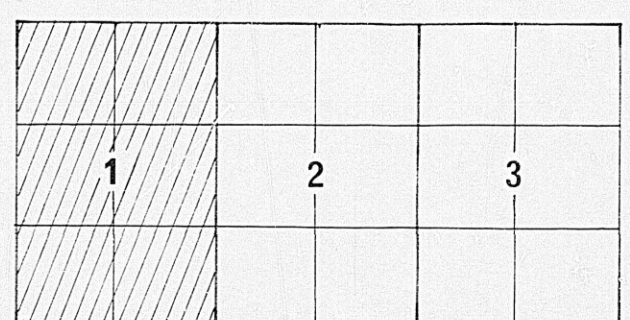
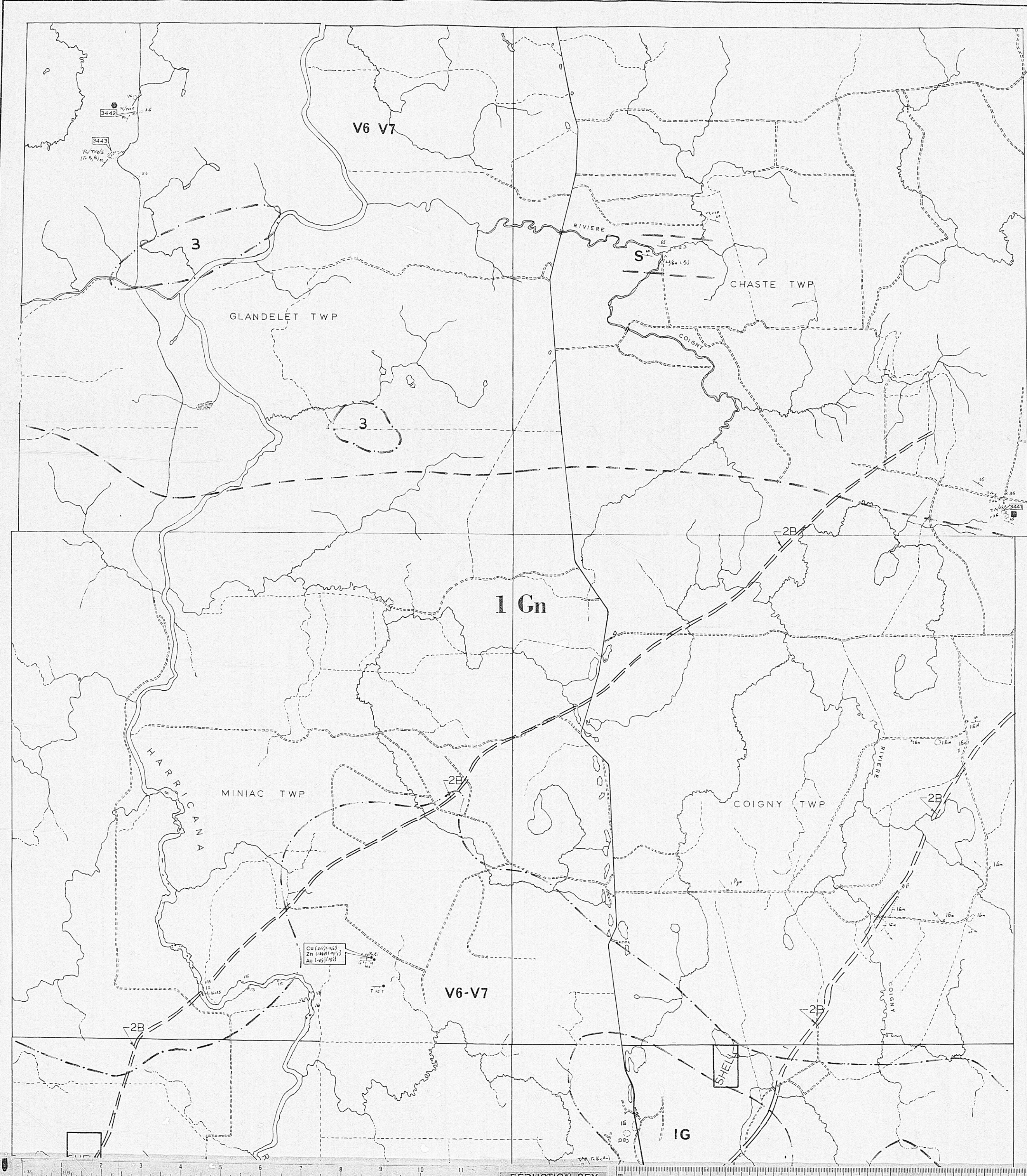


FIGURE 5A

2/2



Legend

SAND and GRAVEL

INTRUSIVE ROCKS

12B DIABASE

12C HYBRID ROCKS (Granite with xenoliths of mafic rocks)

ACID INTRUSIVES

19D GRANITE 19E MONZONITE 19Y SYENITE

19G GRANDIODORITE 19Z SYENODORITE

19R QUARTZ PORPHYRY or QUARTZ FELDSPAR PORPHYRY

19I DIORITE

19J GABBRO 19K MAFIC INTRUSIVE

19L PERDOTITE 19M ULTRAMAFIC INTRUSIVE

19N PYROXENITE

19O GRANITIC GNEISS

SEDIMENTARY ROCKS

S UNDIFFERENTIATED SEDIMENTARY ROCKS

51 CONGLOMERATE

52 ARKOSE

53 GREYWACKE

54 SLATE

55 QUARTZITE

VOLCANIC ROCKS

V VOLCANIC ROCKS

V1 ACIDIC TO INTERMEDIATE VOLCANIC ROCKS

V2 RHYOLITE 72% ± SiO₂

V2R RHYODACITE 67% ± SiO₂ < 72%

V4 DACITE 62% ± SiO₂ < 67%

V5 INTERMEDIATE TO BASIC VOLCANIC ROCKS

V6 ANDESITE 54% ± SiO₂ < 62%

V7 BASALT 45% ± SiO₂ < 54%

STRUCTURES and TEXTURES

P PILLOWED LAVA

T TUFF

LT LAPILLI TUFF

AGG AGGLOMERATE

FBRX FLOW BRECCIA

□ □ PORPHYRY

△ BRECCIATED

MINERALISATION and ALTERATION

Au Gold	Mg Magnetite	Amph Amphibole
Cu Copper	Py Pyrite	Sch Schistose
Zn Zinc	Po Pyrrhotite	Ser Sericite
Pb Lead	Cp Chalcopyrite	Carb Carbonate
Mn Manganese	Sp Spinel	Fsp Feldspar
Li Lithium	Gn Galena	Qz Quartz
Ag Silver	Ch Chert	S Sclerite
Gr Graphite	St Sulfur	
Ta Tantalum	IF Iron Formation	

SYMBOLS

○ ○ Outcrop a) large b) small

— — Geological contact a) defined b) assumed c) geophysically inferred

↗ ↘ Strike and dip of beds a) inclined b) subvertical

↗ ↘ Strike and top of flows and beds a) overturned b) normal

↗ ↘ Strike and dip of schistosity a) inclined b) vertical c) dip unknown

↗ ↘ Fault or shear zone a) defined b) assumed

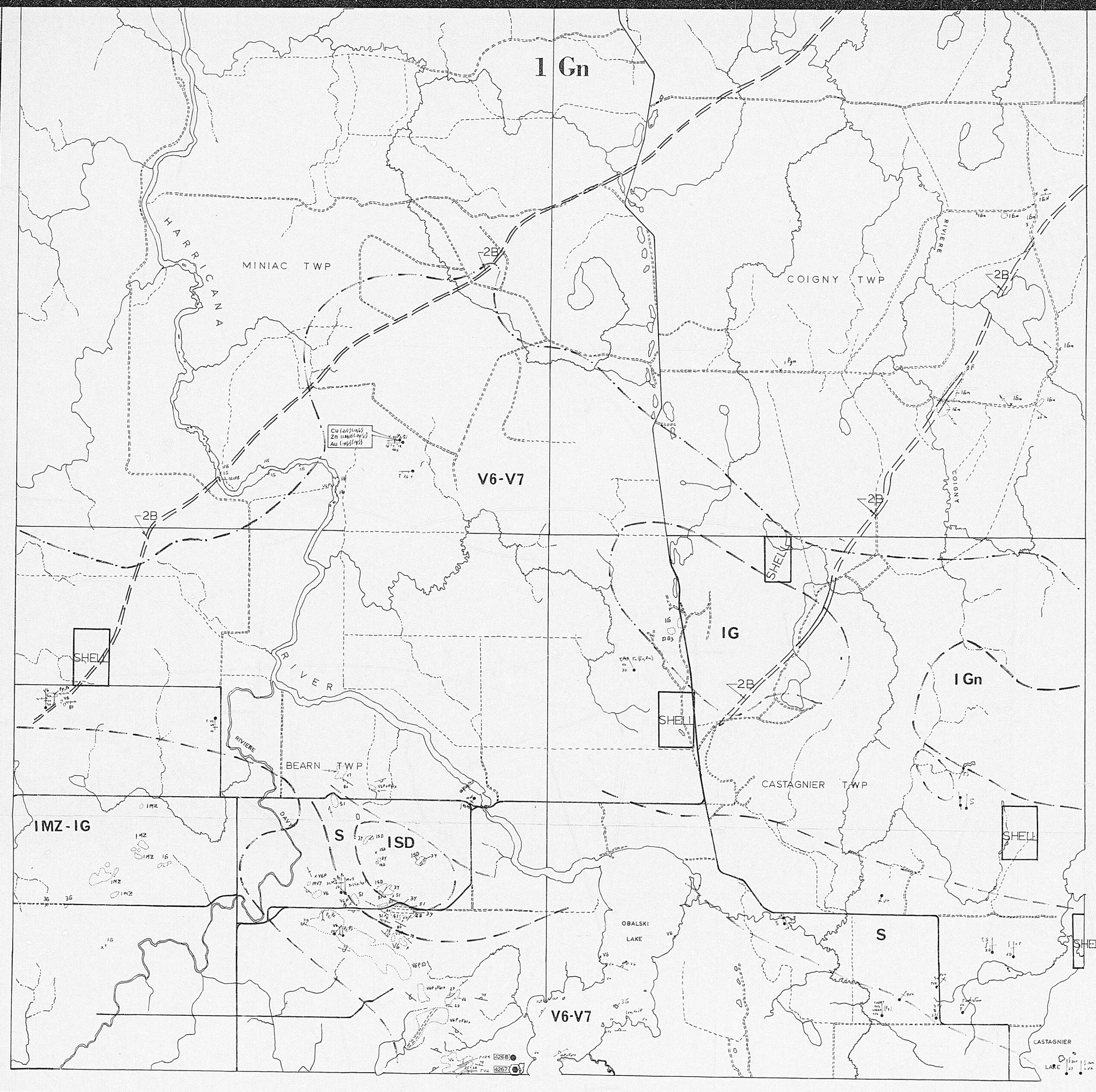
↗ ↘ Axis of a) anticline b) syncline c) overturned syncline

○ ○ Rock Sample Location

SHELL Shell Mining Properties

○ ○ Diamond drillhole a) vertical b) inclined c) bottom sulphide d) granite

1/2



V1 ACIDIC TO INTERMEDIATE VOLCANIC ROCKS

V2 RHYOLITE 72% ± SiO₂

V2R RHYODACITE 67% ± SiO₂ < 72%

V4 DACITE 62% ± SiO₂ < 67%

V5 INTERMEDIATE TO BASIC VOLCANIC ROCKS

V6 ANDESITE 54% ± SiO₂ < 62%

V7 BASALT 45% ± SiO₂ < 54%

STRUCTURES and TEXTURES

P PILLOWED LAVA

T TUFF

LT LAPILLI TUFF

AGG AGGLOMERATE

FBRX FLOW BRECCIA

□ □ PORPHYRY

△ BRECCIATED

MINERALISATION and ALTERATION

Au Gold	Mg Magnetite	Amph Amphibole
Cu Copper	Py Pyrite	Sch Schistose
Zn Zinc	Po Pyrrhotite	Ser Sericite
Pb Lead	Cp Chalcopyrite	Carb Carbonate
Mn Manganese	Sp Spinel	Fsp Feldspar
Li Lithium	Gn Galena	Qz Quartz
Ag Silver	Ch Chert	S Sclerite
Gr Graphite	St Sulfur	
Ta Tantalum	IF Iron Formation	

SYMBOLS

○ ○ Outcrop a) large b) small

— — Geological contact a) defined b) assumed c) geophysically inferred

↗ ↘ Strike and dip of beds a) inclined b) subvertical

↗ ↘ Strike and top of flows and beds a) overturned b) normal

↗ ↘ Strike and dip of schistosity a) inclined b) vertical c) dip unknown

↗ ↘ Fault or shear zone a) defined b) assumed

↗ ↘ Axis of a) anticline b) syncline c) overturned syncline

○ ○ Rock Sample Location

SHELL Shell Mining Properties

○ ○ Diamond drillhole a) vertical b) inclined c) bottom sulphide d) granite

— — Trench

— — Mine shaft

— — Gravel pit

— — Road a) first class b) second class c) trail

— — Railway track

— — Power line

— — Swamp

ORIENTATIONAL SYMBOLS

Scale 1:50,000

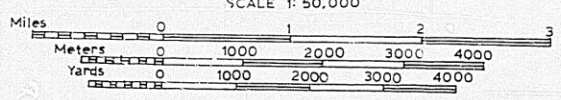
1000 2000 3000 4000

0 1000 2000 3000 4000

0 1000 2000 3000 4000

COIGNY PROJECT
map 2 of 3

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minier
DATE: 13 JUIN 1973
No. G.M. 38573



GEOLOGICAL MAP
CENTRAL SHEET

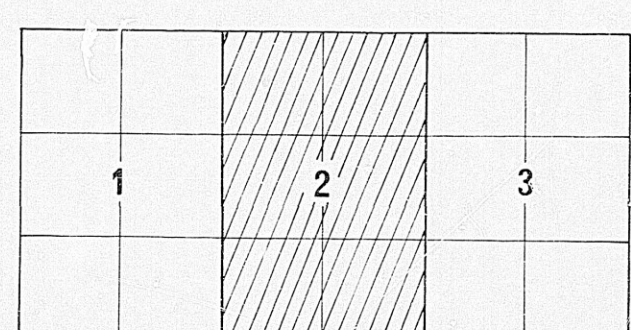
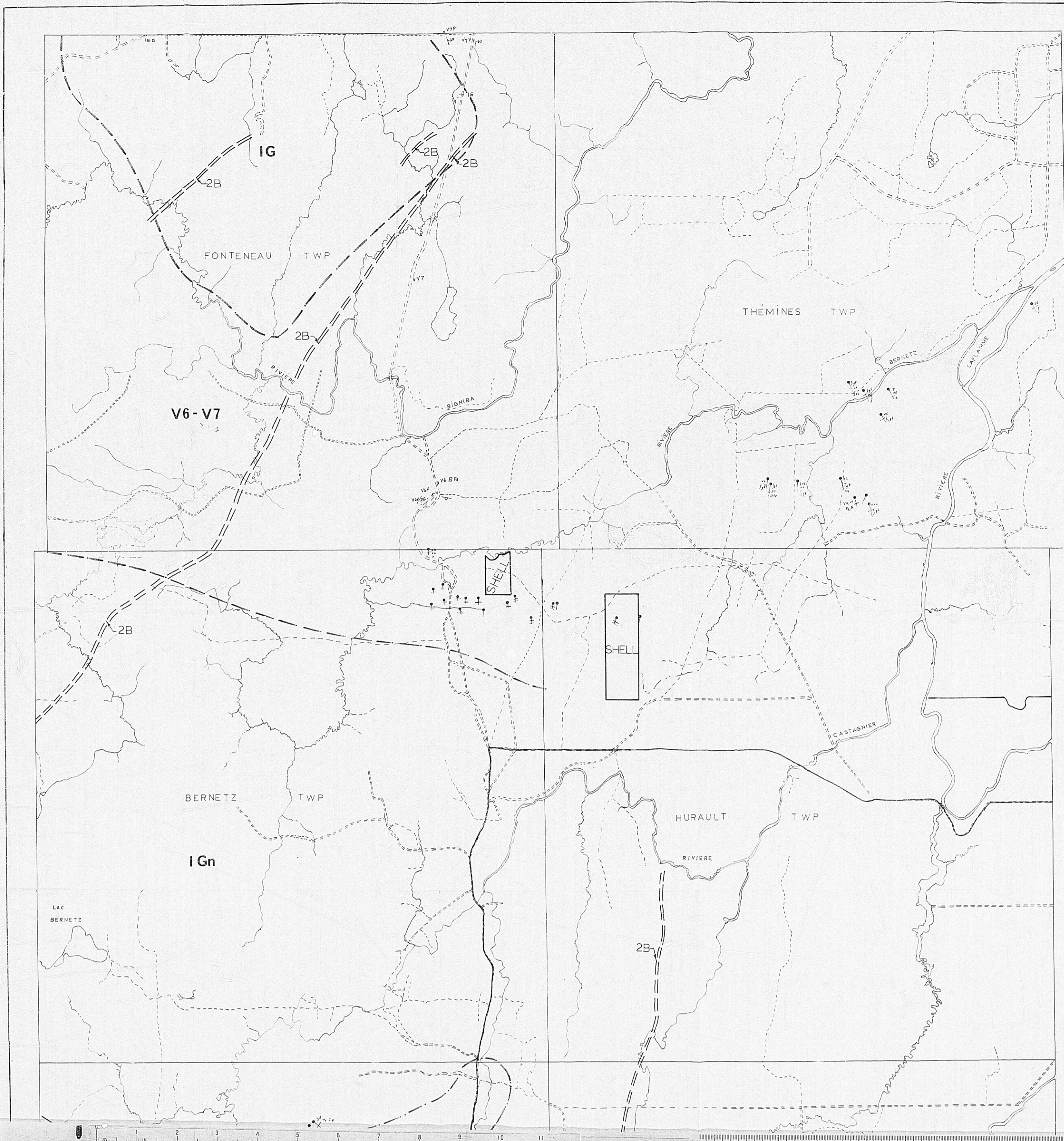


FIGURE 5B

2/2



Legend

INTRUSIVE ROCKS

- 2B DIABASE
- M3 HYBRID ROCKS (Granite with veins of mafic rocks)
- G ACID INTRUSIVES
- 10 GRANITE 150 MONZONITE 151 SYENITE
- 150 GRANDIORITE 152 SYENODORITE
- 18 QUARTZ PORPHYRY or QUARTZ FELDSPAR PORPHYRY
- 20 DIORITE
- 20 GABBRO 3 MAFIC INTRUSIVE
- 24 PERIDOTITE 25 ULTRAMAFIC INTRUSIVE
- 31 PERKINETE
- 104 GRANITIC GNEISS

SEDIMENTARY ROCKS

- S UNDIFFERENTIATED SEDIMENTARY ROCKS
- S1 CONGLOMERATE
- S2 ARKOSE
- S3 GREYWACKE
- S4 SLATE
- S5 QUARTZITE

VOLCANIC ROCKS

- V VOLCANIC ROCKS
- V1 ACIDIC TO INTERMEDIATE VOLCANIC ROCKS
- V2 RHYOLITE 72% SiO₂
- V2R RHYODACITE 67% SiO₂ - 72%
- V4 DACITE 62% SiO₂ - 67%
- V5 INTERMEDIATE TO BASIC VOLCANIC ROCKS
- V6 ANDESITE 54% SiO₂ - 62%
- V7 BASALT 45% SiO₂ - 54%

STRUCTURES and TEXTURES

- P PILLOWED LAVA
- T TUFF
- LT LAPILLI TUFF
- AGG AGGLOMERATE
- FBRX FLOW BRECCIA
- PORPHYRY
- △ BRECCIATED

MINERALISATION and ALTERATION

Au Gold	Mg Magnetite	Amph Amphibole
Cu Copper	Py Pyrite	Spn Sphalerite
Zn Zinc	Po Pyrrhotite	Sm Siderite
Pb Lead	Cp Chalcopyrite	Car Carbonate
Mo Molybdenum	Spn Sphalerite	Fsp Feldspar
Li Lithium	Gn Galena	Qz Quartz
Ag Silver	Ch Chert	S Schist
Gr Graphite	St Siderite	
Ta Tantalum	IF Iron Formation	

SYMBOLS

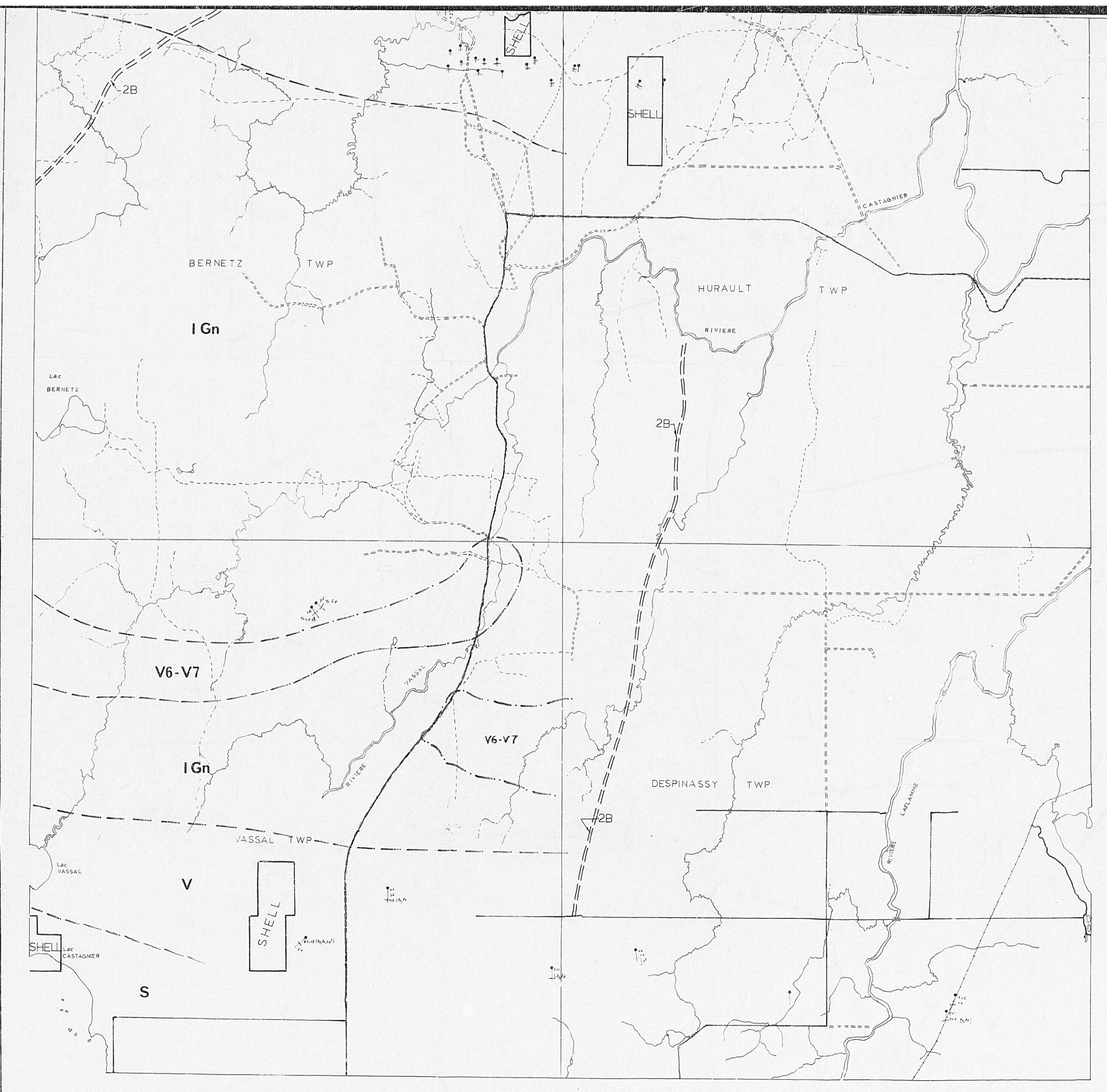
- Outcrop a) large b) small
- Geological contact a) defined b) assumed c) geophysically inferred
- Strike and dip of beds a) inclined b) subvertical
- Strike and top of flows and beds a) overturned b) normal
- Strike and dip of schistosity a) inclined b) overturned c) dip unknown
- Fault of shear zone a) defined b) assumed
- Axis of a) anticline b) syncline c) overturned syncline

BZIC Rock Sample Location

SHELL Shell Mining Properties

- Diamond drill hole a) vertical b) inclined
- Mine shaft a) barren sulfite b) granite
- Trench
- Mine shaft
- Gravel pit
- Road a) first class of second class b) trail
- Railway track
- Power line
- Swamp

1/2



Legend

INTRUSIVE ROCKS

- 2B DIABASE
- M3 HYBRID ROCKS (Granite with veins of mafic rocks)
- G ACID INTRUSIVES
- 10 GRANITE 150 MONZONITE 151 SYENITE
- 150 GRANDIORITE 152 SYENODORITE
- 18 QUARTZ PORPHYRY or QUARTZ FELDSPAR PORPHYRY
- 20 DIORITE
- 20 GABBRO 3 MAFIC INTRUSIVE
- 24 PERIDOTITE 25 ULTRAMAFIC INTRUSIVE
- 31 PERKINETE
- 104 GRANITIC GNEISS

SEDIMENTARY ROCKS

- S UNDIFFERENTIATED SEDIMENTARY ROCKS
- S1 CONGLOMERATE
- S2 ARKOSE
- S3 GREYWACKE
- S4 SLATE
- S5 QUARTZITE

VOLCANIC ROCKS

- V VOLCANIC ROCKS
- V1 ACIDIC TO INTERMEDIATE VOLCANIC ROCKS
- V2 RHYOLITE 72% SiO₂
- V2R RHYODACITE 67% SiO₂ - 72%
- V4 DACITE 62% SiO₂ - 67%
- V5 INTERMEDIATE TO BASIC VOLCANIC ROCKS
- V6 ANDESITE 54% SiO₂ - 62%
- V7 BASALT 45% SiO₂ - 54%

STRUCTURES and TEXTURES

- P PILLOWED LAVA
- T TUFF
- LT LAPILLI TUFF
- AGG AGGLOMERATE
- FBRX FLOW BRECCIA
- PORPHYRY
- △ BRECCIATED

MINERALISATION and ALTERATION

Au Gold	Mg Magnetite	Amph Amphibole
Cu Copper	Py Pyrite	Spn Sphalerite
Zn Zinc	Po Pyrrhotite	Sm Siderite
Pb Lead	Cp Chalcopyrite	Car Carbonate
Mo Molybdenum	Spn Sphalerite	Fsp Feldspar
Li Lithium	Gn Galena	Qz Quartz
Ag Silver	Ch Chert	S Schist
Gr Graphite	St Siderite	
Ta Tantalum	IF Iron Formation	

SYMBOLS

- Outcrop a) large b) small
- Geological contact a) defined b) assumed c) geophysically inferred
- Strike and dip of beds a) inclined b) subvertical
- Strike and top of flows and beds a) overturned b) normal
- Strike and dip of schistosity a) inclined b) overturned c) dip unknown
- Fault of shear zone a) defined b) assumed
- Axis of a) anticline b) syncline c) overturned syncline

BZIC Rock Sample Location

SHELL Shell Mining Properties

- Diamond drill hole a) vertical b) inclined
- Mine shaft a) barren sulfite b) granite
- Trench
- Mine shaft
- Gravel pit
- Road a) first class of second class b) trail
- Railway track
- Power line
- Swamp

COIGNY PROJECT
map 3 of 3

SCALE 1:50,000
GEOLOGICAL MAP
EAST SHEET

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 13 02 1977
No. G.M. 35573

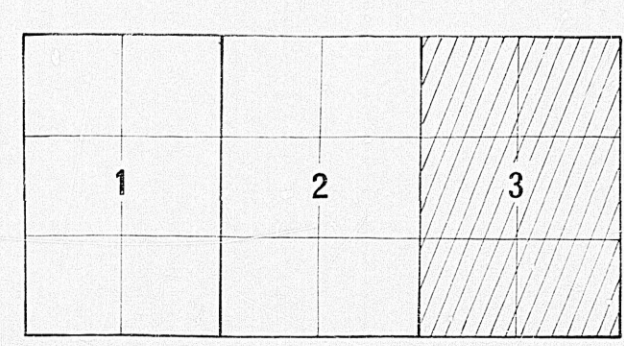


FIGURE 5C

2/2

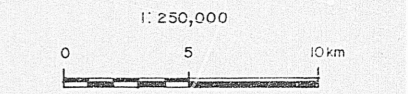
Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral

DATE: 13 JUIL 1980
No G.M.: 38873

E N D

- INTRUSIVE ROCKS
- 2B DIABASE
 - 1G GRANITE
 - 1MZ MONZONITE
 - 1SY SYENITE
 - 1SD SYENODIORITE
 - 2D DTORITE
 - 3 MAFIC INTRUSIVE ROCKS
 - 3G GABBRO
- GNEISS
- 1GN GRANITIC GNEISS
- VOLCANIC ROCKS
- V2 RHYOLITE
 - V6 ANDESITE
 - V7 BASALT
- SEDIMENTARY ROCKS
- S UNDIFFERENTIATED ROCKS

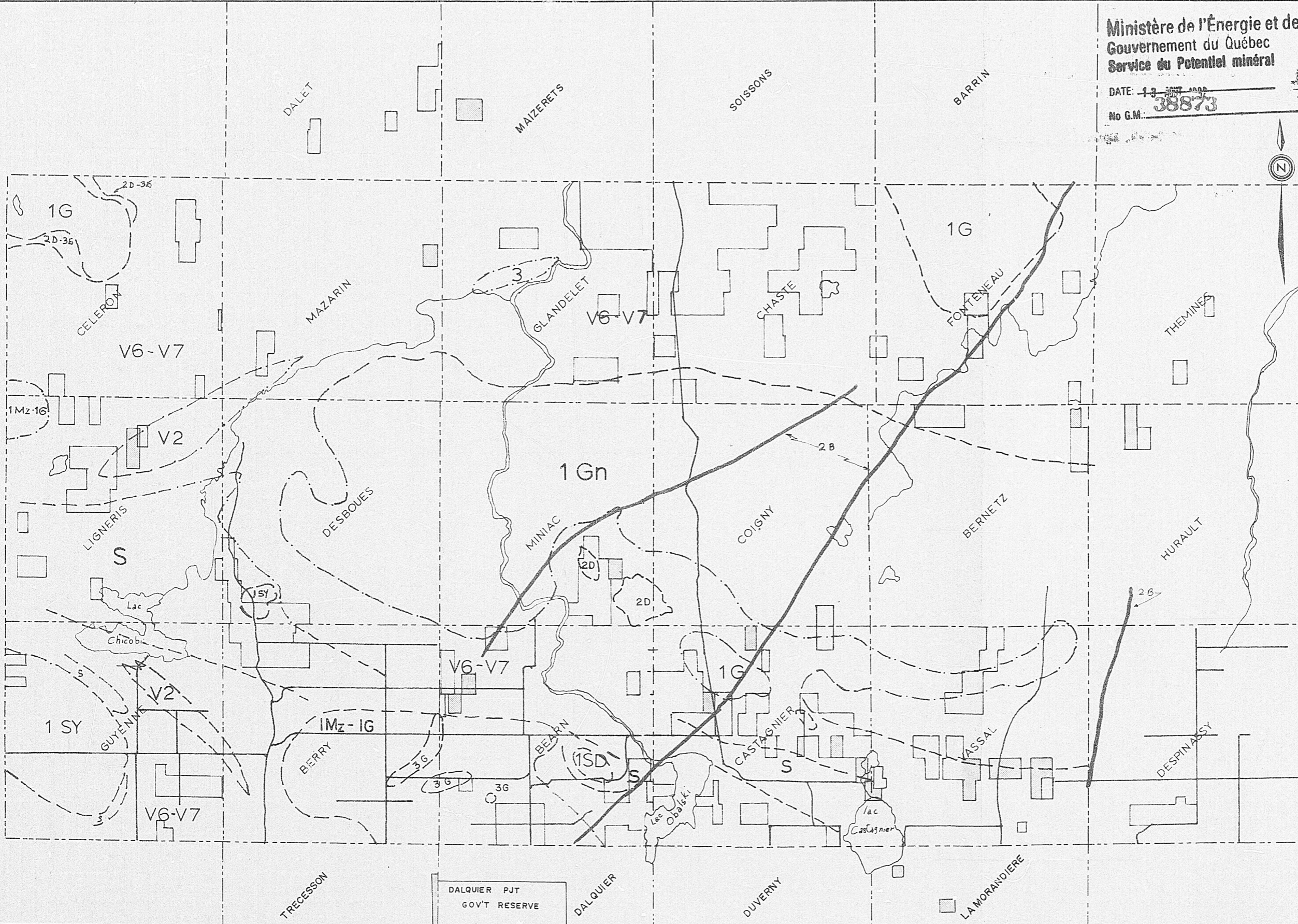
- SHELL PROPERTIES
- OTHER COMPANIES PROPERTIES



SHELL CANADA RESOURCES LIMITED
MINERALS DEPARTMENT

PROPERTIES MAP
COIGNY PROJECT
QUEBEC

R. Crepeau June 1980	Fig. 2	1:50000 NTS 32
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DALQUIER PJT
GOV'T RESERVE

Ministère de l'Énergie et des Ressources
 Gouvernement du Québec
 Service du Potentiel minéral

DATE: 13 AOÛT 1982

No G.M.: 38873

LEGEND

- INTRUSIVE ROCKS
 - 2B DIABASE
 - 1G GRANITE
 - 1Mz MONZONITE
 - 1SY SYENITE
 - 1SD SYENODIORITE
 - 2D DIORITE
 - MAFIC INTRUSIVE ROCK
 - GABBRIO
 - GNEISS
 - 1GN GRANITIC GNEISS
- VOLCANIC ROCKS
 - V2 RHYOLITE
 - V6 ANDESITE
 - V7 BASALT
- SEDIMENTARY ROCKS
 - S UNDIFFERENTIATED SEDIMENT

- GEOLOGICAL CONTACTS
- a) Presumed
 - b) Geophysically inferred

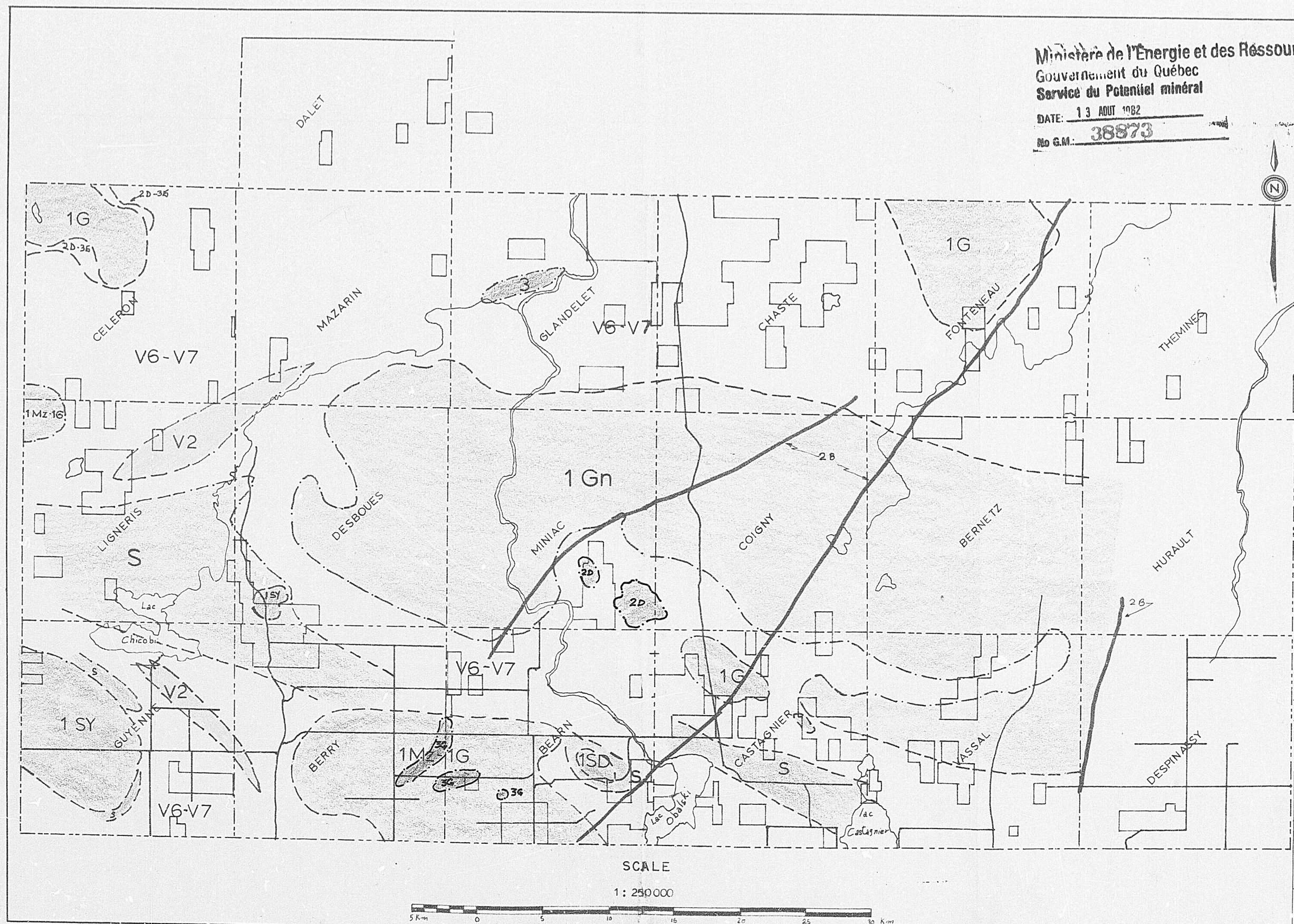
SHELL CANADA RESOURCES LIMITED

MINERALS DEPARTMENT

GENERAL GEOLOGY

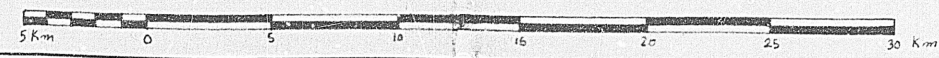
COIGNY PROJECT
 QUEBEC

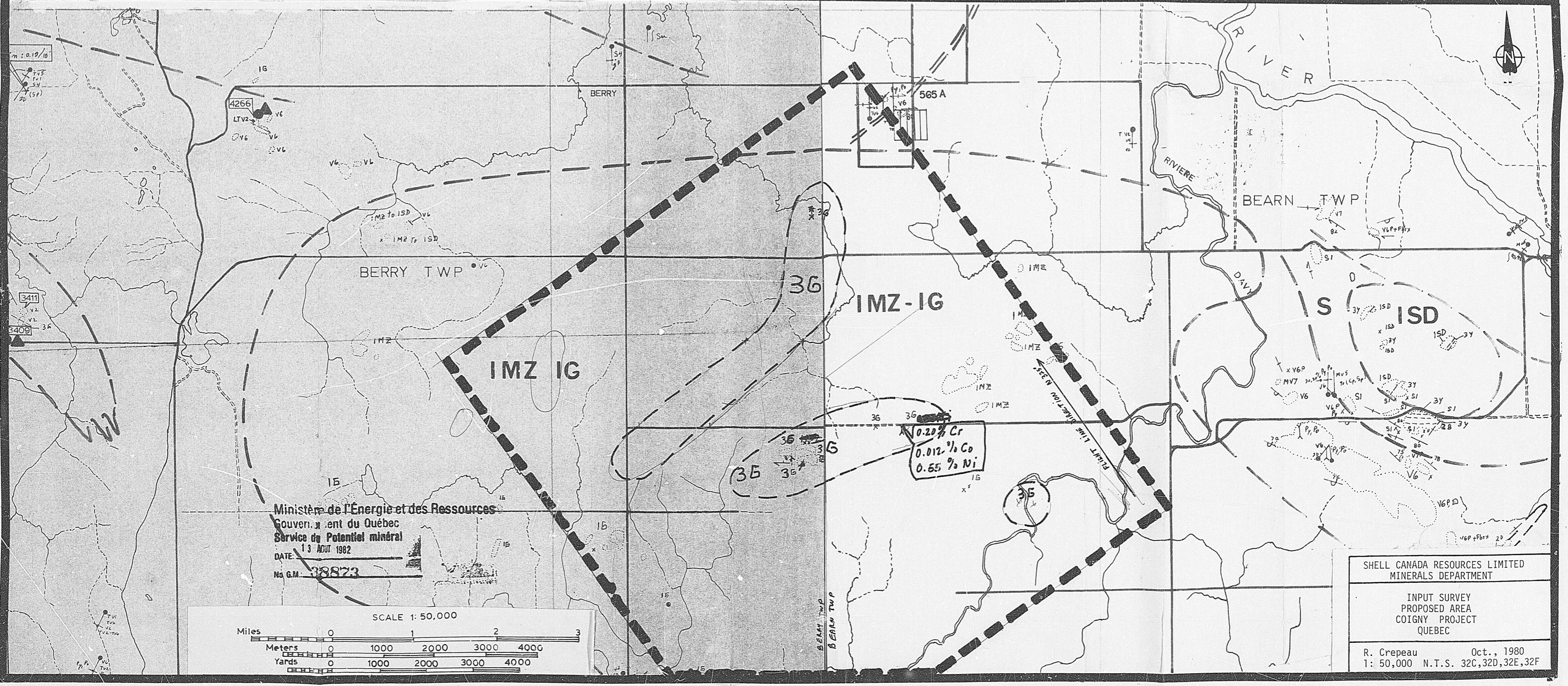
R. Crepeau June 1980 Fig. 4 1:50000
 NTS 3.2



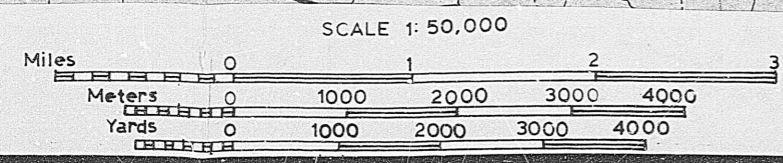
SCALE

1:250 000





Ministère de l'Énergie et des Ressources
 Gouvernement du Québec
 Service de Potentiel minéral
 DATE: 13 AOÛT 1982
 No G.M.: 38873



0.20% Cr
 0.012% Co
 0.65% Ni

SHELL CANADA RESOURCES LIMITED
 MINERALS DEPARTMENT

INPUT SURVEY
 PROPOSED AREA
 COIGNY PROJECT
 QUEBEC

R. Crepeau Oct., 1980
 1:50,000 N.T.S. 32C,32D,32E,32F