



42A15SW2013 2.20973 MANN

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**Report on Diamond Drilling
Falconbridge Limited - Exploration**

Mann Township, Iroquois Falls, Ont.
Porcupine Mining Division

NTS 42A/15

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Diamond Drilling Assessment Report Mann Twp, Porcupine Mining Division

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1. MAIN ROCK DIVISIONS

- 15 To be Announced
- 14 Huronian Supergroup
- 13 Metamorphic (Unknown)
- 12 Gneiss
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- 6 Ultramafic Intr. Rocks
- 5 Sedimentary Rocks
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- 4 Felsic Volcanic Rocks
- 3 Intermediate Volcanic Rocks
- 3,C Heterolithic Volcanic Rocks
- 2 Mafic Volcanic rocks
- 1 Ultramafic Volcanic Rocks

2. TEXTURAL/GEOCHEMICAL MODIFIERS

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

ROCK NAMES MUST HAVE ALL MODIFIERS COMMA DELIMITED AND CAN BE NO LONGER THAN 15 CHARACTERS, COMMAS INCLUDED. Example: 3,*y,d,<DAC>,*t

3. ALTERATION MODIFIERS

- Ab Albitization
- Bl Bleached
- C> Carbonaceous
- Cb Carbonatization
- Ch Chloritization
- Ep Epidotization
- F> Iron Carbonatization
- He Hematization
- K> Potassic Alteration
- Ka Kaolinitization
- Rs Rust Stained
- Se Sericitization
- Sl Silicification
- Sr Serpentinization
- Tc Talc-Carbonatization
- Tk Talc

4. Textural./Structural MODIFIERS

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

ALTERATION CODES

- | | |
|----------|--------------------------|
| FORM | |
| S | Spots |
| F | Fracture/vein controlled |
| P | Pervasive |
| STRENGTH | |
| S | Strong |
| M | Moderate |
| W | Weak |

Example: EpPW = Epidote,Pervasive,Weak

MINERALIZATION CODES

- | | |
|------|--------------------------|
| FORM | |
| D | Disseminated/Blebs |
| F | Fracture/vein controlled |
| M | Massive |
| B | Bedded |
| C | Clasts/Fragments |

PERCENTAGE

Numeric percentage, or percentage range (i.e. 1-3%), must always be specified

Example: CpB3% = Chalcopyrite, Bedded, 3%

5. MINERALOGICAL NAMES

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

6. ROCK TYPE / PROTOLITH

<QFG>	Quartzofeldspathic	<PER>	Peridotite	<CHM>	Chem. Precip.
<QTZ>	Quartzite	<SER>	Serpentinite	<SLA>	Slate
<MAR>	Marble	<DUN>	Dunite	<KIM>	Kimberlite
<SKA>	Skarn(Calc-Silicate)	<PRX>	Pyroxenite	<CAR>	Carbonatite
<PHY>	Phyllite	<LMP>	Lamprophyre	<AMP>	Amphibolite
<TON>	Tonalite	<SST>	Sandstone	<MIG>	Migmatite
<SYN>	Syenite	<ARK>	Arkosic sandstone	<PEG>	Pegmatite
<GRA>	Granite	<WCK>	Graywacke	<LEU>	Leucocratic
<MON>	Monzonite	<CGL>	Conglomerate	<MEL>	Melanocratic
<GRD>	Granodiorite	<SLT>	Siltstone	<UNK>	Unknown Protolith
<APL>	Aplite	<ARG>	Mudstone-argillite	<UMF>	Ultramafic
<FEL>	Felsite	<EXH>	Chert/exhalite	<MAF>	Mafic
<QDI>	Quartz Diorite	<QIF>	Silicate IF	<AND>	Andesite
<GAB>	Gabbro	<OIF>	Oxide IF	<DAC>	Dacite
<NOR>	Norite	<SIF>	Sulphide IF	<RYD>	Rhyodacite
<ANT>	Anorthosite	<CIF>	Carbonate IF	<RHY>	Rhyolite
<DIO>	Diorite	<SHA>	Shale	<SCL>	Sulphide Clasts
		<LST>	Limestone	<RWV>	Reworked Volcanic Debris

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 18.40	< ob > Casing					
18.40 TO 20.40	<4,br> Felsic Volcanic, Breccia	-mod. to dark gray, mod. fol'n at 45 deg. TCA -chaotic unit intermixed with short, diffuse zones of mealy textured/spotted mafic intrusive material -rhyolite is fine-grained to aphanitic with brecciated texture defined by anastomosing chloritic fractures -no visible qtz phenocrysts, occasional feldspar clots -matrix of unit is grainy textured and strongly sericitic -possibly some mafic? component to breccia		-mod. to strong fracture-controlled chlorite -mod. to strong pervasive sericite within grainy textured matrix of unit	-nil	
20.40 TO 21.70	<5,HWV> Reworked Volcanic Debris	-sharp uphole contact with bleached, angular fragments of uphole rhyolite? -sedimentary deposit defined only by the presence of small (<2cm) angular rhyolite clasts -matrix of unit has a peculiar salt & pepper spotted textured, possibly porphyroblastic/ metamorphic in origin -similar textures seen in sedimentary horizon below at 33.8m -rhyolite clasts within unit are shardy to angular in form, possibly hyaloclastitic		-weakly silicified	-nil	
21.70 TO 22.30	<7,br> Mafic Intrusive, medium grained	-sharp but weakly sheared uphole contact at 60deg. TCA -pale gray to buff -unit is composed of 30-50% subrounded, altered (chloritized) grains (pyroxenes?) set in a pale buff to brown, fine-grained matrix (plagioclase) -non-magnetic -massive, relatively featureless otherwise		-weakly sericitic groundmass	-nil	
22.30 TO 23.80	<4,br> Felsic Volcanic, Breccia	-broken uphole contact -pale greenish gray, mod. fol'n at low CA angles (30-40deg) -identical to rhyolite breccia above with angular		-mod. to strong pervasive sericite -weak to mod. fracture controlled chlorite	-nil	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		rhyolite clasts set in a grainy sericitic matrix -shardy, angular, possibly hyaloclastic fragments up to 2cm in diameter -upper 40cm of unit has an apparent 'banding' at low CA angles <20deg., possibly banding in tuffaceous portion of unit				
23.80 TO	<7,b> Mafic	-broken/missing uphole contact (box dropped)		-nil	-nil	
25.50	Intrusive, medium grained	-similar spotted textured mafic unit to that between 21.7-22.3m				
25.50 TO	<4,a,m> Felsic	-broken/missing uphole contact (box dropped)		-mod. to strong pervasive silicification	-nil	
27.50	Volcanic, aphanitic, massive,	-pale to med. green, extremely massive, no visible foliation -fine-grained, siliceous unit -somewhat intermediate/mafic looking but strongly siliceous -fine-grained and massive, no internal textures/structures -possibly intrusive?		-minor carb veinlets		
27.50 TO	<7,b> Mafic	-uphole contact sharp at very low CA angle (0-20 deg., running over approx. 40cm along the core		-siliceous alteration rims surrounding chloritized 'spots'/grains	-nil	
33.80	Intrusive, medium grained	-strongly broken/blocky core with low angle joints (~30deg TCA) -greenish gray to buff -spotted textured mafic unit as seen uphole but with slightly more variable spotting in both abundance (20-80%) and in size (<<1mm to 2mm diameter) -some zones show distinct buff coloured alteration/reaction rims surrounding chloritic spots/clots -non-magnetic		-varioles?		
33.80 TO	<5,RNV,bx> Reworked	-sharp, irregular uphole contact at 80deg. TCA		-localized some of silicification (bleached appearance)	-negligable overall	
42.80	Volcanic Debris, Breccia	-dark gray to black, negligible fol'n visible -similar to unit between 20.4-21.7m -angular to anhedral rhyolite clasts set in a massive, salt & pepper textured matrix -distinct hyaloclastitic textures locally			-short zone of Py over lowermost 40cm of unit with 3-5% clotty to cubic Py grains up to 1cm in diameter	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
42.80 TO 102.30	e4, tuf, gphs Felsic Volcanic, Tuff, graphitic	<p>-no visible bedding or sorting visible within clast population which varies from <10% to >40% -fragments vary from <1cm in diameter to > 5cm</p> <p>-largely gradational uphole contact with sediment/breccia above -dark gray to black, negligible fol'n evident -jointing at 45 & 60deg. TCA -fine-grained tuffaceous unit with <5% rhyolite lapilli and argillite rip-up clasts -massive textured, bedding textures are rare and very faint and irregular when present -very siliceous with conchoidal fracturing locally -graphitic/carbonaceous zones are erratic throughout and vary considerably in degree of conductivity -rhyolite lapilli are small, generally <1-2mm and are clotty to angular in shape -strongly conductive argillite rip-up clasts are also small (<2mm) and are losenge to elliptical in shape -some rhyolite clasts up to 10cm in diameter locally</p> <p>-very faint 'spotted/porphyroblastic' texture similar to that in sediments cored in DDE MAN24-17 (i.e. h/t 50-53m)</p> <p>-fragment content increasing slightly downhole with accompanying increase in coarser-grained, arenitic? interbeds within tuffaceous unit -interbeds are generally very irregular/convoluted and discontinuous -small scale fold closures visible throughout -well bedded interval between 93-95m suggests downhole tops based on flame-structures and graded bedding -bedding at 45 deg. CA</p> <p>-carbonaceous, conductive material increasing downhole but is still very sporadic and localised</p> <p>§90.7-90.8§-FAI§> -pasty graphitic gouge with associated calcite/Py</p>		<p>-strongly siliceous/silicified -minor hairline qtz/carb veins</p> <p>-localized zones of weak pervasive carbonatization</p> <p>-extremely siliceous/vitric below 50m</p> <p>-rusty orange coloured hairline siderite veinlets at 72.7m, continuing sporadically for remainder of unit</p>	<p>-nil</p> <p>-short interval of 3-5% Py+/-Po between 71.4-71.6m consisting of clotty to disseminated sulphides occurring primarily uphole of thin (1cm) Py band within non-conductive argillaceous material -tr. Cpy exsolved within some Po blabs</p> <p>-similar Py/Po rich zone as above between 76.4-76.6m but with 10-15% sulphides and up to 1% Cpy exsolutions/fractures -Py is colloform to irregular clots in form and concentrated above a thin argillaceous seam</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
102.30 TO 116.50	<4,b> Felsic Volcanic, breccia	fractures -gradational uphole contact over approx. 1m before rhyolite is easily distinguishable, possibly obscured by intrusive material? -dark grayish green, weakly to non fol'd -mod. to strongly altered unit with mottled to distinctly brecciated textures locally -most textures defined by mod. to strong chlorite and/or qtz/carb veining -no visible qtz phenocrysts but massive rhyolite 'clasts' within unit are siliceous/vitric in appearance -rare feldspar clots/phenocrysts (<<1%) -unit becomes progressively more chaotic downhole with large component of irregular mafic? material		-mod. to strong fracture controlled chlorite with mod. pervasive chlorite throughout unit -peculiar, pinkish to buff tinged blotches likely Fe-Mg carbonate (also seen in DDH MAN24-16) -mod. to strong fracture controlled to clotty Qtz/carb alteration increasing downhole into chaotic zone of mixed felsic/mafic material		-negligable overall, lowermost 10cm of unit has 3-5% wispy Po veinlets and disseminations
116.50 TO 159.60	<7,b,m,<GAB >> Mafic Intrusive, medium grained, massive, gabbro	-broken but apparently sharp uphole contact -med. grayish green, speckled/salt&pepper textured -non-fol'd but cut by gash chlorite fractures -felted, ophitic textured with white plagioclase lathes surrounded in a dark green (chloritized?) pyroxene-rich matrix -feldspars are 1X2-3mm in dimension and compose approximately 50% of unit -relatively homogenous throughout unit -lower portion of unit, below 155m becomes more dominated by brecciated textures with gabbroic 'fragments' set in a fine-grained chloritic matrix		-weakly chloritized groundmass but by irregular gash-chlorite fractures and slip planes -minor qtz/carb veining		-negligable, tr. Py
159.60 TO 163.70	<5,RWV> Sediment, Reworked Volcanic Material	-sharp but vague uphole contact, 5cm wide bull qtz vein at 159.7m (possible faulted?) -dark grayish green, unfol'd -fine-grained, likely sedimentary unit defined by small rock fragments visible throughout -no visible bedding although some irregular clots of slightly coarser grained material suggests internal stratification		-spotted, nodular alteration? between 161-163m		-tr. diss Py cubes

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
163.70 TO 308.90	<l,s,l> Ultramafic Volcanic, fine-grained, flows	<p>-otherized fairly monotonous/uniform unit</p> <p>-spotted, nodular texture between 161-163m possibly variolitic (qtz-feldspar clots) suggesting a possible mafic flow?</p> <p>-chill some on gabbro? but has sharp contact with gabbro above and distinct fragment content</p> <p>-sheared uphole contact at low CA angle (<15deg.)</p> <p>-ragged 15cm buff/tan mafic clast sitting at sediment/ultramafic contact</p> <p>-dark gray to black, mod. to strong fol'n at 45deg. to CA</p> <p>-poorly developed spinifex textures, possible polytexturing textures</p> <p>-mod. to strongly magnetic throughout unit</p> <p>-unit varies between paler coloured, mealy textured porphyroblastic texture above mafic zone noted below to more dark black serpentinite with fracture controlled talc-carb alteration below</p> <p>-paler gray coloured zone between 174-178m is more mafic in appearance and carries 2-4% Po fractures</p> <p>-unit remains strongly magnetic</p> <p>-gradational contacts with more typical ultramafic above and below</p> <p>-below mafic zone noted above, dark black serpentinite becomes dominant phase of unit</p> <p>-below 201m mealy/porphyroblastic texture resumes and pale gray, 'mafic-looking' zones similar to that between 174-178m become more abundant</p> <p>-contacts between mafic zones are gradational and irregular</p> <p>-stronger pervasive and brecciated carbonate veining within pale gray zones</p> <p>‡283.7-291.6‡<7,b,<GAB>></p> <p>-short zone of intermixed gabbroic material similar to that seen between 116.5-159.6m and minor, strongly magnetic ultramafic material</p> <p>-Po seen along lower contact of subinterval</p>		<p>-alteration varies between typical mealy-textured porphyroblastic carbonate and fracture-controlled talc-carb alteration</p> <p>-localised zones of wispy fuchsite veining</p>	<p>-negligable for most of unit</p> <p>-2-4% wispy Po stringers within more mafic-looking zone between 174-178m with tr. exsolved Cpy</p> <p>-general increase in Po content within similar zones occurring sporadically downhole (+/-Cpy)</p> <p>-1-2cm Po veins within pale gray zone between 225.5-225.8m</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
308.90 TO 363.90	<7,b,<GAB>> Mafic Intrusive, medium grained, gabbro	<p>-lower 10-12m of unit becomes extremely mottled/brecciated with intermixed zones of magnetic ultramafic material and non-magnetic, fine-grained mafic material, likely related to mafic intrusive/gabbroic unit below</p> <p>-largely gradational/intermixed uphole contact with increase in mafic component to overlying ultramafic unit</p> <p>-med. greenish gray, non-fol'd</p> <p>-gabbroic unit similar to that between 116.5m-159.6m but with larger proportion of finer grained, chloritic? mafic material interstitial to zones of coarser grained, gabbroic rock</p> <p>-unit is weakly magnetic locally due to fine-grained magnetite? are rare magnetite fractures/clots</p> <p>-coarser grained portions grade irregularly into finer grained portions and have distinctive ophitic, saltpepper textures</p> <p>-becoming dominant phase over lower half of unit however fine grained portions continue sporadically throughout remainder of unit</p> <p>§350.8-352.6§<FAI></p> <p>-zone of broken/blocky core with talc/chlorite and carbonate-rich fracture planes</p> <p>-finer grained interval over lowermost 2m of unit likely a chill zone</p>		<p>-mod. to strong pervasive and fracture controlled carbonate</p> <p>-mod. pervasive and gash-chlorite fracture controlled alteration</p>	<p>-tr.-1% diss. and fracture controlled Po overall, occurring predominantly in finer-grained portions of unit</p> <p>-strongly Po+Mag+/-Cpy mineralized zone between 311.7-313.5m consisting of fracture-controlled/banded magnetite and Po with exsolved Po</p> <p>-occurs within a finer grained portion of unit with strong calcite/carbonate alteration</p> <p>-rare clotty magnetite fractures</p> <p>-ragged 1cm Po+/-Cpy vein at 329.9m</p> <p>-2nd strongly Po+/-Cpy rich zone between 353.3-354.1m w/ 5-7% wispy Po veinlets and tr. exsolved Cpy</p>	
363.90 TO 405.30	<1,a,1> Ultramafic Volcanic, fine grained, flows	<p>-sharp uphole contact at 55deg. to CA</p> <p>-dark black to greenish black, mod. fol'n at 50-60deg. to CA</p> <p>-spotty/mealy textured porphyroblastic carbonate rich ultramafic flows similar to those uphole</p> <p>-mod. to strongly magnetic</p> <p>-polysutured/brecciated textures defined by irregular chloritic/carbonate fracturing</p> <p>-fairly homogenous unit apart from localized</p>		<p>-mod. to strong porphyroblastic Fe-carb alteration with minor fracture-controlled talc-carb</p> <p>-sporadic zones of diffuse, pervasive carbonate alteration imparting mottled texture locally</p>	<p>-tr. Po +/-magnetite?</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
405.30 TO 587.50	<7.b.m.<GAB >> Mafic Intrusive, medium grained, massive, gabbro	<p>zone of diffuse, pale gray carbonate alteration</p> <p>-inter-sized zones of more gabbroic textured material becoming evident below approximately 397m</p> <p>-indistinct, gradational uphole contact defined by last interval of ultramafic material within mixed interval at base of overlying unit</p> <p>-dark green to grayish green, un-fol'd</p> <p>-predominantly (>85%) coarse-grained, ophitic textured gabbroic material with felted texture defined by plagioclase lathes set in a fine-grained, dark green matrix</p> <p>-plagioclase comprises <30% of unit</p> <p>-non-magnetic</p> <p>-jointing at 45 & 80 deg. to CA on <0.5m spacing</p> <p>§438.0-438.1§= FAI ></p> <p>-strong qtz/carb veining with gouge along fracture planes</p> <p>-unit becomes increasingly coarser grained below 454m as plagioclase begins to occur in cluster and clots surrounded by fine-grained matrix</p> <p>-bladed pyroxene x-stals occur sporadically throughout coarser grained interval</p> <p>§478.8-479.6§= FAI ></p> <p>-strong qtz/carb veining and strong fol'n at 40deg. to CA</p> <p>-slight increase in proportion of fine-grained interstitial mafic material (up to 40%) between 505-518m</p> <p>§526.2-526.3§= FAI ></p> <p>-zone of ground core, very brittle, possibly mechanical breakage</p> <p>-unit becoming finer grained (to med. grained) below approximately 540m</p> <p>-irregular chill zone over lower 5m of unit</p>		<p>-weak gash chlorite and qtz/carb veining</p> <p>-20cm bull-qtz vein at 25deg. to CA at 455.8m</p>	-<2% Fo veinlets +/- tr. exsolved Cpy	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
587.50 TO 591.30	<4,br>Felsic Volcanic, breccia	-broken (missing) uphole contact but apparently sharp -pale gray, mod. to strong fol'n at 60deg. to CA -similar felsic unit as seen at top of hole between 102-116m -strongly chloritized with brecciated texture defined by irregular chlorite veining -weakly laminated locally due flow-banding? within individual rhyolite clasts -no visible qtz-phenocrysts with <1% clotty feldspar phenocrysts		-mod. to strong pervasive and fracture controlled chlorite -mod. to strong irregular qtz/calcite veining and clots -patchy pinkish carbonate? alteration locally -clotty mustard yellow sericite locally	-2-3% disseminated to fracture controlled and blebby Po	
591.30 TO 629.50	<5,<WCK>,g,> Sediment greywacke, graphitic, chert	-obscured, gradational? uphole contact -dark gray to black, little fol'n evident -JonSmith Horizon -sedimentary sequence consisting of variable intermixed units -upper portion of unit consist of med. to fine-grained greywack which is extremely massive with very little evidence of bedding apart from minor intercalated argillaceous beds <1cm in width -<1% argillite rip-up clasts -below 601m unit consists of interlaminated cherty and argillaceous material with accessory rhyolite? fragments (possibly chert clasts) -argillite is non-conductive -cherty is well banded locally but banding is very discontinuous -below 609 to 620.7m unit consists of coarser grained debris but most fragments still <1cm in diameter -minor interbedded chert within interval -unit likely represent volcanoclastic debris deposits and reworked volcanic material -Po is still concentrated in more cherty/siliceous portions of unit ‡620.7-626.4‡<5,g> -unit is strongly graphitic and highly conductive -strongly broken and blocky core with strong		-weakly silicified -minor hairline qtz/carb veinlets -greenish fuchsite alteration halo around Po veinlet at 595.8m	-3-5% wispy to blebby Po clots intermittantly throughout unit sometimes with significant Cpy exsolutions (ie. @598.3m) -increase in Po content within cherty/argillaceous interval between 601-609m -7-9% within this interval with tr-1% Cpy exsolutions, possibly tr. Sph? -tr. -2% Py+/-Po within argillaceous portion of unit between 620-627m	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
629.50 TO 657.00	<4,m,D,1> Felsic Volcanic, massive, Feldspar- phyric, flows	<p>qtz/carb veining -possibly a fault zone -little internal structure evident due to nature of broken core -extremely lustrous, graphitic fracture planes -<2% total sulphide within argillaceous portion of unit</p> <p>-lowermost 3-4m of unit is composed primarily of siliceous, chert with well laminated textures at 60deg. to CA -possibly a rhyolite flow but banding is too uniform to be flow banding -Po within this portion of unit occurs as more distinct fractures/vains somewhat conformable to banding and not as irregular wispy veinlets -strong Cpy exsolution from some Po veinlets -brecciated locally defined by irregular qtz/carb fracturing</p> <p>-broken but sharp uphole contact at 65deg. to CA -dark to brownish gray, weak fol'n at 65-70deg. to CA</p> <p>-strongly feldspar-phyric felsic unit typical of footwall to Jonesmith Horizon -large euhedral to subhedral albite phenocryst (<1-4mm in diameter) comprise 15-20% of unit and are set in a siliceous, aphanitic groundmass -weak brecciated/fragmental textures locally but overall unit is very massive</p>		<p>-weakly silicified with weakly chloritized groundmass -minor qtz/carb fracturing</p>		-tr-14 blebby to fracture controlled Po
657.00 TO 657.00	<E.O.H.> End-Of-Hole					

HOLE NUMBER : MAN24-17

ASSAYS SHEET

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Sample	From (M)	To (M)	Leag. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn ppm	Co ppm	Pt ppb	Rd ppb	S %	Se ppm	As ppm	Hg ppb	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AU07828	42.40	42.80	0.40	1230	54	20	37	10	0.3																	
AU07829	76.40	76.70	0.30	2390	155	2	36	3	0.3																	
AU07830	225.50	225.80	0.30	456	96	1	602	<2	0.1																	
AU00631	311.70	312.70	1.00	398	20	1	298	2	0.1																	
AU00632	312.70	313.50	0.80	384	16	1	307	2	0.1																	
AU00633	353.30	354.10	0.80	543	19	1	555	22	0.1																	
AU00634	597.50	599.00	1.50	69	17	1	18	2	0.1																	
AU00635	599.00	600.50	1.50	31	36	5	21	3	0.1																	
AU00636	600.50	602.00	1.50	39	32	1	79	7	0.1																	
AU00637	602.00	603.50	1.50	228	41	1	168	7	0.1																	
AU00638	603.50	605.00	1.50	203	55	1	159	5	0.2																	
AU00639	605.00	606.50	1.50	210	211	1	153	3	0.2																	
AU00640	606.50	608.00	1.50	121	88	1	97	5	0.1																	
AU00641	608.00	609.30	1.30	118	383	1	76	<2	0.1																	
AU00642	609.30	610.80	1.50	22	53	1	27	2	0.1																	
AU00643	610.80	612.30	1.50	222	49	1	156	3	0.1																	
AU00644	612.30	614.00	1.70	109	90	1	113	2	0.1																	
AU00645	614.00	615.50	1.50	88	53	1	74	3	0.1																	
AU00646	615.50	617.00	1.50	132	49	1	43	2	0.1																	
AU00647	617.00	618.50	1.50	141	55	1	40	2	0.1																	
AU00648	618.50	620.00	1.50	29	42	2	75	7	0.1																	
AU00649	620.00	621.50	1.50	167	210	4	51	7	0.3																	
AU00650	621.50	623.00	1.50	165	805	10	65	2	0.4																	
AU03380	623.00	624.50	1.50	88	260	8	33	10	0.2																	
AU03381	624.50	626.40	1.90	174	361	16	55	14	0.2																	
AU03382	626.40	627.90	1.50	406	272	22	58	7	0.3																	
AU03383	627.90	629.00	1.10	115	172	5	38	10	0.2																	
AU03384	629.00	629.50	0.50	312	277	13	148	9	0.5																	

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Sample	From (M)	To (M)	Leag. (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
AU00624	18.50	20.00	1.50	66.890	14.530	1.2800	6.0900	3.5400	0.5000	3.1900	0.4800	0.0900	0.0300		3.3800	100.07	19.000	167.00	185.00	0.5000	17.000	155.00	100.00			
AU00625	20.00	21.50	1.50	69.580	13.460	0.5100	4.7200	0.9000	1.9400	3.7400	0.4400	0.0700	0.0400		3.5900	99.080	14.000	159.00	462.00	0.5000	11.000	57.000	95.000			
AU00626	26.00	27.00	1.00	67.860	13.480	1.3000	6.1800	3.7500	0.2600	3.1200	0.4400	0.0800	0.0300		3.1100	99.670	16.000	153.00	133.00	1.0000	12.000	118.00	138.00			
AU00627	29.00	32.00	3.00	65.930	15.070	0.3600	5.2300	0.5500	2.0400	5.2200	0.5500	0.1300	0.0400		3.9400	99.130	14.000	171.00	202.00	5.0000	27.000	28.000	102.00			
AU00628	35.00	38.00	3.00	69.690	13.690	0.4700	4.7300	0.5800	1.5400	4.7400	0.4600	0.0800	0.0500		4.0900	100.16	14.000	162.00	192.00	3.0000	19.000	42.000	78.000			
AU00629	65.00	68.00	3.00	66.230	13.840	0.6300	5.4300	0.9000	0.8900	5.6100	0.4800	0.0600	0.0300		4.5200	98.670	12.000	150.00	168.00	0.5000	34.000	40.000	86.000			
AU00630	95.00	98.00	3.00	65.890	13.890	0.6600	5.5700	0.9900	1.0300	6.6200	0.4900	0.0800	0.0400		4.8300	100.13	12.000	145.00	203.00	0.5000	32.000	33.000	114.00			
AU07783	103.00	106.00	3.00	54.110	11.680	3.8600	13.180	0.3400	0.2100	9.1500	0.8600	0.0800	0.0800		4.9500	98.610	34.000	140.00	80.000	0.5000	19.000	60.000	707.00			
AU07784	110.00	113.00	3.00	63.220	9.4800	4.4300	10.190	1.2900	0.2800	6.8200	0.5300	0.1300	0.0800		3.1500	99.630	22.000	108.00	61.000	0.5000	10.000	43.000	238.00			
AU07785	125.00	128.00	3.00	51.620	14.280	11.940	6.0400	1.7800	0.6700	11.050	0.8100	0.0150	0.2100		1.6000	100.07	14.000	47.000	125.00	2.0000	10.000	12.000	196.00			
AU07786	160.00	163.00	3.00	46.360	12.410	16.290	9.7900	0.4900	0.3500	8.5000	0.6500	0.2500	0.1900		2.8000	98.190	12.000	91.000	179.00	62.000	14.000	44.000	423.00			
AU07787	170.00	173.00	3.00	39.060	2.2300	1.3300	34.940	0.0200	0.0250	9.1400	0.1000	0.0300	0.1500		11.230	98.360	2.0000	7.0000	5.0000	5.0000	18.000	1611.0	1270.0			
AU07788	175.00	178.00	3.00	46.670	2.2100	19.960	16.910	0.0200	0.0250	11.180	0.1000	0.0400	0.2000		2.6400	100.06	4.0000	10.000	5.0000	510.00	24.000	1471.0	1251.0			
AU07788	188.00	191.00	3.00	37.560	2.5400	0.0700	36.800	0.0050	0.0250	9.3700	0.1200	0.0150	0.1100		11.980	99.020	2.0000	9.0000	5.0000	0.5000	18.000	1821.0	4751.0			
AU07790	200.00	203.00	3.00	38.230	2.6100	1.3900	35.380	0.0050	0.0250	9.1400	0.1200	0.0150	0.1600		11.270	98.870	3.0000	8.0000	5.0000	0.5000	18.000	1738.0	5790.0			
AU07791	227.00	230.00	3.00	39.830	2.5600	5.0600	32.030	0.0200	0.0250	8.8100	0.1200	0.0150	0.1600		9.0400	97.780	3.0000	6.0000	5.0000	0.5000	20.000	1723.0	1523.0			
AU07792	255.00	258.00	3.00	39.350	2.7800	5.2200	32.070	0.0500	0.0250	9.3900	0.1300	0.0150	0.1400		8.1200	97.490	3.0000	8.0000	5.0000	0.5000	26.000	1616.0	2384.0			
AU07793	293.00	296.00	3.00	20.820	2.4900	28.450	13.700	0.0300	0.0250	7.8900	0.1100	0.0150	0.4700		23.270	97.560	8.0000	6.0000	5.0000	8.0000	17.000	987.00	3169.0			
AU07794	320.00	323.00	3.00	45.500	14.680	9.5500	10.280	1.4700	0.7700	13.020	0.6700	0.0150	0.2400		3.1700	99.400	15.000	41.000	194.00	1.0000	18.000	41.000	214.00			
AU07795	361.00	363.00	2.00	46.000	10.980	13.400	13.580	0.5800	0.3300	8.6900	0.5000	0.2500	0.2200		2.7400	97.420	10.000	67.000	154.00	2.0000	14.000	166.00	908.00			
AU07796	389.00	392.00	3.00	40.040	3.9400	3.6200	30.830	0.1400	0.0250	9.9800	0.2000	0.0300	0.1400		8.2900	97.560	4.0000	12.000	5.0000	67.000	19.000	900.00	3451.0			
AU07797	416.00	419.00	3.00	50.810	14.290	11.470	7.0800	1.6900	0.9100	10.010	0.6300	0.0150	0.1900		1.6100	98.750	14.000	38.000	256.00	2.0000	10.000	18.000	220.00			
AU07798	494.00	497.00	3.00	52.830	12.980	9.8500	5.6100	1.7700	0.4200	13.180	0.8300	0.0300	0.2200		1.0900	98.870	17.000	55.000	114.00	7.0000	14.000	11.000	136.00			
AU07799	588.00	591.00	3.00	58.050	11.450	7.4600	7.6300	1.6900	0.7000	7.4800	0.5300	0.0800	0.1400		2.5400	97.830	14.000	114.00	162.00	50.000	14.000	70.000	474.00			
AU07800	627.00	629.00	2.00	79.670	6.0000	2.4300	1.0500	2.0200	0.4300	5.4400	0.2800	0.0600	0.0400		2.7700	100.23	7.0000	72.000	84.000	174.00	270.00	87.000	231.00			
AU07831	641.00	644.00	3.00	70.940	14.930	3.2300	1.0400	5.4200	1.1500	1.5700	0.3500	0.0500	0.0400		1.1300	99.940	3.0000	133.00	293.00	9.0000	25.000	41.000	233.00			

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Sample	From (M)	To (M)	Logg. (M)	KB PPM	SR PPM	CO2 %	AG PPM	AU PPM	CO PPM	PB PPM	S %	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	CH PPM	ND PPM
AD00624	18.50	20.00	1.50		174.00		0.1000		20.000	1.0000	0.0050	53.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						11.000
AD00625	20.00	21.50	1.50		72.000		0.1000		18.000	1.0000	0.0050	28.000	2.5000	10.000	0.3000	2.5000	2.5000				5.0000	10.000	4.0000						10.000
AD00626	26.00	27.00	1.00		174.00		0.1000		19.000	1.0000	0.0050	57.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	6.0000						11.000
AD00627	29.00	32.00	3.00		50.000		0.1000		18.000	1.0000	0.0050	30.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	1.0000						10.000
AD00628	35.00	38.00	3.00		49.000		0.1000		22.000	1.0000	0.0050	25.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	3.0000						9.0000
AD00629	65.00	68.00	3.00		74.000		0.1000		26.000	1.0000	0.0050	44.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	3.0000						7.0000
AD00630	95.00	98.00	3.00		78.000		0.1000		21.000	1.0000	0.0050	46.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						5.0000
AD07783	103.00	106.00	3.00		53.000		0.1000		27.000	1.0000	0.0050	134.00	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	1.0000						21.000
AD07784	110.00	113.00	3.00		79.000		0.1000		12.000	1.0000	0.0050	39.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						20.000
AD07785	125.00	128.00	3.00		125.00		0.1000		10.000	1.0000	0.0100	53.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						1.0000
AD07786	160.00	163.00	3.00		283.00		0.1000		13.000	1.0000	0.0400	37.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	4.0000						29.000
AD07787	170.00	173.00	3.00		2.5000		0.1000		74.000	1.0000	0.1400	26.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07789	175.00	178.00	3.00		12.000		0.1000		90.000	1.0000	1.9800	26.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07788	188.00	191.00	3.00		2.5000		0.1000		105.00	1.0000	0.0600	28.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07790	200.00	203.00	3.00		2.5000		0.1000		66.000	1.0000	0.0900	23.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07791	227.00	230.00	3.00		6.0000		0.1000		78.000	1.0000	0.1100	29.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07792	255.00	258.00	3.00		12.000		0.1000		78.000	1.0000	0.0100	23.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07793	293.00	296.00	3.00		93.000		0.1000		50.000	1.0000	0.1800	23.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07794	320.00	323.00	3.00		106.00		0.1000		20.000	1.0000	0.0050	69.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	1.0000						0.5000
AD07795	361.00	363.00	2.00		450.00		0.1000		17.000	1.0000	0.0200	26.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	3.0000						23.000
AD07796	389.00	392.00	3.00		7.0000		0.1000		73.000	1.0000	0.2000	37.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	0.5000						0.5000
AD07797	416.00	419.00	3.00		144.00		0.1000		8.0000	1.0000	0.0100	27.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						0.5000
AD07798	494.00	497.00	3.00		103.00		0.1000		14.000	1.0000	0.0100	60.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						1.0000
AD07799	588.00	591.00	3.00		103.00		0.1000		27.000	1.0000	0.0700	44.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	7.0000						5.0000
AD07800	627.00	629.00	2.00		33.000		0.3000		28.000	8.0000	1.4700	28.000	8.0000	10.000	0.5000	2.5000	2.5000				5.0000	10.000	7.0000						5.0000
AD07831	641.00	644.00	3.00		247.00		0.1000		7.0000	4.0000	0.0500	19.000	2.5000	10.000	0.1000	2.5000	2.5000				5.0000	10.000	2.0000						7.0000

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Sample	From (M)	To (M)	Leg. (M)	SM PPM	KU PPM	GD PPM	DY PPM	KR PPM	LU PPM	OS PPM	IR PPM	KU PPM	KH PPM	PT PPM	PD PPM	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MG00 PPM	CA/AL	NI/MGO	ISHIKW	ZN/NA2	
AU00624	18.50	20.00	1.50													20.000		237.00	1.0000				9.0000							
AU00625	20.00	21.50	1.50													19.000		260.00	1.0000				2.5000							
AU00626	26.00	27.00	1.00													15.000		238.00	1.0000				9.0000							
AU00627	29.00	32.00	3.00													23.000		297.00	4.0000				2.5000							
AU00628	35.00	38.00	3.00													21.000		318.00	3.0000				2.5000							
AU00629	65.00	68.00	3.00													23.000		229.00	5.0000				2.5000							
AU00630	95.00	98.00	3.00													37.000		274.00	4.0000				2.5000							
AU07783	103.00	106.00	3.00													32.000		266.00	7.0000				17.000							
AU07784	110.00	113.00	3.00													23.000		206.00	1.0000				2.5000							
AU07785	125.00	128.00	3.00													7.0000		229.00	1.0000				2.5000							
AU07786	160.00	163.00	3.00													22.000		385.00	3.0000				2.5000							
AU07787	170.00	173.00	3.00													1.0000		864.00	1.0000				6.0000							
AU07789	175.00	178.00	3.00													1.0000		414.00	4.0000				2.5000							
AU07788	188.00	191.00	3.00													1.0000		594.00	1.0000				7.0000							
AU07790	200.00	203.00	3.00													1.0000		853.00	1.0000				6.0000							
AU07791	227.00	230.00	3.00													1.0000		860.00	1.0000				5.0000							
AU07792	255.00	258.00	3.00													4.0000		740.00	1.0000				6.0000							
AU07793	293.00	296.00	3.00													0.5000		2255.0	1.0000				2.5000							
AU07794	320.00	323.00	3.00													25.000		519.00	3.0000				2.5000							
AU07795	361.00	363.00	2.00													30.000		413.00	1.0000				2.5000							
AU07796	389.00	392.00	3.00													2.0000		591.00	1.0000				5.0000							
AU07797	416.00	419.00	3.00													6.0000		174.00	1.0000				2.5000							
AU07798	494.00	497.00	3.00													6.0000		369.00	5.0000				6.0000							
AU07799	588.00	591.00	3.00													15.000		287.00	1.0000				5.0000							
AU07800	627.00	629.00	2.00													9.0000		274.00	6.0000				2.5000							
AU07831	641.00	644.00	3.00													7.0000		196.00	3.0000				2.5000							

HOLE NUMBER : MAN24-17

GEOCHEMICAL ASSAYS

PAGE: 14

HOLE NUMBER : MAN24-17

GEOCHEMICAL ASSAYS

DATE: 13/03/2001

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM
AD00624	18.50	20.00	1.50		4.0000
AD00625	20.00	21.50	1.50		4.0000
AD00626	26.00	27.00	1.00		4.0000
AD00627	29.00	32.00	3.00		4.0000
AD00628	35.00	38.00	3.00		3.0000
AD00629	65.00	68.00	3.00		3.0000
AD00630	95.00	98.00	3.00		4.0000
AD07783	103.00	106.00	3.00		7.0000
AD07784	110.00	113.00	3.00		4.0000
AD07785	125.00	128.00	3.00		3.0000
AD07786	160.00	163.00	3.00		4.0000
AD07787	170.00	173.00	3.00		4.0000
AD07789	175.00	178.00	3.00		5.0000
AD07788	188.00	191.00	3.00		4.0000
AD07790	200.00	203.00	3.00		3.0000
AD07791	227.00	230.00	3.00		4.0000
AD07792	255.00	258.00	3.00		3.0000
AD07793	293.00	296.00	3.00		1.0000
AD07794	320.00	323.00	3.00		6.0000
AD07795	361.00	363.00	2.00		3.0000
AD07796	389.00	392.00	3.00		4.0000
AD07797	416.00	419.00	3.00		2.0000
AD07798	494.00	497.00	3.00		4.0000
AD07799	588.00	591.00	3.00		4.0000
AD07800	627.00	629.00	2.00		4.0000
AD07831	641.00	644.00	3.00		1.0000

HOLE NUMBER: MAN24-17

GEOCHEMICAL ASSAYS

PAGE: 15



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

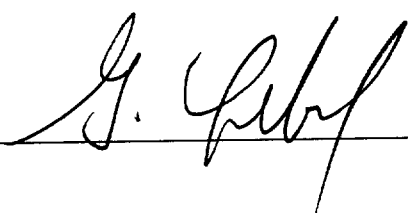
0W-4496-RG1

Company: **FALCONBRIDGE LTD EXPLORATION**
Project: 296
Attn: D. Rogers

Date: DEC-20-00

We hereby certify the following Geochemical Analysis of 28 Core samples submitted DEC-13-00 by .

Sample Number	Au PPB	Cu PPB	Zn PPM	Pb PPM	Ag PPM	Ni PPM
AU07828	10	1230	54	20	0.3	37
AU07829	3	2390	155	2	0.3	36
AU07830	<2	456	96	1	0.1	602
AU00631	2	398	20	1	0.1	298
AU00632	2	384	16	1	0.1	307
AU00633	22	543	19	1	0.1	555
AU00634	2	69	17	1	0.1	18
AU00635	3	31	36	5	0.1	21
AU00636	7	39	32	1	0.1	79
AU00637	7	228	41	1	0.1	168
AU00638	5	203	55	1	0.2	159
AU00639	3	210	211	1	0.2	153
AU00640	5	121	88	1	0.1	97
AU00641	<2	118	383	1	0.1	76
AU00642	2	22	53	1	0.1	27
AU00643	3	222	49	1	0.1	156
AU00644	2	109	90	1	0.1	113
AU00645	3	88	53	1	0.1	74
AU00646	2	132	49	1	0.1	43
AU00647	2	141	55	1	0.1	40
AU00648	7	29	42	2	0.1	75
AU00649	7	167	210	4	0.3	51
AU00650	2	165	805	10	0.4	65
AU03380	10	88	260	8	0.2	33
AU03381	14	174	361	16	0.2	55
AU03382	7	406	272	22	0.3	58
AU03383	10	115	172	5	0.2	38
AU03384	9	312	277	13	0.5	148

Certified by 



CLIENT: FALCON EXPLORATION, KIDD CREEK MINESITE
REPORT: T00-57483.0 (COMPLETE)

DATE RECEIVED: 06-DEC-00 DATE PRINTED: 18-DEC-00 PAGE 1A(1/ 2) PROJECT: 291

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	Al2O3 PCT	CaO PCT	MgO PCT	Na2O PCT	K2O PCT	Fe2O3 PCT	TiO2 PCT	P2O5 PCT	MnO PCT	Cr PPM	LOI PCT	Total PCT	Y PPM	Zr PPM	Be PPM	Sr PPM	Cu PPM	Zn PPM	Ni PPM	Ag PPM	Co PPM	Pb PPM	S PCT	V PPM	As PPM	Sn PPM	Cd PPM	Sb PPM	Bi PPM	Ta PPM	W PPM	Mo PPM	La PPM	Li PPM	Mn PPM	Ga PPM
AU 00624		66.89	14.53	1.28	6.09	3.54	0.50	3.19	0.48	0.09	.03	100	3.38	100.07	19	167	185	174	<1	17	155	<.2	20	<2	<.01	53	<5	<20	<.2	<5	<5	<10	<20	2	11	20	237	<2
AU 00625		69.58	13.46	0.51	4.72	0.90	1.94	3.74	0.44	0.07	.04	95	3.59	99.08	14	159	462	72	<1	11	57	<.2	18	<2	<.01	28	<5	<20	0.3	<5	<5	<10	<20	4	10	19	260	<2
AU 00626		67.86	13.48	1.30	6.18	3.75	0.26	3.12	0.44	0.08	.03	138	3.11	99.67	16	153	133	174	1	12	118	<.2	19	<2	<.01	57	<5	<20	<.2	<5	<5	<10	<20	6	11	15	238	<2
AU 00627		65.93	15.07	0.36	5.23	0.55	2.04	5.22	0.55	0.13	.04	102	3.94	99.13	14	171	202	50	5	27	28	<.2	18	<2	<.01	30	<5	<20	<.2	<5	<5	<10	<20	1	10	23	297	4
AU 00628		69.69	13.69	0.47	4.73	0.58	1.34	4.74	0.46	0.08	.05	78	4.09	100.16	14	162	192	49	3	19	42	<.2	22	<2	<.01	25	<5	<20	<.2	<5	<5	<10	<20	3	9	21	318	3
AU 00629		66.23	13.84	0.63	5.43	0.90	0.89	5.61	0.48	0.06	.03	86	4.52	98.67	12	150	168	74	<1	34	40	<.2	26	<2	<.01	44	<5	<20	<.2	<5	<5	<10	<20	3	7	23	229	5
AU 00630		65.89	13.89	0.66	5.57	0.99	1.03	6.62	0.49	0.08	.04	114	4.83	100.13	12	145	203	78	<1	32	33	<.2	21	<2	<.01	46	<5	<20	<.2	<5	<5	<10	<20	2	5	37	274	4
AU 07831		70.94	14.93	3.23	1.04	5.42	1.15	1.57	0.35	0.05	.04	233	1.13	99.94	3	133	293	247	9	25	41	<.2	7	4	0.05	19	<5	<20	<.2	<5	<5	<10	<20	2	7	7	196	3
AU 07783		54.11	11.68	3.86	13.18	0.34	0.21	9.15	0.86	0.08	.08	707	4.95	98.61	34	140	80	53	<1	19	60	<.2	27	<2	<.01	134	<5	<20	<.2	<5	<5	<10	<20	1	21	32	266	7
AU 07784		63.22	9.48	4.43	10.19	1.29	0.28	6.82	0.53	0.13	.08	238	3.15	99.63	22	108	61	79	<1	10	43	<.2	12	<2	<.01	39	<5	<20	<.2	<5	<5	<10	<20	2	20	23	206	<2
AU 07785		51.62	14.28	11.94	6.04	1.78	0.67	11.05	0.81	<.03	.21	196	1.60	100.07	14	47	125	125	2	10	12	<.2	10	<2	0.01	53	<5	<20	<.2	<5	<5	<10	<20	2	1	7	229	<2
AU 07786		46.36	12.41	16.29	9.79	0.49	0.35	8.50	0.65	0.25	.19	423	2.80	98.19	12	91	179	283	62	14	44	<.2	13	<2	0.04	37	<5	<20	<.2	<5	<5	<10	<20	4	29	22	385	3
AU 07787		39.06	2.23	1.33	34.94	0.02	<.05	9.14	0.10	0.03	.15	1270	11.23	98.36	2	7	<10	<5	5	18	1611	<.2	74	<2	0.14	26	<5	<20	<.2	<5	<5	<10	<20	<1	<1	1	864	<2
AU 07788		37.56	2.54	0.07	36.80	<.01	<.05	9.37	0.12	<.03	.11	4751	11.98	99.02	2	9	<10	<5	<1	18	1821	<.2	105	<2	0.06	28	<5	<20	<.2	<5	<5	<10	<20	<1	<1	1	594	<2
AU 07789		46.67	2.21	19.96	16.91	0.02	<.05	11.18	0.10	0.04	.20	1251	2.64	100.06	4	10	<10	12	510	24	1471	<.2	90	<2	1.98	26	<5	<20	<.2	<5	<5	<10	<20	<1	<1	1	414	4
AU 07790		38.23	2.61	1.39	35.38	<.01	<.05	9.14	0.12	<.03	.16	5790	11.27	98.87	3	8	<10	<5	<1	18	1738	<.2	66	<2	0.09	23	<5	<20	<.2	<5	<5	<10	<20	<1	<1	1	853	<2
AU 07791		39.83	2.56	5.06	32.03	0.02	<.05	8.81	0.12	<.03	.16	1523	9.04	97.78	3	6	<10	6	<1	20	1723	<.2	78	<2	0.11	29	<5	<20	<.2	<5	<5	<10	<20	<1	<1	1	860	<2
AU 07792		39.35	2.78	5.22	32.07	0.05	<.05	9.39	0.13	<.03	.14	2384	8.12	97.49	3	8	<10	12	<1	26	1616	<.2	78	<2	0.01	23	<5	<20	<.2	<5	<5	<10	<20	<1	<1	4	740	<2
AU 07793		20.82	2.49	28.45	13.70	0.03	<.05	7.89	0.11	<.03	.47	3169	23.27	97.56	8	6	<10	93	8	17	987	<.2	50	<2	0.18	23	<5	<20	<.2	<5	<5	<10	<20	<1	<1	<1	2255	<2
AU 07794		45.50	14.68	9.55	10.28	1.47	0.77	13.02	0.67	<.03	.24	214	3.17	99.40	15	41	194	106	1	18	41	<.2	20	<2	<.01	69	<5	<20	<.2	<5	<5	<10	<20	1	<1	25	519	3
AU 07795		46.00	10.98	13.40	13.58	0.58	0.33	8.69	0.50	0.25	.22	908	2.74	97.42	10	67	154	450	2	14	166	<.2	17	<2	0.02	26	<5	<20	<.2	<5	<5	<10	<20	3	23	30	413	<2
AU 07796		40.04	3.94	3.62	30.83	0.14	<.05	9.98	0.20	0.03	.14	3451	8.29	97.56	4	12	<10	7	67	19	900	<.2	73	<2	0.20	37	<5	<20	<.2	<5	<5	<10	<20	<1	<1	2	591	<2
AU 07797		50.81	14.29	11.47	7.08	1.69	0.91	10.01	0.63	<.03	.19	220	1.61	98.75	14	38	256	144	2	10	18	<.2	8	<2	0.01	27	<5	<20	<.2	<5	<5	<10	<20	2	<1	6	174	<2
AU 07798		52.83	12.98	9.85	5.61	1.77	0.42	13.18	0.83	0.03	.22	136	1.09	98.87	17	55	114	103	7	14	11	<.2	14	<2	0.01	60	<5	<20	<.2	<5	<5	<10	<20	2	1	6	369	5
AU 07799		58.05	11.45	7.46	7.63	1.69	0.70	7.48	0.53	0.08	.14	474	2.54	97.83	14	114	162	103	50	14	70	<.2	27	<2	0.07	44	<5	<20	<.2	<5	<5	<10	<20	7	5	15	287	<2
AU 07800		79.67	6.00	2.43	1.05	2.02	0.43	5.44	0.28	0.06	.04	231	2.77	100.23	7	72	84	33	174	270	87	0.3	28	8	1.47	28	6	<20	0.5	<5	<5	<10	<20	7	5	9	274	6
AU 08356		75.72	9.97	0.30	0.53	1.21	6.63	2.67	0.23	<.03	.03	360	1.11	98.55	95	308	662	17	24	67	43	0.2	2	70	0.03	10	<5	<20	2.4	<5	<5	<10	<20	3	41	5	201	8

ms



CHIMITEC
BONDAR CLEGG



Rapport Lab Geochimie Geochemical Lab Report

CLIENT: FALCON EXPLORATION, KIDD CREEK MINESITE
REPORT: T00-57483.0 (COMPLETE)

DATE RECEIVED: 06-DEC-00

DATE PRINTED: 18-DEC-00

PROJECT: 291
PAGE 1B(2/ 2)

SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Nb PPM
AJ 00624		9	4
AJ 00625		<5	4
AJ 00626		9	4
AJ 00627		<5	4
AJ 00628		<5	3
AJ 00629		<5	3
AJ 00630		<5	4
AJ 07831		<5	1
AJ 07783		17	7
AJ 07784		<5	4
AJ 07785		<5	3
AJ 07786		<5	4
AJ 07787		6	4
AJ 07788		7	4
AJ 07789		<5	5
AJ 07790		6	3
AJ 07791		5	4
AJ 07792		6	3
AJ 07793		<5	1
AJ 07794		<5	6
AJ 07795		<5	3
AJ 07796		5	4
AJ 07797		<5	2
AJ 07798		6	4
AJ 07799		5	4
AJ 07800		<5	4
AJ 08356		<5	4

MS



Ministry of
Northern Development
and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)

W0160.00056

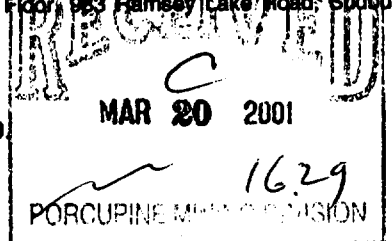
Assessment Files Research Imaging



42A15SW2013 2.20973 MANN

900

Subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 983 Ramsay Lake Road, Sudbury, Ontario.



Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name Falconbridge Limited Corporate Office	Client Number 130679
Address Suite 1200, 95 Wellington St. West	Telephone Number (416) 956-5700
Toronto, Ont. M5J 2V4	Fax Number (416) 956-5757
Name Falconbridge Limited Field Office - Timmins	Client Number
Address Falconbridge Ltd. Timmins Exploration Office	Telephone Number (705) 264-5200 (Field Office)
P.O. Box 1140 Timmins, Ont. P4N 7H9	Fax Number (705) 267-8874 (Field Office)

2.20973

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling stripping, trenching and associated assays Rehabilitation

Work Type Diamond Drilling (MAN24-17) + geochemical sampling	Office Use
	Commodity
	Total \$ Value of Work Claimed 38,995
Dates Work Performed From 8 11 00 To 17 11 00 <small>Day Month Year Day Month Year</small>	NTS Reference
Global Positioning System Data (if available)	Mining Division Porcupine
Township/Area Mann Twps.	Resident Geologist District Timmins
M or G-Plan Number G-3537	

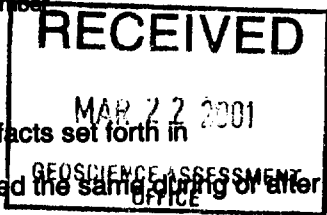
Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name Dean Rogers - Falconbridge Limited	Telephone Number (705) 264-5200 ext. 8211
Address P.O. Box 1140, Timmins, Ont. P4N 7H9	Fax Number (705) 267-8874
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, Dean Rogers, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same, and, to the best of my knowledge, the annexed report is true.



Signature of Recorded Holder or Agent 	Date March 14, 2001
Agent's Address Falconbridge Ltd. (As above)	Telephone Number (705) 264-5200 ext. 8211
	Fax Number (705) 267-8874

5: Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

120160-00056

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
1 Parcel 1462 (claim 446103) G 6000375	16.2ha	\$16,768	\$0	\$0	\$16,768
2 Parcel 1460 (claim 446102) G 6000377	16.2ha	\$22,227	\$0	\$4,937	\$17,290
3 P1201907	12 units	\$0	\$4,800	\$0	\$0
4 P1201908	2 units	\$0	\$137	\$0	\$0
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals	32.4ha + 14 units	\$38,995	\$4,937	\$4,937	\$34,058

200973

I, **Dean Rogers**, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing

Dean Rogers

Date

March 14, 2001

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED
MAR 22 2001
GEOSCIENCE ASSESSMENT OFFICE

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first followed by option number 2 if necessary.

For Office Use Only

Received Stamp

RECEIVED
MAR 20 2001
16.29
PORCUPINE MINING DIVISION

Deemed Approved Date

Date Notification Sent

Date Approved

Total Value of Credit Approved

Approved for Recording by Mining Recorder (Signature)

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	657m	\$45 m	\$29,565
Whole Rock Samples	37 samples	\$25 / sample	\$925
Assay Samples	28 samples	\$15 / sample	\$420
Geologist (planning + supervision)	12 days	\$250 / day	\$3,000
Associated Costs (e.g. supplies, mobilization and demobilization).			
Mobilization/Demobilization	1	\$3,000	\$3,000
Core Boxes	270	\$5.50	\$1,485
Transportation Costs			
	Truck Rental (12 days)	\$50	\$600
Food and Lodging Costs			
			2. 20973
Total Value of Assessment Work			\$38,995

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, **Dean Rogers**, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as **Project Geologist** I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)

Signature 	Date March 14, 2001
---------------	------------------------

MAR 20 2001
1629
PORCUPINE MINING DIVISION

RECEIVED
MAR 22 2001
GEOSCIENCE ASSESSMENT OFFICE

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845

Fax: (877) 670-1555

April 19, 2001

FALCONBRIDGE LIMITED
SUITE 1200, 95 WELLINGTON STREET WEST
TORONTO, ONTARIO
M5J-2V4

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.20973

Status

Subject: Transaction Number(s): W0160.00056 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact LUCILLE JEROME by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Lucille Jerome
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20973

Date Correspondence Sent: April 19, 2001

Assessor: LUCILLE JEROME

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0160.00056	6000375	MANN	Approval	April 18, 2001

Section:
16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Dean F. Rogers
TIMMINS, ONTARIO, CANADA

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

PLACER DOME (CLA) LIMITED
TORONTO, ON

AREAS WITHDRAWN FROM DISPOSITION

- M.A.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.F.S. - MINING AND SURFACE RIGHTS

Description Order No. Date Operation P.A.

WATER POWER RESERVE

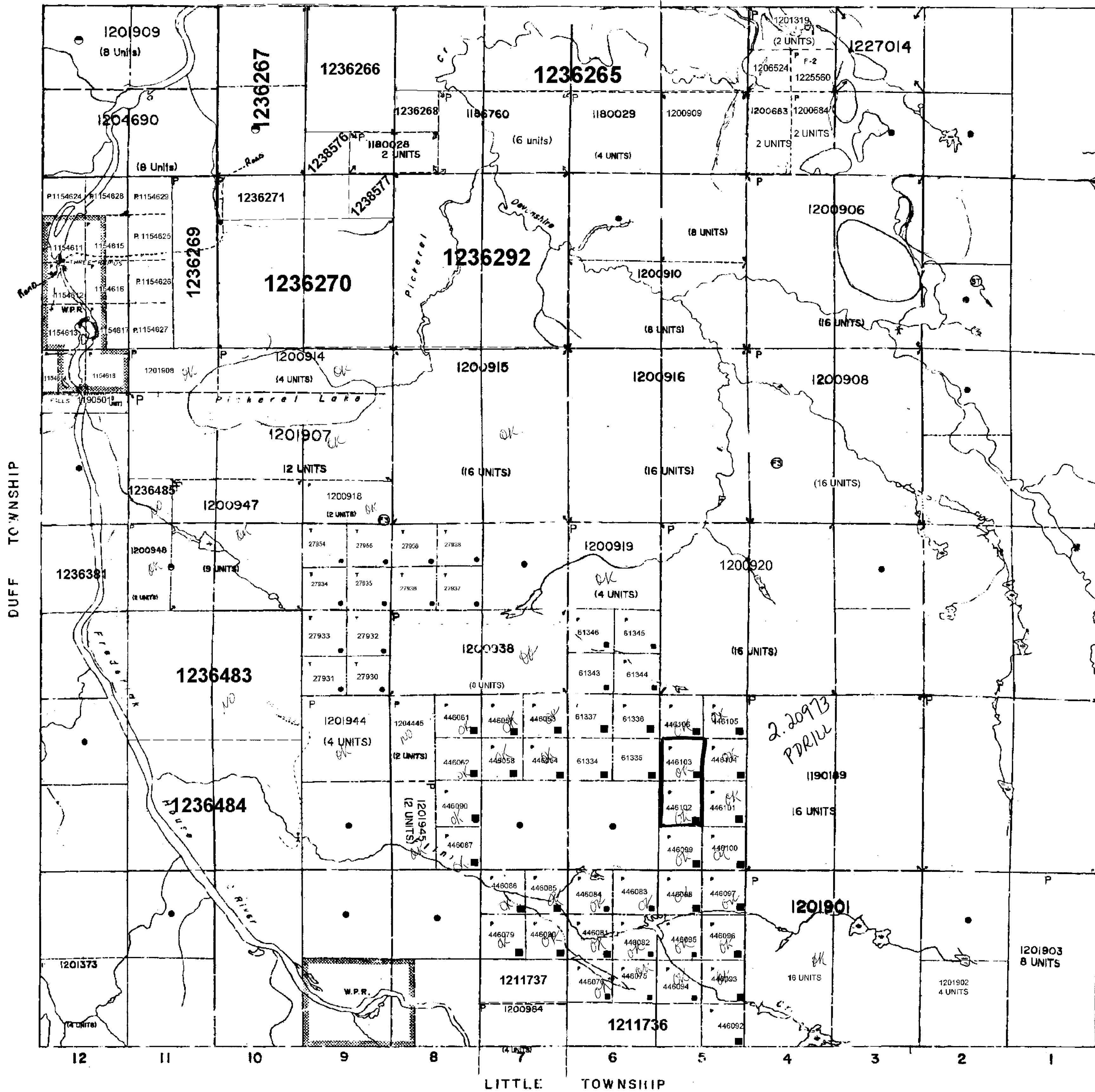
M.O. 87 187

SURFACE AND MINING RIGHTS BE OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 36 OF THE MINES ACT R.S.O. 1980 EFFECTIVE 30-SEP-88 AT 7AM EAST ORDER NO. D-P 4/90 RE DATED 30-SEP-88.

NOTE- P1126637 PLOTTED IN ERROR. S/B P114737.

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.

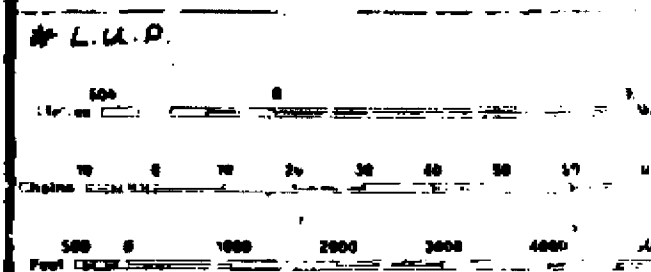
LAVEN TOWNSHIP



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
- RESERVATION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMIT	



SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

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SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

SCALE 1:20 000

NOTICE RECEIVED 08-DEC-08

Received Sept 22/86
TOWNSHIP
MANN
M.M.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE
AND TITLES / REGISTRY DIV. 514
COCHRANE

Ministry of Natural Resources
Ministry of Northern Development and Mines

SEPTEMBER 1986
G-3537



L99+00E

L100+00E

L101+00E

L102+00E

L103+00E

L104+00E

TL100+00N



MAN24-17

Az: 200°
Dip: -70°
(500,278mE, 5,407,291mN)

5,RWV 4,bx
4,bx 7,b
4,a,m 7,b
5,RWV,bx 7,b

4,tuf,gph
4,bx

7,b,m,<GAB>
5,RWV

1,a,l

7,b,<GAB>

7,b,<GAB>

1,a,l

7,b,m,<GAB>

4,bx
5,<WCK>,g,E
5,g
4,m,D,l
E.O.H.

MAN24-17

DOME1462
446103

DOME1460
446102

2.800

210

42A15W2013 2.20973 MANN

ASTRONOMIC



FALCONBRIDGE LIMITED



Exploration Division

Timmins, ONTARIO

Mann Twp. Property

MAN24-17

Plan Map

TRACED: DFR DATE: 03/14/01

NTS: PROJECT: 296

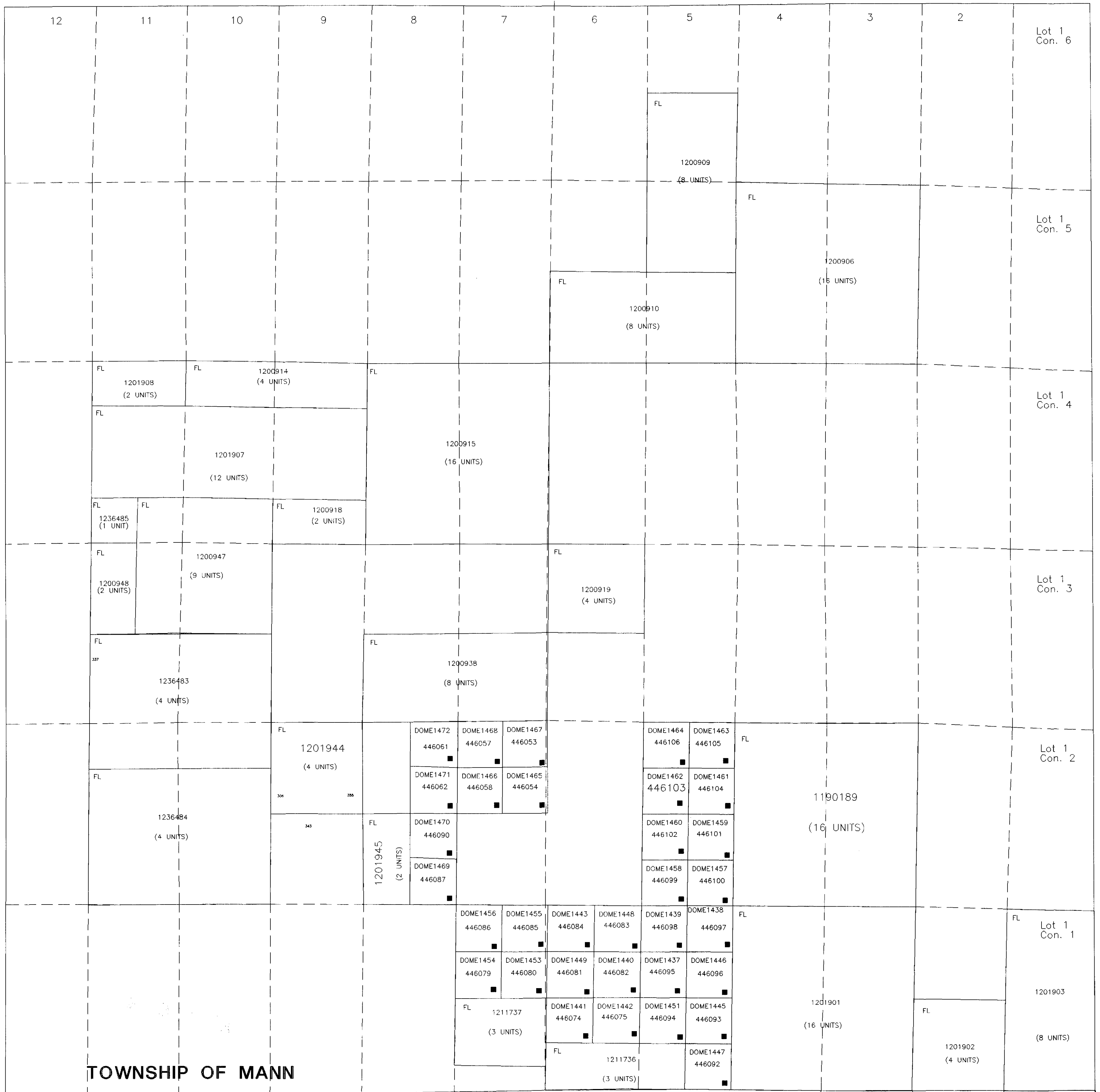
DRAWN: DFR DATE: 03/14/01

MAP No: FILE:

SUPERVISED: S.M. DATE: 03/14/01

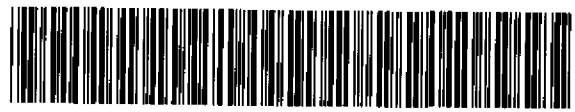
REVISED: DATE:

Scale 1:1,000



TOWNSHIP OF MANN

TOWNSHIP OF LITTLE



42A155W2013 2.20973 MANN 230

Falconbridge Ltd. - Timmins
Mann Township

FL Property Location Map

Traced by : Approved by :
 Drawn by : *Dean Rogers* Oct 12/99 Plan no. :
 Supervised by : Scale : 0 1 : 20,000 (metres)
 Revised by :