HOLE NUMBER: NEW15-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 03/16/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: ~~8269~~ Mann Belt
PROJECT NUMBER: 8269
CLAIM NUMBER: P1200998, P1206965
LOCATION: Newmarket Township

PLOTTING COORDS GRID: UTM
NORTH: 0.00
EAST: 0.00
ELEV: 280.00

ALTERNATE COORDS GRID: GRID
NORTH: 3+60N
EAST: 4+ 0W
ELEV: 280.00

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 230.00M
START DEPTH: 0.00M
FINAL DEPTH: 230.00M

COLLAR ASTRONOMIC AZIMUTH: 180° 0' 0"

GRID ASTRONOMIC AZIMUTH: 180° 0' 0"

DATE STARTED: 01/29/1996
DATE COMPLETED: 02/02/1996
DATE LOGGED: 02/01/1996

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: NW, BW
CORE STORAGE: MINESITE
UTM COORD.:

COMMENTS : Minor mineralization at apx. conductor location. Casing left in hole.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
80.00	° ' "	-47° 0' 0"	A	OK	
137.00	° ' "	-44° 0' 0"	A	OK	
206.00	° ' "	-43° 0' 0"	A	OK	
230.00	° ' "	-43° 0' 0"	A	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

C. Petch

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 79.36	Casing «|ob|»					- had to ream last 2.4 metres. - BW (81m) left in hole, NW (60m) pulled.
79.36 TO 100.54	Intermdiate Tuff «3,*a,D»	- medium to light green-grey. - fine grained, weakly crystalline. - thin 2 mm - 5 cm, feldspar porphyritic bands at 80-90°/ca. - feldspars are tabular, sub- euhedral, white, 1-3 mm and up to 40% in a band. - bands are locally boudined. - 92.37-96.02m - faint purplish tinge in feldspar-absent intervals may indicate biotite alteration. - downhole contact approximate with darkening colour of rock and a decrease in banding.	85	- minor pale pink feldspar veins, <1%, irregular. - fine grained matrix may be weakly chloritic. - <1%, pale, hairline fractures cross-cut all features, have faint halos, and tend to be at low angles to ca. - rare, 2 mm chlorite porphyroblasts(?). - 92.37-96.02 - weak biotite and sericite(?) alteration.	- trace to <1% very finely disseminated pyrrhotite and lesser pyrite. - locally pyrrhotite may be concentrated within feldspar-porphyritic bands.	
100.54 TO 230.00	Mafic Volcanic Flows and Tuffs «2,a,m,*a»	- medium to dark green. - very fine grained to fine grained. - moderate to strong foliation defined by chlorite and/or biotite at 85°/ca. - minor (2%) feldspar porphyritic, 1 2 cm, boudined bands (tuffaceous or reworked sedimentary layers) are subparallel to foliation. - abundant near uphole contact. - dark and medium green layers are faintly laminated. - up to 1%, medium green clots of chlorite, carbonate, and garnet with trace finely disseminated sulphides are boudined, strained, and locally folded. - after 123.5m, feldspar-pyric bands rarely occur. - 131-137m - 0.3-1.5 cm, white, irregular, quartz and feldspar clots (amygdules?). - local coarser grained interval up to 2 metres in length (centre of thicker flows?). - locally may be pillowed as selvedge type contacts are observed (1-3 cm wide, symmetric alteration, weakly chloritic, locally containing trace sulphides). - 5%, 2-20mm, pale green patches and wisps are the predominant texture after 136m. They are locally white with minor sericite and trace pyrite and pyrrhotite.		- rare quartz and quartz-carbonate veins at high angles to ca. - 113.0m - thin chlorite stringers with trace sulphides. - weak patchy silicification. - 166m - up to 2% thin, parallel fractures have pale grey halos.	- hairline streaks and smears of pyrrhotite and lesser pyrite (to 1%) in foliation plane with trace disseminated pyrrhotite. - 112.90-113.39m - up to 10% pyrrhotite and chlorite in stringers with trace pyrite and chalcopyrite. - 134.82-134.95m - 4 mm quartz-carbonate vein at 30°/ca contains up to 3% brown and honey-coloured sphalerite with lesser galena. Sphalerite is locally zoned with honey coloured sphalerite rimmed by brown sphalerite. At the vein wall and extending into the rock is 1% chalcopyrite with carbonate and trace pyrrhotite, pyrite and garnet.	- strain in the rocks appears to decrease downhole as boudins are not observed in the last 100m. - individual flows are difficult to define.

HOLE NUMBER: NEW15 01 DRILL HOLE RECORD DATE: 03/16/1996

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		- not magnetic.				

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Co ppm	Cu/Zn	Ni ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AR09662	102.80	104.00	1.20	32	33	3	0.1	1			45							2,*a	chl
AR09663	104.00	105.50	1.50	53	34	<2	0.1	2			46							aa	
AR09664	105.50	107.00	1.50	65	52	3	0.1	18			30							aa	
AR09665	107.00	107.92	0.92	188	92	<2	0.2	1			39							aa	tr po
AR09666	107.92	109.28	1.36	56	44	<2	0.1	1			21							aa	
AR09667	109.28	110.15	0.87	27	43	<2	0.1	1			18							aa	tr po
AR09668	110.15	110.76	0.61	20	39	<2	0.1	3			13							aa	tr po
AR09669	110.76	111.80	1.04	63	41	<2	0.1	1			18							aa	tr po
AR09670	111.80	112.73	0.93	124	55	<2	0.1	1			22							aa	1% po+py
AR09671	112.73	113.70	0.97	361	93	3	0.3	1			37							10% po, tr cpy,	2*a
AR09672	113.70	114.84	1.14	91	44	<2	0.1	4			32								wk sil
AR09673	132.73	133.79	1.06	133	604	<2	0.1	300			18							2,a,m	tr po
AR09674	133.79	134.50	0.71	150	54	<2	0.1	2			25							aa	tr po
AR09675	134.50	135.28	0.78	772	1600	<2	0.5	362			31							1% sph,cpy,gn,	po,py qvn
AR09676	135.28	136.15	0.87	99	67	3	0.1	1			24							2,m	
AR09677	136.15	137.00	0.85	245	127	<2	0.1	95			21							2,m	cut off

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AR09401	86.00	89.00	3.00	57.50	15.50	5.70	5.12	4.07	0.64	7.60	0.53	0.18	0.19	0.05	1.21	98.29	10	90		55	50	115		3,*a,D	3j	149
AR09402	92.37	96.02	3.65	55.35	15.88	6.06	6.21	4.00	0.78	7.19	0.56	0.18	0.13	0.04	2.08	98.46	14	92		50	75	100		3,*a,bt alt.	3(j)	146
AR09403	104.00	107.00	3.00	53.98	12.75	6.61	4.07	3.57	0.50	17.49	0.39	0.12	0.71	0.04	0.68	100.91	8	64		25	35	95		2,m,*a	4jA	119
AR09404	128.00	131.00	3.00	50.03	14.17	9.16	5.07	2.96	0.32	15.84	1.11	0.14	0.42	0.01	0.75	99.98	26	56		70	80	55		2,a,m	2hv	114
AR09405	161.00	164.00	3.00	51.06	14.91	11.52	6.26	2.10	0.20	13.05	0.83	0.10	0.26	0.05	0.69	101.03	20	44		100	50	105		2,a,m	2hv	108
AR09406	200.00	203.00	3.00	49.26	15.34	11.21	7.68	1.81	0.24	12.73	0.77	0.10	0.23	0.05	1.38	100.80	18	40		75	60	155		2,a,m	2hu	116
AR09407	227.00	230.00	3.00	50.90	15.03	8.40	8.50	2.35	0.28	12.02	0.77	0.08	0.20	0.05	2.33	100.91	18	40		65	60	180		2,a,m	2hu	136

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AR09401	86.00	89.00	3.00						25		2500	130																	
AR09402	92.37	96.02	3.65						25		<100	180																	
AR09403	104.00	107.00	3.00						20		200	105																	
AR09404	128.00	131.00	3.00						45		100	375																	
AR09405	161.00	164.00	3.00						45		300	295																	
AR09406	200.00	203.00	3.00						45		300	270																	
AR09407	227.00	230.00	3.00						45		100	290																	

HOLE NUMBER: NEW15 02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 03/16/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: ~~8269~~ Main Belt
PROJECT NUMBER: 8269
CLAIM NUMBER: P12[illegible]
LOCATION: Newmarket Township

PLOTTING COORDS GRID: UTM
NORTH: 0.00N
EAST: 0.00E
ELEV: 280.00

ALTERNATE COORDS GRID: GRID
NORTH: 5+60N
EAST: 3+ 0E
ELEV: 280.00

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 200.00M
START DEPTH: 0.00M
FINAL DEPTH: 200.00M

COLLAR ASTRONOMIC AZIMUTH: 180° 0' 0"

GRID ASTRONOMIC AZIMUTH: 180° 0' 0"

DATE STARTED: 02/02/1996
DATE COMPLETED: 02/04/1996
DATE LOGGED: 02/04/1996

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

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

CONTRACTOR: NOREX DRILLING
CASING: BW
CORE STORAGE: MINESITE
UTM COORD.:

COMMENTS : Target: weak conductor, low mag. Intersected weakly graphitic and pyritic sediments
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
56.00	° ' "	-47° 0' 0"	A	OK	
120.00	° ' "	-48° 0' 0"	A	OK	
182.00	° ' "	0° ' "	A		

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

C. Petch

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 37.80	Casing «|ob|»			- BW casing to 39 metres.		- casing pulled.
37.80 TO 108.14	Grano-diorite «8,c,P,<GRD>,<He>»	- dark green with red and white. - coarse grained. - feldspar and hornblende porphyritic. - locally moderately foliated at 65°/ca as defined by alignment of biotite. - feldspars are 5-20%, 0.2-2 cm, sub- to euhedral, tabular, typically hematite altered on rims, and locally have epidote cores. - hornblendes are 5-20%, 0.1-1 cm, sub- to euhedral, and commonly retrograded to chlorite. - matrix is a medium grained quartz and felspar mixture with trace pyrite and magnetite. - trace, rhombohedral-shaped mineral is beige with a woody texture (titanite?) - weakly magnetic. - 99.31-99.87m - coarse grained mafic interval (xenolith?). - downhole contact is gradational into a feldspar-porphyritic unit with a fine grained groundmass.		- weak epidote and chlorite alteration. - core has pervasive reddish alteration (hematite or potassic). - rare, 1 mm, chlorite + carbonate-filled fractures/faults.	- trace disseminated pyrite.	
108.14 TO 132.54	Transition Zone «(8,b,P,<GRD>»	- dark green with white. - medium grained, feldspar porphyritic (in irregular patches). - overall feldspar size and abundance has decreased and is locally sandy textured. - minor (2%) wispy, dark green, fine grained, 1-3 cm bands at 65-90°/ca. - 123.72-128.92m - dark green, fine grained mafic dyke with wispy intrusive contact. - downhole contact is sharp at 85°/ca at first appearance of argillite.				
132.54 TO 147.12	Graphitic, Pyritic Sediment «5,g,PY,*g»	- dark brown and dark green with lighter grey bands. - fine grained. - thinly laminated at 65°/ca with minor folding. - patches of dark green mafic(?) sediment are locally boudined. - graphitic intervals are strongly conductive. - not magnetic.		- rare, 1 cm, dark grey quartz veins. - may be locally weakly silicified. - carbonate-filled fractures are more abundant near downhole contact.	- 3%, finely disseminated pyrite and pyrrhotite in smears along bedding parallel foliation planes. - trace sphalerite where pyrite occurs in clots, also weakly disseminated. - trace pyrite in <1mm cross-cutting	- 30 cm core lost at 137m in fractured and ground argillite.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		- 10-30 cm intervals of medium grained, weakly feldspar-phyric sediment (?) with up to 3% finely disseminated pyrite. - 136-141m - main graphitic interval is locally faulted over 20 cm widths with minor mm- to cm-sized rounded felsic clasts (1%) in a graphititc gouge. - 141-143.9m - siliceous sediment is medium grey, fine grained, weakly foliated, weakly to moderately pyritic, and poorly bedded and banded. - downhole contact sharp at 60°/ca.			fractures (<1%).	
147.12 TO 182.00	Mafic Tuff «2,*a»	- light to medium grey with green and white patches. - fine to medium grained, weakly crystalline. - weakly to moderately banded and foliated at 60-80°/ca. - locally cut by 20 cm, light grey and white, medium grained granodiorite. - 158.26-158.50m - fine grained, dark green mafic dyke. - minor carbonate-healed brittle faults near uphole contact. not magnetic, not conductive.		- 1% chlorite-filled fractures near uphole contact with minor graphite. - <1% carbonate-filled fractures cut across banding. - 1mm to 2 cm pale green bands are subparallel to banding, locally discordant, wispy and discontinuous and become more boudined at the base of the hole with apparent increasing strain. The patches may contain minor quartz and feldspar grains (1-3 mm, rounded).	- trace disseminated pyrite with lesser pyrrhotite.	

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Co ppm	Cu/Zn	Ni ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AR09678	131.51	132.54	1.03	189	1040	<2	0.4	14			261							2,*a	cut off
AR09679	132.54	134.00	1.46	369	2200	<2	0.7	38			269							tr-1% py+sph	
AR09680	134.00	135.26	1.26	359	2160	<2	0.7	33			285							5,g,*a	aa
AR09681	135.26	136.19	0.93	213	1300	14	0.4	36			412							tr sph	
AR09682	136.19	138.00	1.81	302	8620	24	0.6	2100			220							5,g	tr py+sph
AR09683	138.00	140.00	2.00	420	6420	3	0.5	2620			221							aa	
AR09684	140.00	140.96	0.96	325	5040	7	0.7	1810			230								
AR09685	140.96	142.36	1.40	76	885	<2	0.3	142			87							aa	
AR09686	142.36	143.69	1.33	78	237	<2	0.2	11			89							2,*a	tr py
AR09687	143.69	144.50	0.81	303	1050	<2	0.5	16			724							2,*a	tr py
AR09688	144.50	145.69	1.19	174	490	3	0.3	25			144							2,*a	tr py
AR09689	145.69	147.12	1.43	608	2490	<2	0.8	34			246							5,g	tr py+po
AR09690	147.12	148.09	0.97	215	349	<2	0.2	1			1280							2,*a	
AR09691	148.09	149.00	0.91	77	115	<2	0.1	1			1070							2,*a	chl
AR09692	149.00	150.20	1.20	80	118	<2	0.1	1			1010							2,*a	cut off

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AR09416	0.00	0.00	0.00	75.30	11.09	0.45	0.48	1.07	7.38	2.38	0.25	0.06	0.03	<0.00	0.79	99.28	120	294		5	135	10			4,9hz	125
AR09408	41.00	44.00	3.00	61.10	15.19	4.41	3.27	4.13	3.96	5.42	0.57	0.26	0.08	0.03	0.98	99.40	14	246		65	45	60		8	8j	122
AR09409	80.00	83.00	3.00	63.21	16.79	3.39	2.08	4.68	4.58	3.66	0.34	0.22	0.06	0.03	1.21	100.25	10	154		495	30	40		8	9i	133
AR09410	109.00	112.00	3.00	58.88	14.82	7.33	4.25	3.74	1.68	6.89	0.49	0.20	0.12	0.05	0.87	99.32	10	86		65	75	170		8?	9jA	116
AR09411	123.72	126.92	3.20	54.17	13.76	7.94	7.77	3.30	1.28	8.52	0.69	0.18	0.12	0.05	1.51	99.29	8	52		40	25	195		7,a	7(j)u	110
AR09412	128.00	131.00	3.00	60.92	14.47	6.46	3.70	3.35	1.08	7.68	0.51	0.08	0.15	0.15	1.94	100.49	12	68		90	230	180		2,*a	3(j)$	133
AR09413	140.96	143.50	2.54	67.51	15.54	2.29	1.76	5.86	1.06	2.67	0.29	0.16	0.03	0.04	2.24	99.45	6	92		30	100	40		5, sil	5$	169
AR09414	152.00	155.00	3.00	51.88	13.21	9.67	7.83	2.94	0.70	10.96	0.67	0.10	0.21	0.09	1.53	99.79	14	46		60	60	130		2,*a	2(h)u	99
AR09415	173.00	176.00	3.00	52.90	13.08	11.75	8.54	2.94	0.84	6.67	0.56	0.12	0.16	0.13	2.40	100.09	12	60		30	25	295		2,*a	2(j)u	84

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AR09416	0.00	0.00	0.00						<5		100	35																	
AR09408	41.00	44.00	3.00						15		<100	100																	
AR09409	80.00	83.00	3.00						10		100	60																	
AR09410	109.00	112.00	3.00						30		2300	135																	
AR09411	123.72	126.92	3.20						35		900	180																	
AR09412	128.00	131.00	3.00						40		9600	175																	
AR09413	140.96	143.50	2.54						10		11100	75																	
AR09414	152.00	155.00	3.00						45		200	255																	
AR09415	173.00	176.00	3.00						30		300	150																	

LEGEND

Geology

MAJOR ROCK DIVISIONS

15	TO BE ANNOUNCED
14	HURONIAN SUPERGROUP
13	METAMORPHIC (Unknown)
12	GNEISS
11	SCHIST
10	DIABASE
9	FELSIC INTRUSIVE ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS
7	MAFIC INTRUSIVE ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS
5	SEDIMENTARY ROCKS
5,s	SULPHIDE (>40%)
4	FELSIC VOLCANIC ROCKS
3	INTERMEDIATE VOLCANIC ROCKS
3,C	HETEROLITHIC VOLCANIC ROCKS
2	MAFIC VOLCANIC ROCKS
1	ULTRAMAFIC VOLCANIC ROCKS

TEXTURAL/GEOCHEMICAL MODIFIERS

a	Fine Grained
b	Medium Grained
bx	Breccia
c	Coarse Grained
d	Quartz-Feldspar Phyric
e	Amygdaloidal/Vesicular
f	Primary Fragmentals
g	Graphitic/Argillaceous
h	Tholeiitic
i	Alkalic
j	Calc-Alkalic
k	Komatiitic
l	Flows
m	Massive
n	Variolitic/Spherulitic
p	Pillowed
q	Quartz Phyric
r	Oxide Iron Formation
s	Sulphides, Exhalites
t	Pyroclastic
u	High Mg
v	High Fe
w	High Al
x	Andesite
y	Icelandite
z	Highly Evolved (Y>60)
A	Primitive (Y<20)
B	Evolved (Y>20<60)
C	Heterolithic
D	Feldspar Phyric
E	Chert
F	Wacke
G	Leucoxene Bearing
H	Basaltic Komatiite
I	
J	Pyroxenite
K	Net Textured
L	Peridotite
M	Dunite
N	Ophitic
P	Porphyritic
Q	
R	Polysutured
S	Fractured
T	Gabbroic Textured
U	Pyroxene Spinifex
V	Olivine Spinifex
W	Skeletal/Crescumulate
X	Adcumulate
Y	Mesocumulate
Z	Orthocumulate

TEXTURAL/STRUCTURAL MODIFIERS

•a	Tuff(67%<2mm)
•b	Lapilli(2-64mm)
•c	Lapillistone(76%<264mm)
•d	Block(>64mm)
•e	Autoclastic
•f	Thickly Laminated
•g	Thinly Laminated
•h	Clast Supported
•i	Matrix Supported
•j	Granule(grit 2-4mm)
•k	Pebble(4-64mm)
•l	Cobble(64-256mm)
•m	Boulder(>256mm)
•n	Graded Bedding
•o	Cross Bedding
•p	Fault Gouge
•q	Augen
•r	Porphyroblastic
•s	Hornfels
•t	foliated/sheared
•u	folded
•v	boudinage
•w	fragmental(felsic>mafic)
•x	fragmental(mafic>felsic)
•y	Crystal Tuff(>50% of frags)
•z	Lithic Tuff(>50% of frags)

MINERALOGICAL NAMES

Ak	Actinolite
Alb	Albite
Al	Almandine
Am	Amphibolite
Ah	Anhydrite
Ad	Andalusite
Ay	Anthophyllite
Ap	Apatite
Ar	Argentite
Asp	Arsenopyrite
Asb	Asbestos
Aug	Augite
Az	Azurite
Ba	Barite
Bi	Bismuthite
Bi	Biotite
Bo	Bornite
Ca	Calcite
Cn	Chalcedony
Cc	Chalcocite
Cp	Chalcopyrite
Chl	Chlorite
Ch>	Chloritoid
Cr	Chromite
Cpx	Clinopyroxene
Co	Cobalt Minerals
Cv	Covellite
Ct	Cordierite
Dp	Diopside
Dol	Dolomite
Epi	Epidote
Fel	Feldspar
Fl	Fluorite
Fc	Fuchsite
Gn	Galena
Gt	Garnet
VG	Gold
Gf	Graphite
GS	Gravel & Sand
Gyp	Gypsum
Hem	Hematite
Hb	Hornblende
Hy	Hypersthene
Il	Ilmenite
I-F	Iron Formation
Jr	Jarosite
Ky	Kyanite
Ls	Limestone
Lm	Limonite
Mag	Magnetite
Mc	Malachite
Ma	Marcasite
Mi	Mica
Mk	Microcline
Mi	Millerite
Mo	Molybdenite
Mu	Muscovite
Ne	Nepheline
Nc	Niccolite
Ni	Nickel Minerals
Ov	Olivine
Or	Orthoclase
Opx	Orthopyroxene
Pl	Phlogopite
Pg	Plagioclase
Pn	Pentlandite
Py	Pyrite
Px	Pyroxene
Po	Pyrrhotite
Qt	Quartz
Ro	Rhodochrosite
Ru	Rutile
Sur	Serpentine
Sc	Sericite
Sh	Scheelite
Sid	Siderite
Sil	Silica
Slm	Silliminite
Sps	Spessarite
Sph	Sphalerite
Ti	Sphene (Titanite)
Ag	Silver
Sp	Spinel
Spd	Spodumene
St	Staurolite
Sb	Stibnite
Sul	Sulphides
S-M	Mass. Sulphides
S-D	Diss. Sulphides
Tk	Talc
Te	Telluride
Tt	Tertrahedrite
Ta-Cl	Tantalite-Columbite
Tl	Tourmaline
Tr	Tremolite
Wo	Wollastonite
Zr	Zircon

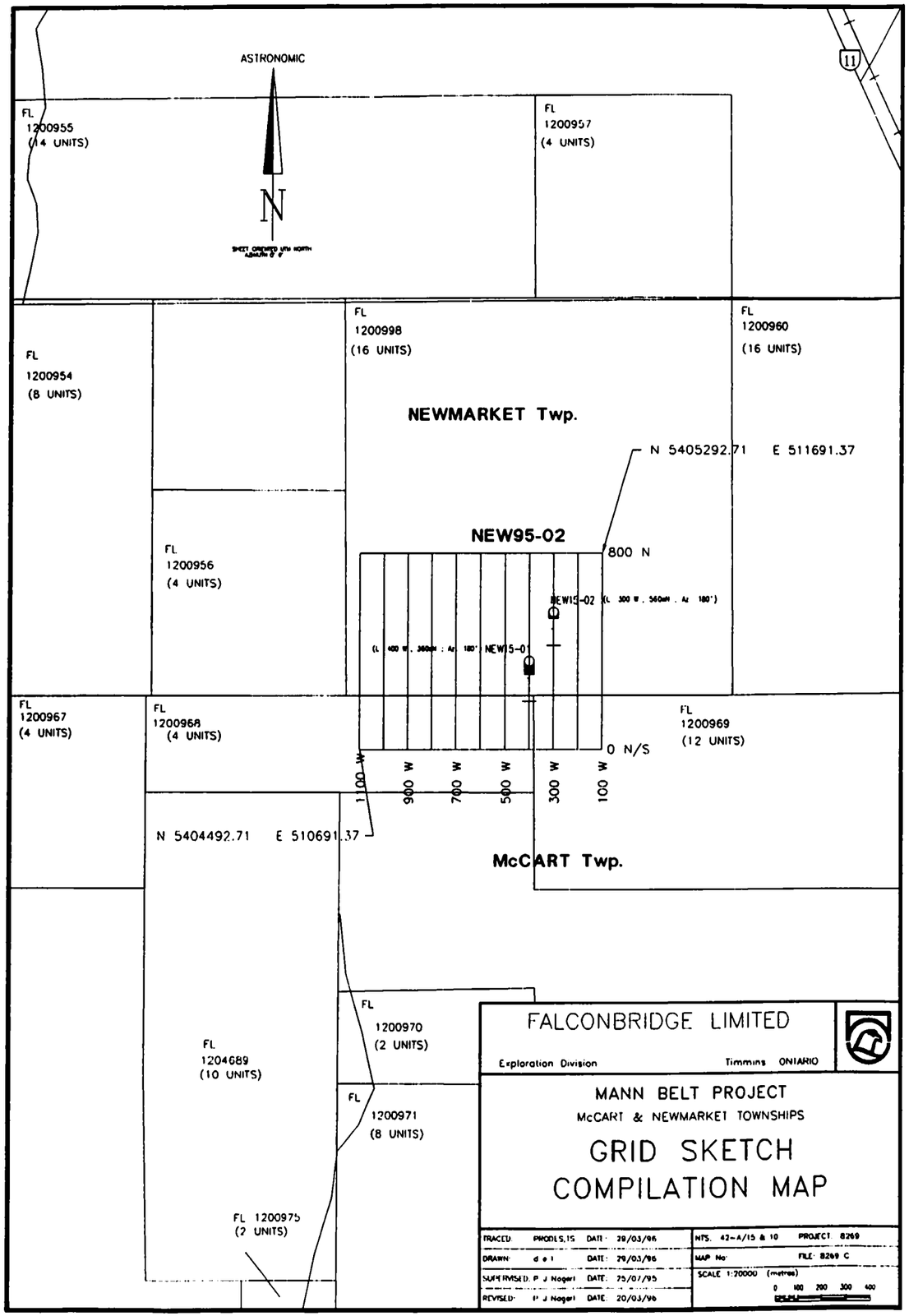
ALTERATION MODIFIERS

<Ab>	Albitization
<Bl>	Bleached
<C>>	Carbonaceous
<Cb>	Carbonatization
<Ch>	Chloritization
<Ep>	Epidotization
<FCb>	Iron Carbonatization
<He>	Hematization
<K>>	Potassic Alteration
<Rs>	Rust Stained
<Se>	Sericitization
<Si>	Silicification
<Sr>	Serpentinization
<Tc>	Talc-Carbonatized
<Tk>	Talc

ROCK TYPE

<QFP>	Quartzofeldspathic	<ANT>	Anorthosite	<OIF>	Oxide IF
<QTZ>	Quartzite	<DIO>	Diorite	<SIF>	Sulphide IF
<MAR>	Marble	<PER>	Peridotite	<CIF>	Carbonate IF
<SKA>	Skarn(Calc-Silicate)	<SER>	Serpentinite	<SHA>	Shale
<PHY>	Phyllite	<DUN>	Dunite	<LST>	Limestone
<TON>	Tonalite	<PRX>	Pyroxenite	<CHM>	Chem. Precip.
<SYN>	Syenite	<LMP>	Lamprophyre	<SLA>	Slate
<GRA>	Granite	<SST>	Sandstone	<KIM>	Kimberlite
<MON>	Monzonite	<ARK>	Arkosic sandstone	<CAR>	Carbonate
<GRD>	Granodorite	<WCK>	Graywacke	<AMP>	Amphibolite
<APL>	Aplite	<CGL>	Conglomerate	<MIG>	Migmatite
<FEL>	Felsite	<STL>	Siltstone	<PEG>	Pegmatite
<QDI>	Quartz Diorite	<ARG>	Mudstone-argillite	<LEU>	Leucocratic
<GAB>	Gabbro	<EXH>	Chert/exhalite	<MEL>	Melanocratic
<NOR>	Norite	<QIF>	Silicate IF		

<UNK>	Unknown Protolith
<UMF>	Ultramafic
<MAF>	Mafic
<AND>	Andesite
<DAC>	Dacite
<RYD>	Rhyodacite
<RHY>	Rhyolite
<SCL>	Sulphide Clasts
<RWV>	Reworked Volcanic Debris


ASTRONOMIC
N
SHEET ORIENTED WITH NORTH AZIMUTH 0° 0'
11
FL
1200955
(14 UNITS)
FL
1200957
(4 UNITS)
FL
1200954
(8 UNITS)
FL
1200956
(4 UNITS)
FL
1200998
(16 UNITS)
FL
1200960
(16 UNITS)
NEWMARKET Twp.
N 5405292.71 E 511691.37
NEW95-02
800 N
NEW95-02 (L 300 W, 560mN, Az 180°)
(L 400 W, 360mN : Az 180°) NEW95-01
0 N/S
1100 W
900 W
700 W
500 W
300 W
100 W
FL
1200967
(4 UNITS)
FL
1200968
(4 UNITS)
FL
1200969
(12 UNITS)
N 5404492.71 E 510691.37
McCART Twp.
FL
1200970
(2 UNITS)
FL
1204689
(10 UNITS)
FL
1200971
(8 UNITS)
FL 1200975
(2 UNITS)
FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
MANN BELT PROJECT
McCART & NEWMARKET TOWNSHIPS
GRID SKETCH
COMPILATION MAP
TRACED: PHOELS,IS DATE: 28/03/96
DRAWN: d e l DATE: 29/03/96
SUPERVISED: P J Nagel DATE: 29/07/95
REVISED: P J Nagel DATE: 20/03/96
NTS: 42-A/15 & 10 PROJECT: 8269
MAP No: FILE: 8269 C
SCALE 1:20000 (metres)
0 100 200 300 400

1200998
16 Units

1100 WEST
1000 WEST
900 WEST
800 WEST
700 WEST
600 WEST
500 WEST
400 WEST
300 WEST
200 WEST
100 WEST

800 NORTH
600 NORTH
400 NORTH
200 NORTH
0

NEW15-02 (L 300 W , 560mN : Az. 180° , -45°)
8, c, P, <GRD>, <He>
8, b, P, <GRD>
5, g, PY, +g
2, +a
200.00m.

NEW15-01 (L 400 W , 360mN , Az. 180° , -45°)
3, +a, D
2, a, m, +a
230.00m.

NEWMARKET Twp.
CON I

McCART Twp.
CON VI

1200968
4 Units

1200969
12 Units

LOT 5
LOT 4
LOT 3

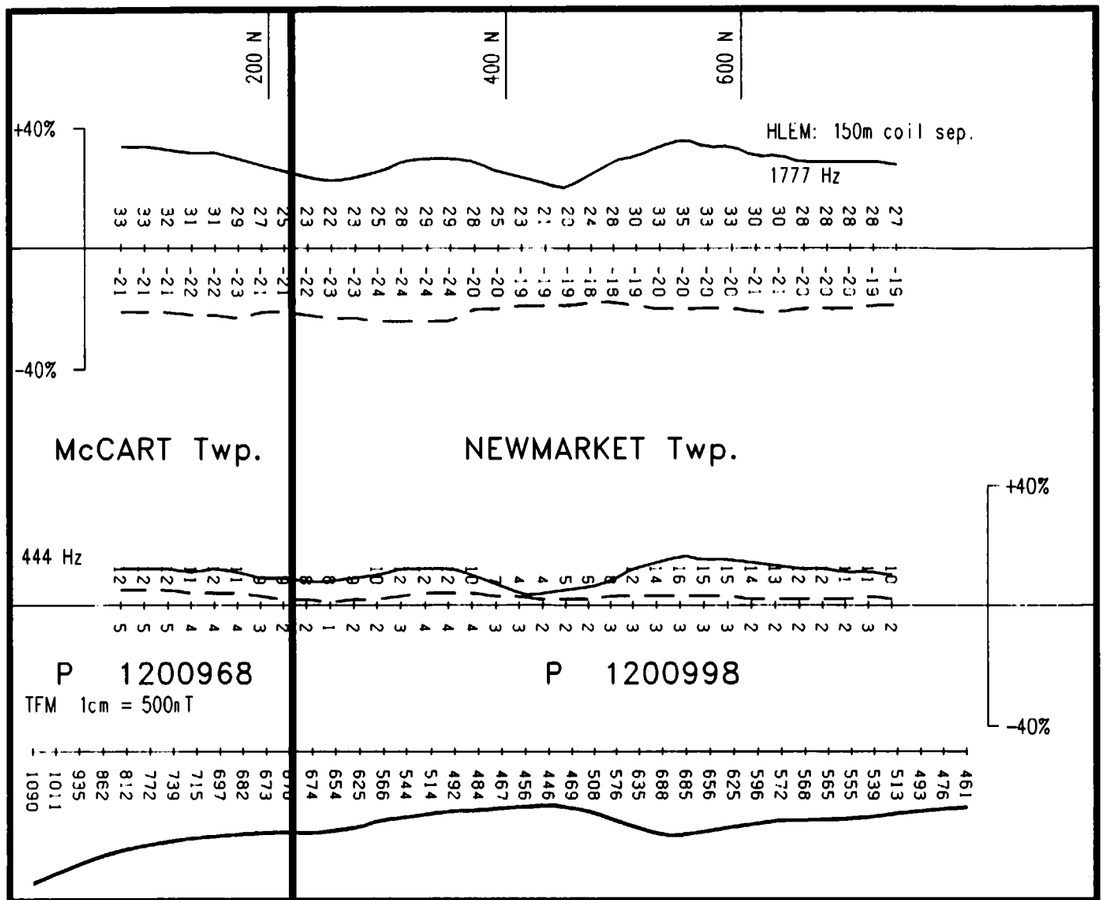
ASTRONOMIC
N
SHEET ORIENTED UTM NORTH
AZIMUTH 000° 11'

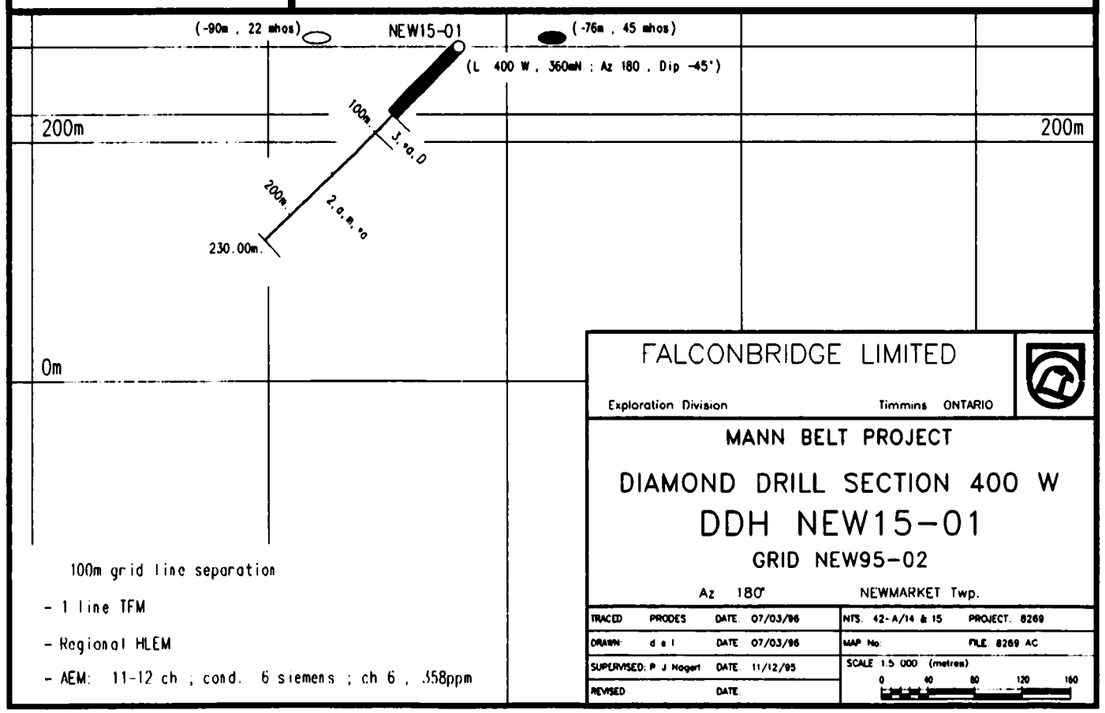
FALCONBRIDGE LIMITED
Exploration Division — Timmins ONTARIO

MANN BELT PROJECT
GRID NEW95-02
NEWMARKET TOWNSHIP

DIAMOND DRILL PLAN

TRACED:	EXSICS	DATE: 09/95	NTS 42-A/15	PROJECT: 8209	
DRAWN:	P Gauthier	DATE: 09/95	MAP No:	FILE: NEW9502-	
SUPERVISED:	P J Nagorl	DATE: 13/10/95	SCALE 1:5 000 (metres)		
REVISED	d e l	DATE: 07/03/96	0 40 80 120 160		





100m grid line separation

- 1 line TFM
- Regional HLEM
- AEM: 11-12 ch , cond. 6 siemens ; ch 6 , 358ppm

FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

MANN BELT PROJECT

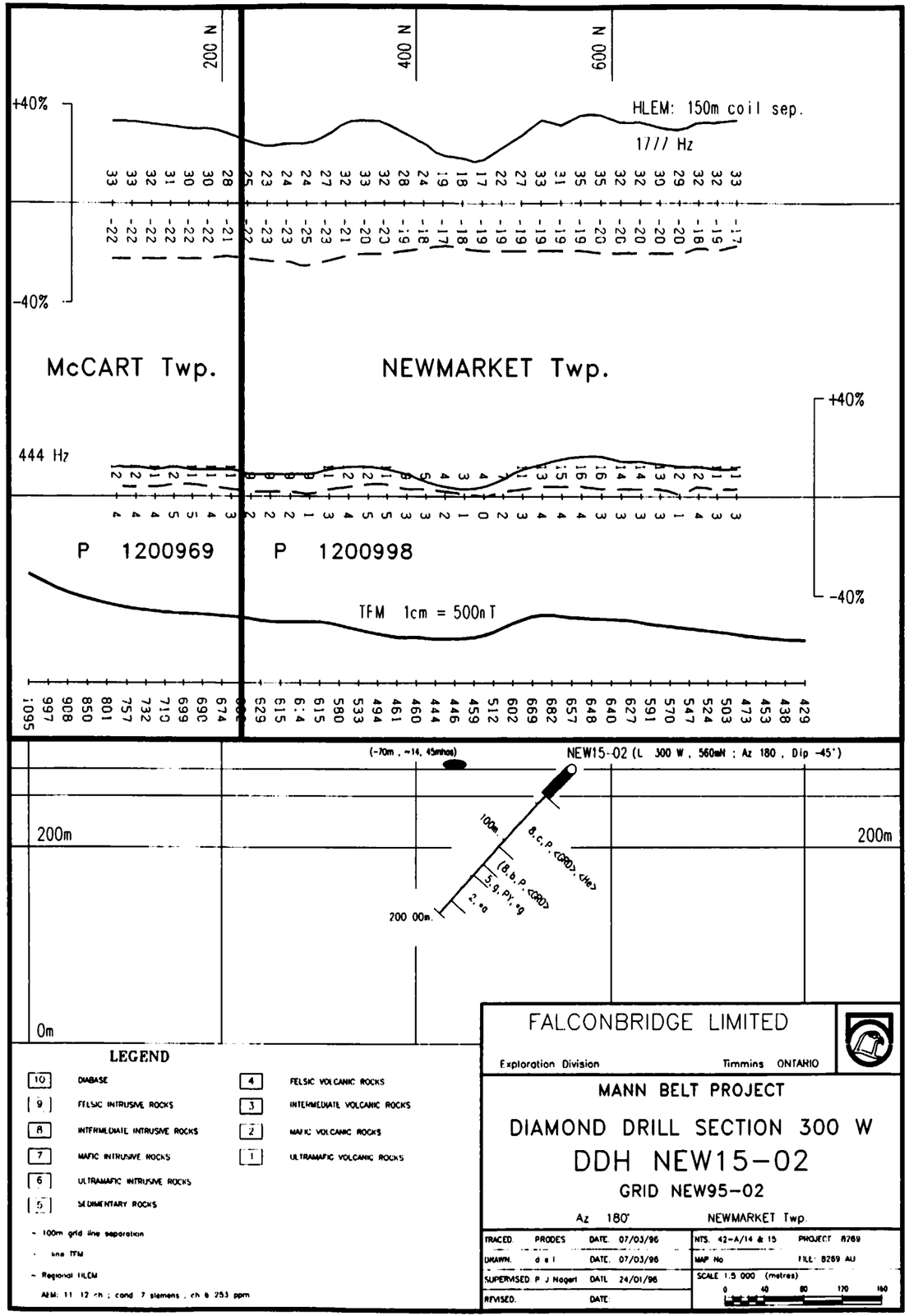
DIAMOND DRILL SECTION 400 W

DDH NEW15-01

GRID NEW95-02

Az 180° NEWMARKET Twp.

TRACED	PRODES	DATE	07/03/96	NTS: 42-A/14 & 15	PROJECT: 8269
DRAWN:	d e l	DATE	07/03/96	MAP No:	FILE: 8269 AC
SUPERVISED:	P J Hoggart	DATE	11/12/95	SCALE 1:5 000 (metres)	
REVISED		DATE		0 40 80 120 160	



LEGEND

10	DIABASE	4	FELSIC VOLCANIC ROCKS
9	FELSIC INTRUSIVE ROCKS	3	INTERMEDIATE VOLCANIC ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS	2	MAFIC VOLCANIC ROCKS
7	MAFIC INTRUSIVE ROCKS	1	ULTRAMAFIC VOLCANIC ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS		
5	SEDIMENTARY ROCKS		

- 100m grid line separation
- Line ITEM
- Regional HLEM

ABEM: 11 12 ch ; cond 7 siemens , ch 6 253 ppm

FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

MANN BELT PROJECT

DIAMOND DRILL SECTION 300 W

DDH NEW15-02

GRID NEW95-02

Az 180° — NEWMARKET Twp.

TRACED. PRODES	DATE. 07/03/96	NTS. 42-A/14 & 15	PROJECT 8269
DRAWN. d e l	DATE. 07/03/96	MAP No	FILE: B269 AU
SUPERVISED P J Nagert	DATE. 24/01/96	SCALE 1:5 000 (metres)	
REVISED.	DATE.	0 40 80 120 160	

Norex Drilling Limited
P.O. Box 88 - Porcupine, Ontario P0N 1C0

Telephone (705) 235-2222
Fax (705) 235-2806

February 19, 1996

Invoice #F96220

FALCONBRIDGE LIMITED
P.O. BOX 1140
TIMMINS, ONTARIO
P4N 7H9

EAST ONTARIO
DRILLING PERIOD - FEBRUARY 1-15/96

HOLE #NEW-15-01	
170 to 206 = 36 x $45.75	1,647.00
4 Acid Tests x $50.00	200.00
Left In Hole:	
80.44m BW Casing x $40.00	3,217.60
1 BW Shoe x $154.00	154.00
Pull NW Casing Out: 1 hr x $75.00	75.00
HOLE #NEW-15-02, Casing 39m	
15 x $44.00	660.00
15 x $52.00	780.00
09 x $61.00	549.00
39 to 150 = 111 x $44.00	4,884.00
150 to 182 = 32 x $45.75	1,464.00
2 Test x $50.00	100.00
Pull All Casing Out: 2 hr x $75.00	150.00
HOLE #MCC-63-01, Casing 37.4m	
15 x $44.00	660.00
15 x $52.00	780.00
7.4 x $61.00	451.40
37.4 to 101 = 63.6 x $44.00	2,798.40
2 Tests x $50.00	100.00
Pull All Casing Out: 1 hr x $75.00	75.00
HOLE #MAN-52-02, Casing 33m	
15 x $44.00	660.00
15 x $52.00	780.00
03 x $61.00	183.00
33 to 150 = 117 x $44.00	5,148.00
150 to 179 = 29 x $45.75	1,326.75
3 Tests x $50.00	150.00
Lost In Hole:	
31.82m NW Casing x $47.00	1,495.54
1 NW Shoe x $204.00	204.00
36m BW Casing x $40.00	1,440.00
1 BW Shoe x $154.00	154.00

==continued on page 2==

pd

Norex Drilling Limited
P.O. Box 88 - Porcupine, Ontario P0N 1C0

Telephone (705) 235-2222
Fax (705) 235-2806

February 19, 1996

Invoice #F96220

FALCONBRIDGE LIMITED
P.O. BOX 1140
TIMMINS, ONTARIO
P4N 7H9

EAST ONTARIO
DRILLING PERIOD - FEBRUARY 1-15/96

HOLE #MAN-54-01, Casing 48m	
15 x $44.00	660.00
15 x $52.00	780.00
13 x $61.00	793.00
48 to 150 = 102 x $44.00	4,488.00
150 to 170 = 20 x $45.75	915.00
3 Tests x $50.00	150.00
Pull All Casing Out: 1 hr x $75.00	75.00
HOLE #MAN-? , Casing 30m	
15 x $44.00	660.00
15 x $52.00	780.00
30 to 47 = 17 x $44.00	748.00
94 BQ Core Trays x $5.25	493.50
Sub total:	40,829.19
GST #R103904504	2,858.04
INVOICE TOTAL:	**$43,687.23**

THANK YOU

Norex Drilling Limited
P.O. Box 88 - Porcupine, Ontario P0N 1C0

Telephone (705) 235-2222
Fax (705) 235-2806

February 5, 1996 Invoice #F96203

FALCONBRIDGE LIMITED
P.O. BOX 1140
TIMMINS, ONTARIO
P4N 7H9

EAST ONTARIO

DRILLING PERIOD - JANUARY 16-31/96

Building Winter Road	
Access to various sites:	8,600.00
Move drill to first site:	1,000.00
HOLE #NEW-15-01, Casing 78m	
15 x $44.00	660.00
15 x $52.00	780.00
15 x $61.00	915.00
15 x $70.00	1,050.00
15 x $80.00	1,200.00
03 x $90.00	270.00
78 to 150 = 72 x $44.00	3,168.00
150 to 170 = 20 x $45.75	915.00
Reaming Casing to 80.6	
1 hr x $75.00	75.00
16 BQ Core Trays x $5.25	84.00
Sub total:	18,717.00
GST #R103904504	1,310.19
INVOICE TOTAL:	**$ 20,027.19**

THANK YOU

signed
- sent to Lise
Feb 11/96

DUPLICATE

OASIS PARK MOTEL

Hwy. 11,
Tunis, Ont.
P.O. Box 640,
Iroquois Falls, Ont.
P0K 1G0

Feb. 16, 1996.

Falconbridge Exploration Ltd.,
P.O. Box 1140,
Timmins, Ont. P4N 7H9

re - Rental - 2 Motel Rooms,
Month of February/96,
& Lobby Facilities

2 @ $800.00.....$1600.00

Thank You!

OASIS PARK MOTEL
Phil Tessier, Owner

C. Petit
PN# 8369
Feb. 20, 1996

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Transaction Number: W9660 00321

Mining Act

DDHs NEW15-01, NEW15-02
Grid NEW96-02

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining L... Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

42A15SW0058 W9660-00321 NEWMARKET

...ing

900

Instructions:
- Please type or print and submit in dupl
- Refer to the Mining Act and Regulation 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)		Client No.
FALCONBRIDGE LIMITED		130679
Address		Telephone No.
571 Moneta Ave. P.O. Box 1140 Timmins, Ont. P4N 7H9		(705) 267-1188
Mining Division: Porcupine	Township/Area: NEWMARKET, McCART	M or G Plan No.
Dates Work Performed — From: JANUARY 29, 1996	To: FEBRUARY 4, 1996	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	Diamond drill hole(s) NEW15-01 (230m), NEW 15-02 (182m)
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECORDED
APR 25 1996
Receipt

Total Assessment Work Claimed on the Attached Statement of Costs $ 40761

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
Norex Drilling Ltd.	HWY 101 East Porcupine Ont. (705) 235-2222

(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	Recorded Holder or Agent (Signature)
	April 12/96	C. Petch

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: CHRISTINE PETCH 571 Moneta Ave. P.O. Box 1140 Timmins Ont. P4N 7H9

Telepone No.	Date	Certified By (Signature)
(705) 267-1188	April 12/96	C. Petch

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
40,761	Deemed Approval Date: JULY 24/96	Date Approved: July 24/96	(c) APR 25 1996 TB 11:00 SUDBURY MINING DIVISION
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P1200998	16	36737	6066	24 920	5751
	P 1200968	4	4024	1531	2493	
	P1200960	16		6353		
	1200956	4		3200		
	1200954	8		1881		
	1200967	4		1600		
	1200970	2		800		
	1200971	8		3200		
	1200974	2		800		
	1200975	2		800		
	1200972	4		1600		
	1200973	4		1600		
	1200969	12		4142		
	1201366	4		1437		
	14		40761	35010	27413	5751
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☒ Credits are to be cut back as priorized on the attached appendix. P 1200 998 (reserve)

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Ontario

Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9660.00321

DDHs NEW15-01, NEW15-02
Grid NEW95-02

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, 4e 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	1500	
	Field Supervision Supervision sur le terrain	900	2400
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Drilling		Invoice#
			F96220
	NEW15-01	24655	F96203
	NEW15-02	11836	36491
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type Truck	300	
	Snowmobile	150	
			450
		Total Direct Costs Total des coûts directs	39341

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	Oasis Motel	200	
	Oasis Rest.	50	250
Mobilization and Demobilization Mobilisation et démobilisation		1070	1070
		Sub Total of Indirect Costs Total partiel des coûts indirects	1420
		Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)	39341
		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)	40761

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

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. 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
	× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. 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		Évaluation totale demandée
	× 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 C. PETCH (Recorded Holder, Agent, Position in Company) I am authorized to make this certification

Attestation de l'état des coûts

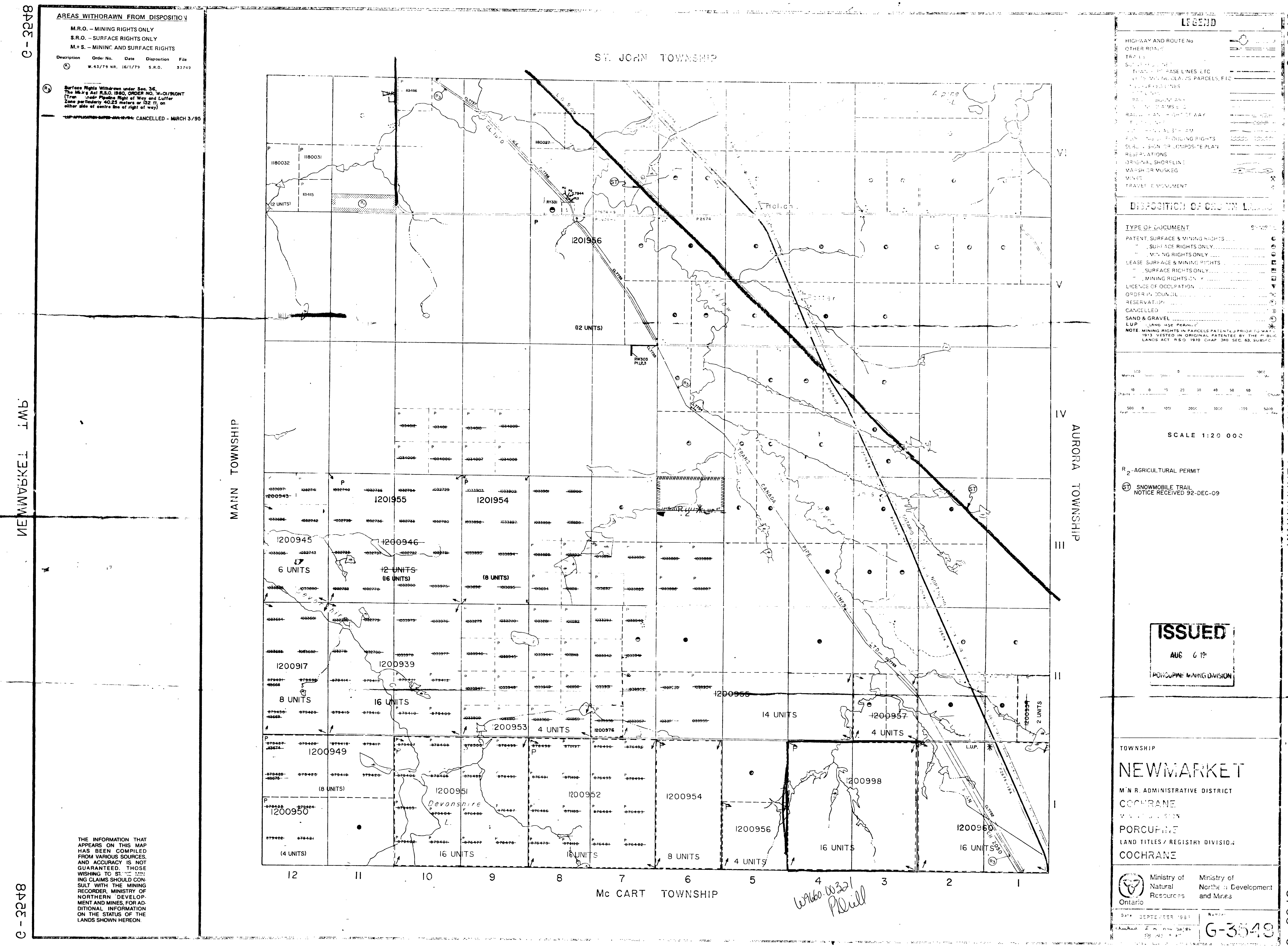
J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de ______ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé à faire cette attestation.

Signature	Date
C. Petch	April 12/96

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.


G-3248
AREAS WITHDRAWN FROM DISPOSITION
M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.+ S. - MINING AND SURFACE RIGHTS
CANCELLED - MARCH 3/95
ST. JOHN TOWNSHIP
MANN TOWNSHIP
AURORA TOWNSHIP
Mc CART TOWNSHIP
NEWMARKET TWP.
1201956
1201955
1201954
1200945
1200946
1200917
1200939
1200949
1200950
1200951
1200952
1200953
1200954
1200955
1200956
1200957
1200998
1200960
(12 UNITS)
6 UNITS
12 UNITS
(16 UNITS)
(8 UNITS)
8 UNITS
16 UNITS
14 UNITS
4 UNITS
(4 UNITS)
2 UNITS
Devonshire L.
TRANS CANADA PIPE LINES LTD.
12
11
10
9
8
7
6
5
4
3
2
1
VI
V
IV
III
II
I
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.
LEGEND
DISPOSITION OF CROWN LANDS
TYPE OF DOCUMENT
SCALE 1:20 000
R_2-AGRICULTURAL PERMIT
SNOWMOBILE TRAIL NOTICE RECEIVED 92-DEC-09
ISSUED
PORCUPINE MINING DIVISION
TOWNSHIP
NEWMARKET
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE
Ministry of Natural Resources
Ministry of Northern Development and Mines
Ontario
G-3248
W9660.00321

REFERENCES

NOTE

LOT AND CONCESSION LINES SHOWN HEREON ARE PROJECTED FROM THE BEST INFORMATION AVAILABLE, BUT THEIR TRUE POSITION IS NOT GUARANTEED.

FOR LEGAL AND SURVEY PURPOSES CONSULT THE ORIGINAL SURVEY PLANS AND FIELD NOTES OF RECORD IN THE DEPARTMENT OF LANDS AND FORESTS, TORONTO.

ACREAGES SHOWN IN RESPECT OF PATENTED LOTS ARE IN ACCORDANCE WITH AREA GRANTED.

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

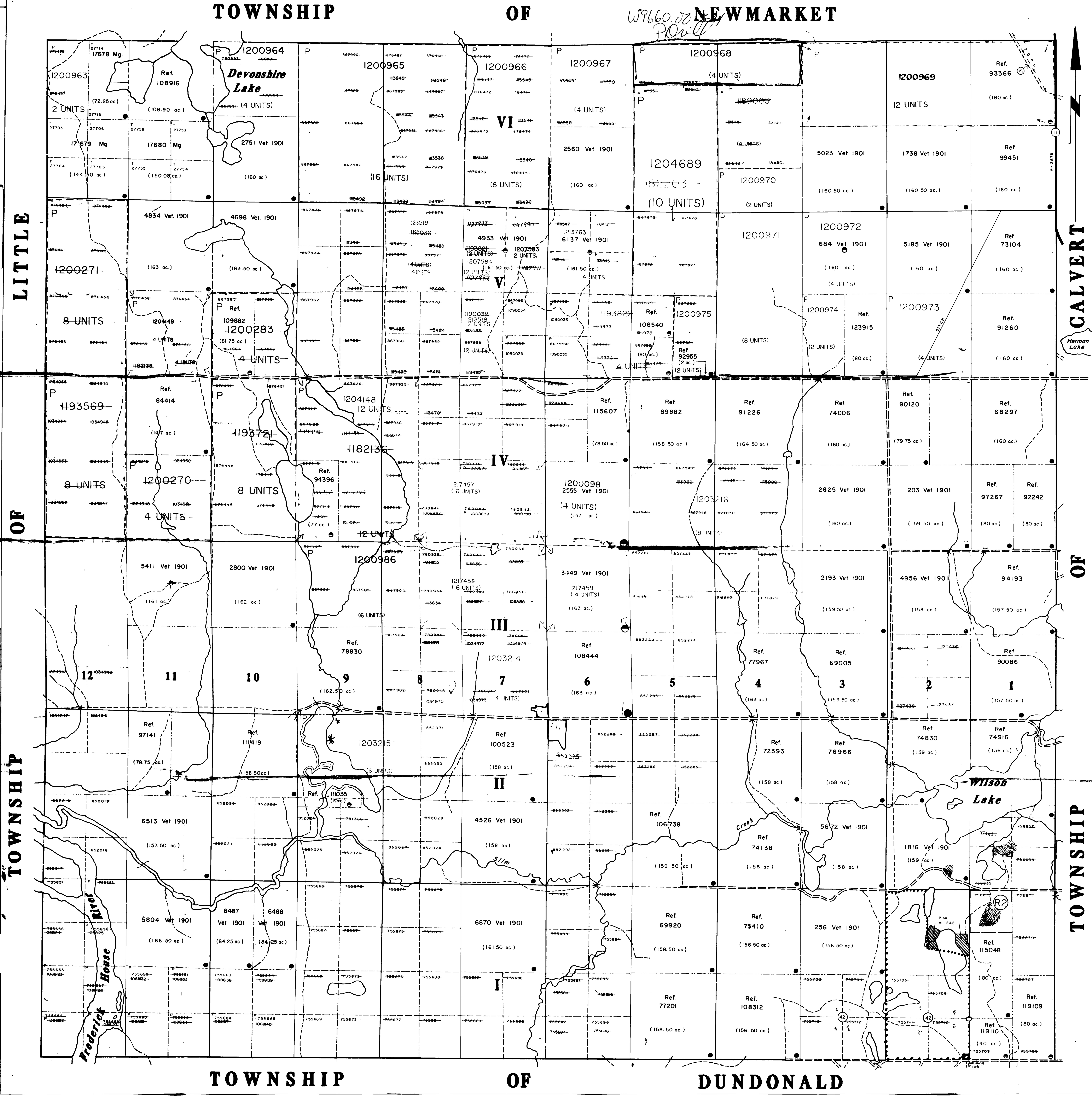
Description	Order No.	Date	Disposition	File
		14/12/70	S.R.&M.R.	38866
REOPENED	M.R.O. 71/84			

(R1) Surface Rights Withdrawn under Sec. 36, The Mining Act R.S.O. 1980, ORDER No. W-01/91/ONT (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.25 meters or 132 ft. on either side of centre line of right of way)

(R2) AGGREGATE PERMIT

42A15SW0058 W9660-00321 NEWMARKET 210

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



REFERENCES

TOPOGRAPHY

LAKES, RIVERS, ETC., FROM FOREST RESOURCES INVENTORY SHEETS Nº 486804 AND 487804

SURVEYS

TOWNSHIP OF McCART SUBDIVIDED BY A.D. GRIFFIN, O.L.S., 1904. FIELD NOTE BOOK 1533.

WEST LIMIT OF McCART TOWNSHIP (SEE LITTLE TWP) SURVEY BY J.W. FITZGERALD, O.L.S., 1904. FIELD NOTE BOOK 1402.

EAST LIMIT OF McCART TOWNSHIP (SEE CALVERT TWP) SURVEY BY ALEXANDER BAIRD, O.L.S., 1904. FIELD NOTE BOOK 1009.

THIRD MERIDIAN (EAST LIMIT OF McCART TWP) BY WILLIAM GALBRAITH, O.L.S., 1904. FIELD NOTE BOOK 2363.

BASE LINE (SOUTH LIMIT OF McCART TWP) BY T.J. PATTEN, O.L.S., 1903. FIELD NOTE BOOK 2460.

ISSUED
AUG 6 19
PORCUPINE MINING DIVISION

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	⊚
L.U.P.	✱

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, S-SEC. 1

SCALE: 1 INCH = 20 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP
McCART

M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE

MINING DIVISION
PORCUPINE

LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources
Ministry of Northern Development and Mines
Ontario

Date	Number
JULY 1986	G-3541