

HOLE NUMBER: REA54-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 11/30/1995
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8269
PROJECT NUMBER: 8269
CLAIM NUMBER: P1204792
LOCATION: REALME TWP.

PLOTTING COORDS GRID: UTM
NORTH: 5421426.00M
EAST: 490574.00E
ELEV: 280.00

ALTERNATE COORDS GRID: REA95-03
NORTH: 0+40M
EAST: 4+ 0E
ELEV: 280.00

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 197.00M
START DEPTH: 0.00M
FINAL DEPTH: 197.00M

COLLAR ASTRONOMIC AZIMUTH: 5° 0' 0"

GRID ASTRONOMIC AZIMUTH: 5° 0' 0"

DATE STARTED: 10/18/1995
DATE COMPLETED: 10/20/1995
DATE LOGGED: / /
COLLAR SURVEY: NO
ROD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Dominik Drilling
CASING:
CORE STORAGE: Kidd Mine Site
UTM COORD.:

COMMENTS :
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	5° 0' 0"	-46° 0' 0"	A	OK	
120.00	5° 0' 0"	-43° 0' 0"	A	OK	
180.00	5° 0' 0"	-43° 0' 0"	A	OK	
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010

HOLE NUMBER: REA54-01

DRILL HOLE RECORD

LOGGED BY: P.J. Nagel PAGE: 1

Catch for Paul Nagel

HOLE NUMBER: REA54-01

DRILL HOLE RECORD

DATE: 11/30/1995

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 37.00	OVERBURDEN «{ob}»					
37.00 TO 62.06	MAFIC VOLCANIC «2»	<ul style="list-style-type: none"> -light grey with greenish tint -weakly to strongly foliated -fine grained; locally medium grained -variably textured -locally spherulitic (238.4m) -many decametre size bands of black argillaceous sediment (interflow) -locally brecciated at flow top -crosscut by 1% white carbonate microveinlets -crosscut by irregular dark grey to black very fine chloritic? veinlets -lower contact sharp <p>foliation 36°245m, 38°258m</p>		<ul style="list-style-type: none"> -locally silicified -carbonate alteration weak overall but locally pervasive in matrix and in veinlets -locally chloritic -trace sericite 	<ul style="list-style-type: none"> -trace disseminated pyrite only -trace pyrite and pyrrhotite along microfractures 	<p>AR07789 41.58m-41.88m W-R Sample</p> <ul style="list-style-type: none"> -massive, grey, fine grained, mafic volcanic with 2% dark grey microveinlets <p>AR07790 57.21m-57.51m W-R Sample</p> <ul style="list-style-type: none"> -moderately foliated, light grey, mafic volcanic, fine to medium grained, no veining
62.06 TO 120.84	MAFIC INTRUSIVE DIORITE «7»	<ul style="list-style-type: none"> -medium grained; locally coarse grained over decametre -massive to weakly foliated -leucoxene bearing 1%; white to pink -crosscut by <1% milky white quartz veins <1cm wide -84.59m-84.95m quartz vein -dark green and white; locally grey in areas of carbonate alteration -relatively homogeneous with local variation in grain size and color only and leucoxene content -few minor shears -very weak foliation 39°279m -<1% "quartz eye" appearing feldspathoid? equant crystals 3mm wide 298m -113m-116m quartz veins 24°CA to 1.5cm wide -local carbonate veining -locally weakly sheared with chlorite and carbonate -lower contact gradational over 1 metre, marked by disappearance of leucoxene and 10cm breccia zone 		<ul style="list-style-type: none"> -strong carbonate alteration locally over metre widths 	<ul style="list-style-type: none"> -contains very trace disseminated pyrrhotite and lesser chalcopyrite in coarse grained intervals 	<p>AR07791 71.63m-71.97m WR Sample</p> <ul style="list-style-type: none"> -coarse grained diorite with trace pyrrhotite and lesser chalcopyrite <p>AR07792 114.13m-114.43m W-R Sample</p> <ul style="list-style-type: none"> -coarse grained diorite
120.84 TO 166.50	MAFIC VOLCANIC «2»	<ul style="list-style-type: none"> -dark green -fine grained -massive to weakly foliated -pillowed on 5 metre scale 		<ul style="list-style-type: none"> -no significant alteration 	<ul style="list-style-type: none"> -trace pyrite and lesser pyrrhotite only 	<p>AR07793 140.00m-140.30m W-R Sample</p> <ul style="list-style-type: none"> fine grained mafic volcanic

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DRILL HOLE RECORD

LOGGED BY: P.J. Nagerl

PAGE: 2

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
166.50 TO 197.00	DIORITE #7	<ul style="list-style-type: none"> -upper contact with diorite is brecciated -may represent hyaloclastite -crosscut by <1% mm scale carbonate veining at various angles -few minor medium grained leucoxene bearing intervals -locally spherulitic @127.8m -local shears 51*@130m, 34*@160m -lower contact brecciated and sheared <p>165.16m-166.5m</p> <ul style="list-style-type: none"> -shear breccia zone with quartz veining and carbonate veining; trace pyrite and pyrrhotite @34*CA <ul style="list-style-type: none"> -grey green -fine to medium grained -massive to weakly foliated -crosscut by <1% mm size carbonate veins -crosscut by <1% milky white quartz veins -coarsens down hole -variable texture with respect to grain size and color (light and dark) <p>179.16m-179.39m quartz vein 179.85m-180.53m quartz vein 193.53m-193.67m quartz vein 190.24m-190.30m shear @46*CA contains carbonate and 5% pyrite with trace pyrrhotite and lesser chalcopyrite</p>		-no significant alteration	-trace euhedral mm size pyrite locally	AR07794 194.00m-194.30m W-R Sample medium grained massive diorite
197.00 TO 197.00	<EOM> End-of-Hole					

HOLE NUMBER: REA54-01

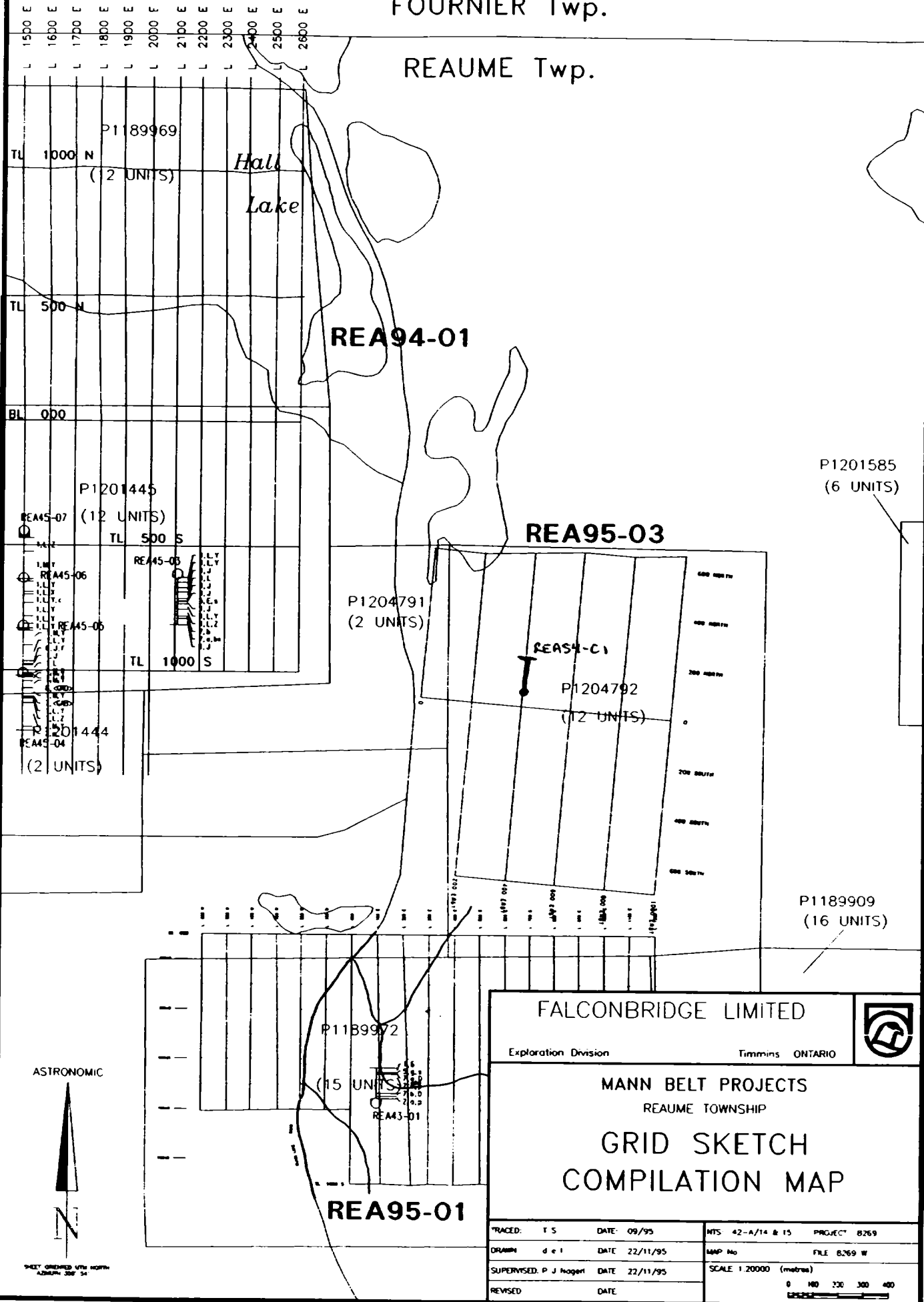
DRILL HOLE RECORD

LOGGED BY: P.J. Nagerl

PAGE: 3

FOURNIER Twp.

REAUME Twp.



ASTRONOMIC



NET ORIENTED WITH NORTH
AS SHOWN ON 24

FALCONBRIDGE LIMITED

Exploration Division

Timmins ONTARIO

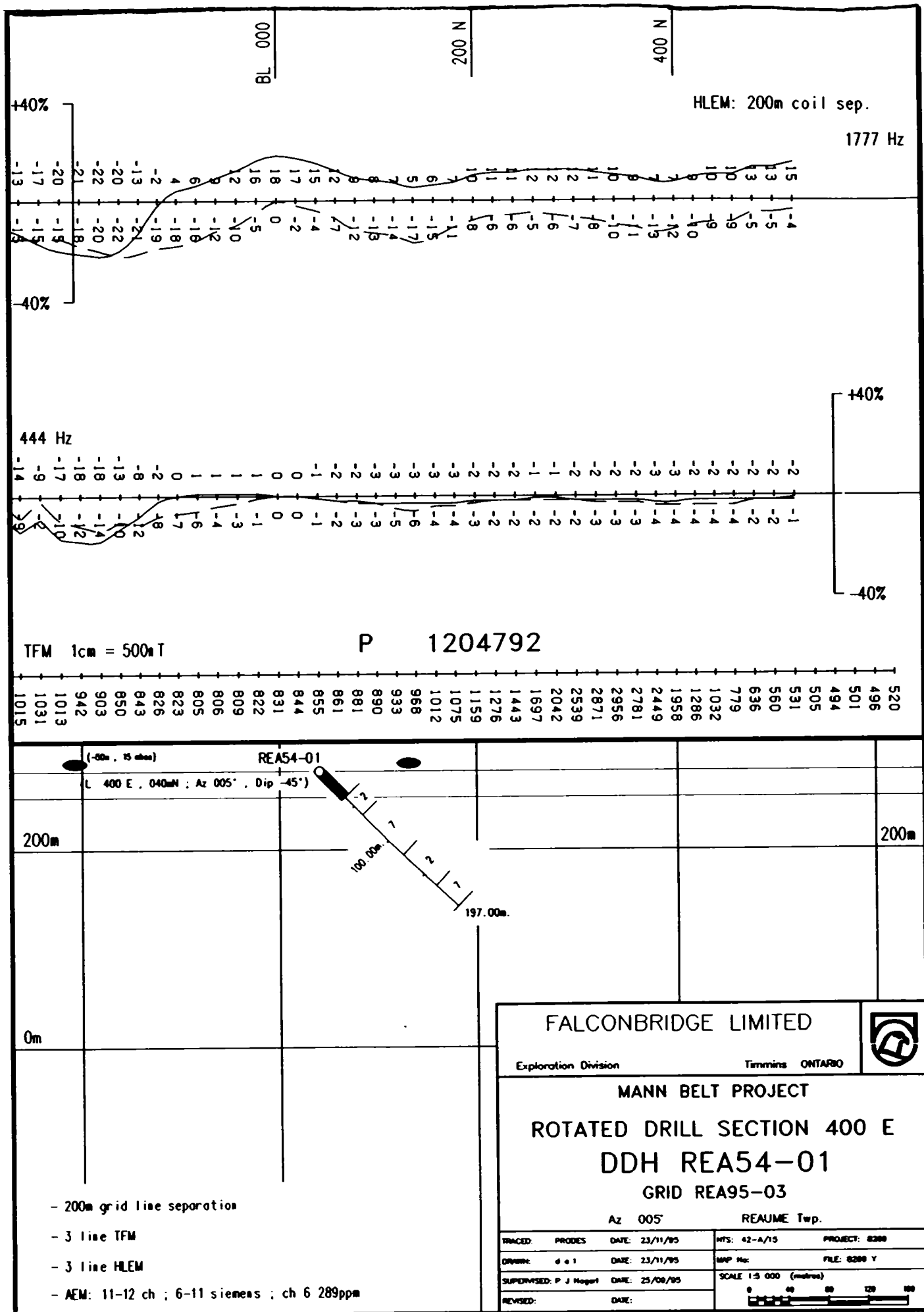


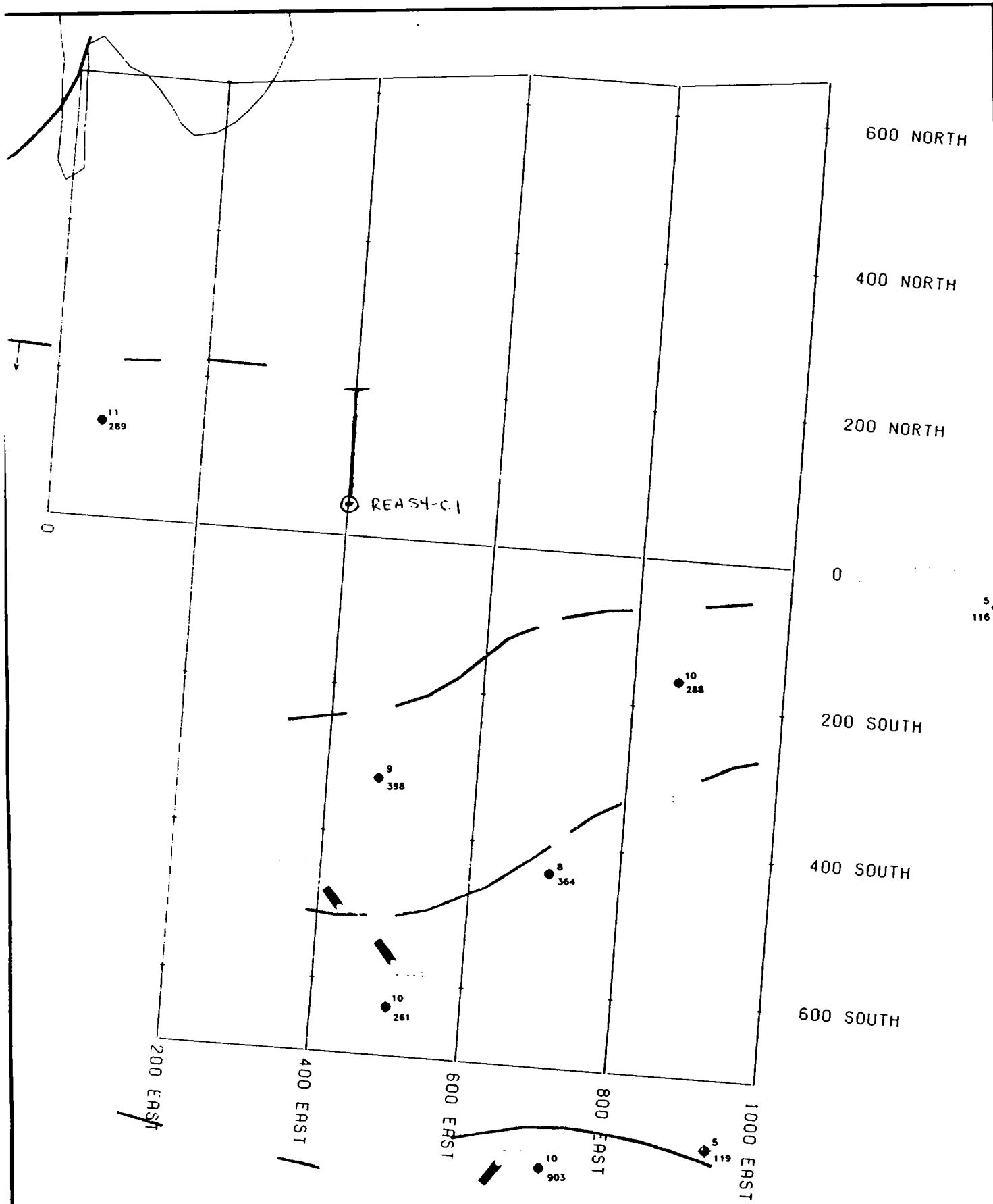
MANN BELT PROJECTS


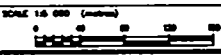
REAUME TOWNSHIP

GRID SKETCH
COMPILATION MAP

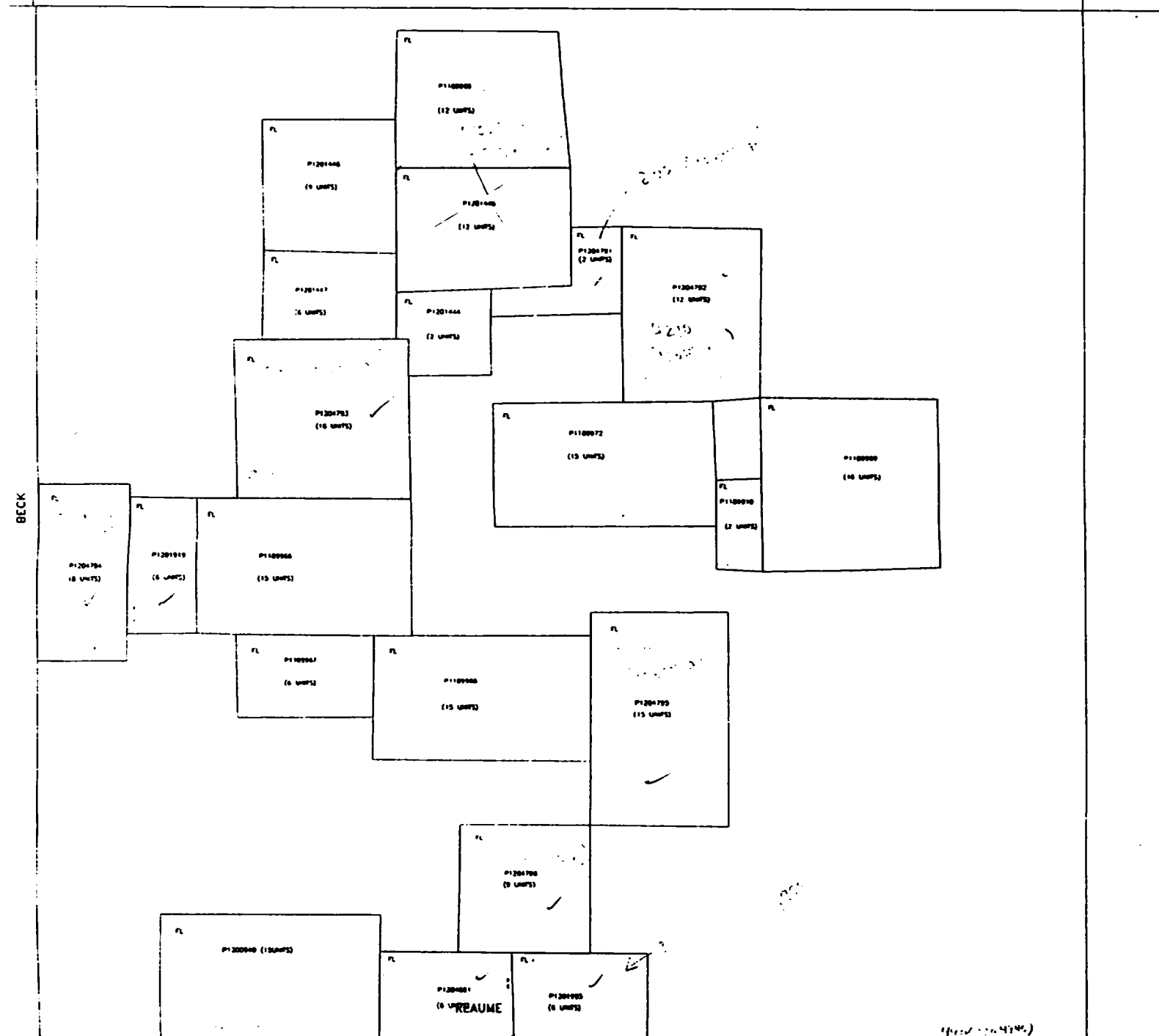
TRACED: T S	DATE: 09/95	NTS: 42-A/14 & 15	PROJECT: 8269
DRAWN: d e l	DATE: 22/11/95	MAP No:	FILE: 8269 W
SUPERVISED: P. J. Hooper	DATE: 22/11/95	SCALE: 1:20000 (metres)	
REVISED:	DATE:	0 100 200 300 400	



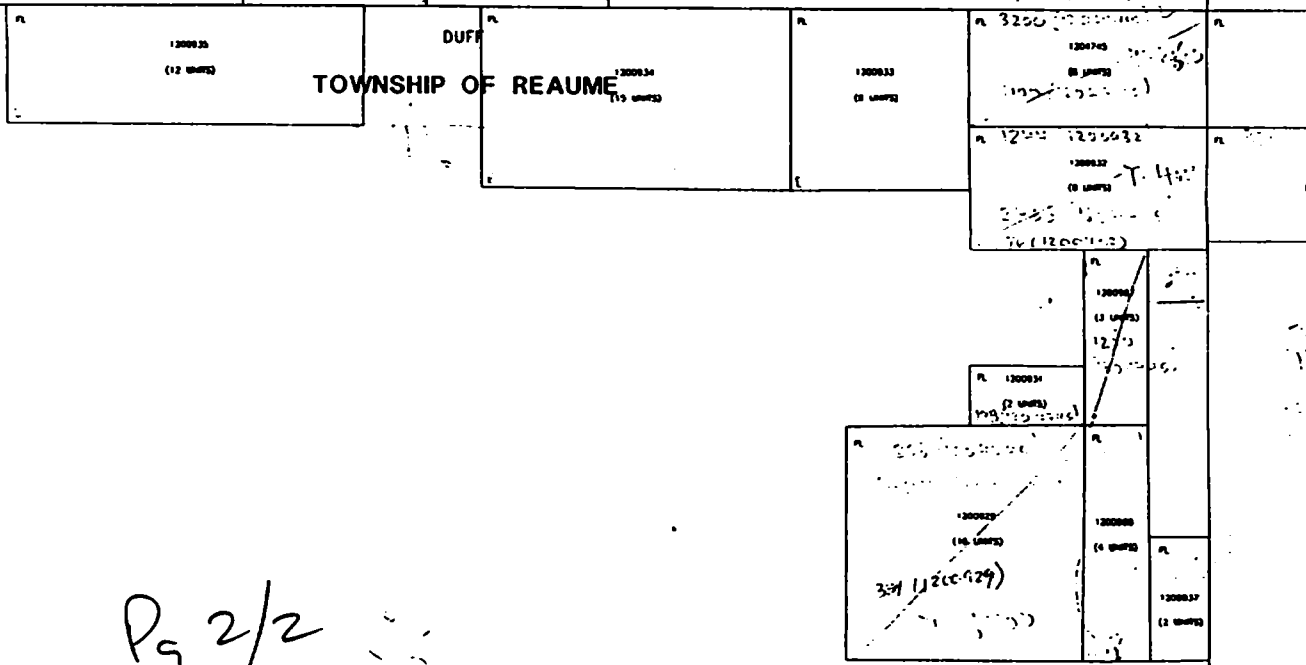


FALCONBRIDGE LIMITED		
Exploration Division	Temiskaming ONTARIO	
MANN BELT PROJECT GRID REA95-03 REALME TOWNSHIP		
DIAMOND DRILL PLAN		
PROJECT: E289	DATE: 10/98	PROJECT: E289
DRAWN: RBR	DATE: 10/98	FILE: REAS4-C1
SUPERVISOR: P. J. HOGAN	DATE: 12/11/98	SCALE: 1:500 (metres)
REVISION: 0 = 1	DATE: 12/11/98	

BECK

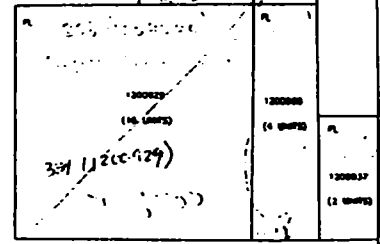


LUCAS



Pg 2/2

0/30 1/10
15/1 2/10



1080 rue Echo, P.O. Box 247
 Val D'Or, Québec
 J9P 4P3
 Tel.: (819) 824-6839
 Fax.: (819) 824-4217

forage
MAJOR
DOMINIK
 drilling

Page 002
 No 6206

CON'T:

ANALYSES:

REA-5501: sperry sun test at 60m, 120m, 180m.
 REA-4301: sperry sun test at 60m.
 REA-5201: sperry sun test at 45m, 60m, 120m.
 REA-3101: sperry sun test at 77m.

8 sperry sun test n/c

OTHER COSTS:

Oct. 16 : 14 man hrs (move on hole REA-5501)
 Oct. 17 : 24 man hrs (" ")
 Oct. 17 : 8 float hrs (" ")
 Oct. 17 : 1 tractor hr (" ")
 Oct. 18 : 12 man hrs (finishing move REA-5501)
 Oct. 18 : 2 tractor hr (" ")
 Oct. 20 : 16 man hrs (move on hole REA-4301)
 Oct. 20 : 2 tractor hr (" ")
 Oct. 22 : 6 man hrs (move on hole REA-5201)
 Oct. 23 : 16 man hrs (build bridge)
 Oct. 23 : 3 muskeg hrs (build bridge all wood)
 Oct. 23 : 12 man hrs (move, build bridge)
 Oct. 23 : 3 tractor hr (" ")
 Oct. 24 : 10 man hrs (" ")
 Oct. 24 : 5 tractor hr (" ")
 Oct. 26 : 18 man hrs (move on hole REA-3101)
 Oct. 26 : 5 tractor hr (" ")

50 x 23.50 = 1175.00
 3 x 80 = 240.00
 8 x 70 = 560.00
 1975.00
 + 138.25 tx
 [2113.25]

128 man hrs x 23,50 = 3 008,00
 8 float x 70,00 = 560,00
 18 tractor hrs x 80,00 = 1 440,00
 3 muskeg hrs x 45,00 = 135,00

7% GST

\$ 5 143,00
 360,01 ✓
 \$ 5 503,01

REASS-01
 conc boxes

160m = $\frac{6m}{bx} \times \$5.75/bx = 153.33 + 10.73 = 164.06$

1080 rue Echo, P.O. Box 247
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7% GST

\$ 5 143,00
 360,01 ✓
 \$ 5 503,01

REA-55-01
 core boxes

160m ÷ $\frac{6m}{box}$ x \$5.75/box = 153.33 + 10.73 tx = 164.06



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9560.00521

Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, 1 Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



42A14NE0068 W9560-00521 REAUME

900

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No. 130679
Address P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area REAUME	M or G Plan No.
Dates Work Performed From: October 18, 1995		To: October 20, 1995

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	DOMINIK DRILLING (AREA ⁵⁴ - C1 ; 197m)
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

RECORDED
DEC 04 1995

Total Assessment Work Claimed on the Attached Statement of Costs \$ 14,078

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
DOMINIK DRILLING	409 KING ST P.O. Box 479 PORCUPINE, ONT.

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Nov. 28, 1995	Recorded Holder or Agent (Signature) Christina Petel
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Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying CHRISTINA PETEL P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9		
Telephone No. (705) 267-1188	Date NOVEMBER 28, 1995	Certified By (Signature) Christina Petel

For Office Use Only

\$ 14,078	Total Value Cr. Recorded	Date Recorded	Mining Recorder	<div style="border: 2px solid black; padding: 5px; font-weight: bold; font-size: 1.5em;">RECEIVED</div> <p>DEC 4 1995 e 9:20 (c) de PORCUPINE MINING DIVISION</p>
	Deemed Approval Date MARCH 3/96	Date Approved MARCH 3, 1996		
	Date Notice for Amendments Sent			



Statement of Costs for Assessment Credit
État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction
W9560.00521

Mining Act/Loi sur les mines

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	1800	1800
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type	2113.25	
	DOMINIK	164.06	
		9091.63	
		11368.99	11368
Supplies Used Fournitures utilisées	Type		
	CORE RACKS	160	160
Equipment Rental Location de matériel	Type		
	TRUCK-TILDEN	350.00	
	ATV	250.00	
	RADIO-CELLPHONE	50.00	650
Total Direct Costs Total des coûts directs			13978

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
	GASOLINE	100	100
Food and Lodging Nourriture et hébergement			100
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			100
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			100
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			14078

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.
that as CHRISTINE PETCH (Recorded Holder, Agent, Position in Company) I am authorized to make this certification

Attestation de l'état des coûts

J'atteste par la présente : que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.
Et qu'à titre de _____ Je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie) à faire cette attestation.

Signature: C. Petch Date: Nov. 28/95

Ministry of
Northern Development
and MinesMinistère du
Développement du Nord
et des Mines(705) 360-8330
Fax: 360-2001**File: W9560.00521**

April 15, 1996

Falconbridge Limited
P.O. Box 1140
571 Moneta Avenue
Timmins, ON
P4N 7H9**Subject: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING
CLAIMS P-1204792 et al in REAUME TOWNSHIP**

A Notice of Deficiency was not issued on this Report of Work prior to the 90 day deemed approval date and as outlined in subsection 6(5) of the Mining Act Regulations this Report of Work is deemed approved as of MARCH 3, 1996.

If you require further information please contact Terry Binkley at (705) 360-8338.

Yours sincerely,

Dale Messenger
Acting Mining Recorder
Porcupine Mining Division

TB/

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Subdivision of this township into lots and concessions was annulled July 9, 1962.

SAND AND GRAVEL

- ⊕ GRAVEL RESERVE FILE 144876 EXPIRED, NOTICE RECEIVED 93-JAN-06
- ⊕ GRAVEL RESERVE FILE 144580
- ⊕ GRAVEL RESERVE FILE 179979
- ⊕ QUARRY PERMIT

* PROPOSED SILVICULTURE PLANTING CAMPS RECEIVED JANUARY 12, 1989

⊗ THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1992/93. FURTHER INFORMATION AVAILABLE ON FILE.

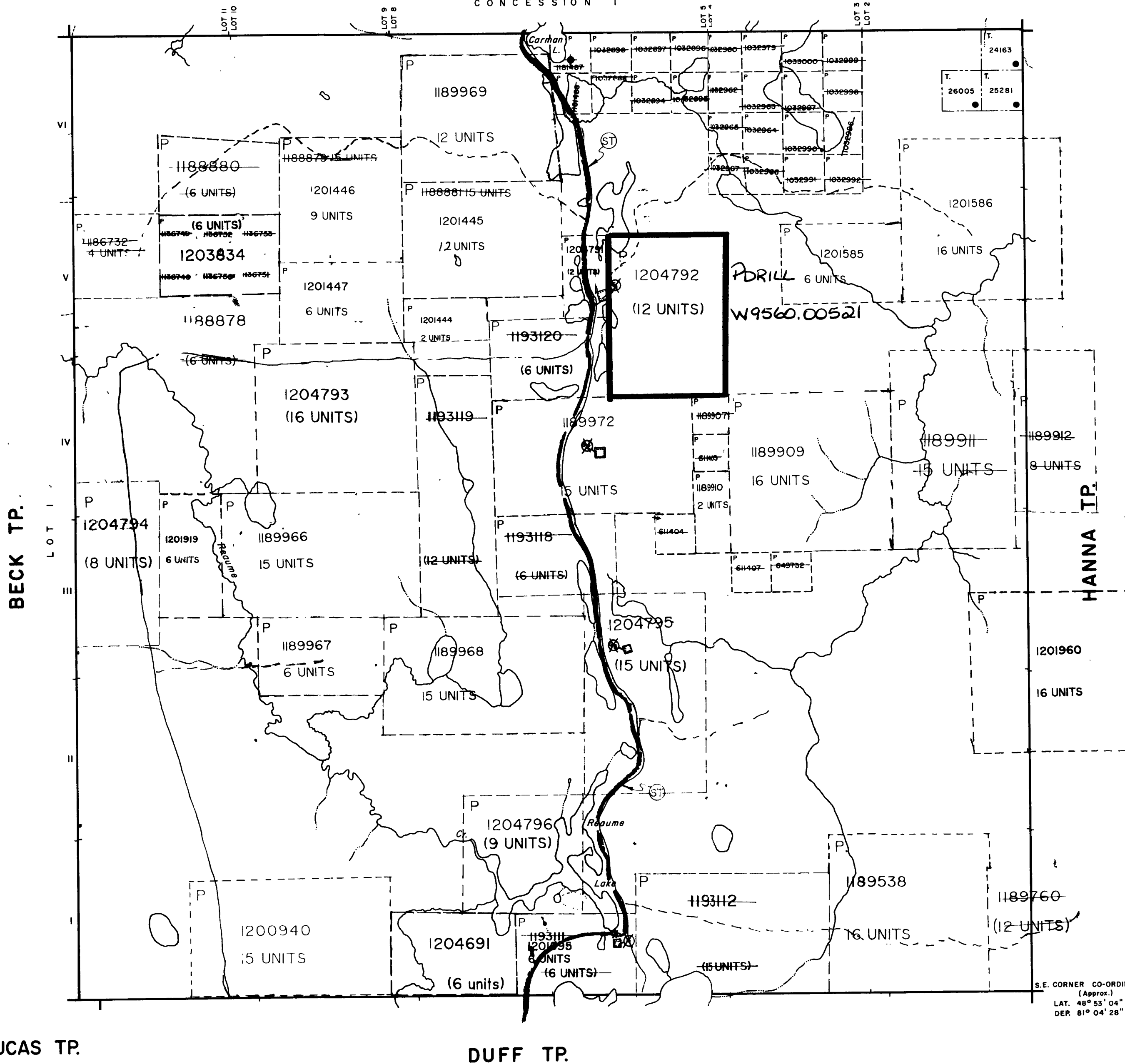
⊕ SNOWMOBILE TRAIL NOTICE RECEIVED 92-DEC-09

⊗ THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94. FURTHER INFORMATION ON FILE.

⊗ THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94. (CHEM. SPRAY, JULY 22, 1993)

FOURNIER TP.

CONCESSION 1



BECK TP.

HANNA TP.

LUCAS TP.

DUFF TP.

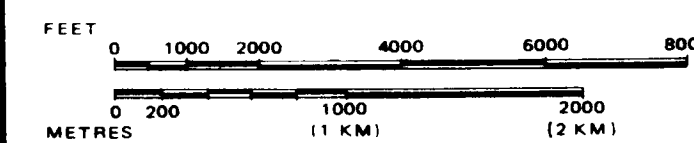
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◉
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕
RTS	✦

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

REAUIME

M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources
 Ministry of Northern Development and Mines

Date	OCT 1975	Number	G-3560
ACTIVATED JULY 20, 1992 BY D.C.		CHECKED BY G.W.	



42A14NE0088 W9560-00521 REAUIME