

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 33.20	Casing <{obj}>					- casing left in hole (NW and BW).
33.20 TO 54.00	Pillowed Mafic Volcanic <2,a,p,e>	<ul style="list-style-type: none"> - medium grey-green with dark green. - fine grained, moderately hard. - 1%, 1-3 mm, chlorite(?) -filled amygdules near pillow margins. - selvages are dark green, fine grained, moderately foliated, 1 cm wide, and locally contain epidote clots and trace pyrite and pyrrhotite. - pillow margins are moderately bleached. - 40m - weakly variolitic pillow margin. - {40.67-52} <2,b,l> Mafic flow (or dyke?) with darker grey, fine grained margins and a medium grained, dark green-grey center. Upper contact is sharp at 90°/ca as defined by a 2 mm dark green band, weakly amygdaloidal and appears to be conformable. - downhole contact is approximate at first appearance of brecciation. 		<ul style="list-style-type: none"> - cut by white, irregular, hairline, carbonate-filled fractures (2%). - pillow margins are weakly to moderately bleached. - late carbonate-quartz veins cut core at low angles (10-40°/ca, 1-10 mm wide). 	<ul style="list-style-type: none"> - up to 2% pyrrhotite and lesser pyrite in pillow selvages with epidote and carbonate. - 36.4-36.6m - 1% fracture-controlled pyrrhotite and trace chalcopyrite, locally with carbonate. 	
54.00 TO 61.95	Mafic Breccia and Ultramafic <2,bx/6>	<ul style="list-style-type: none"> - medium grey to brown-grey. - fragments are predominantly bleached mafic, angular, 1-2 cm clasts in a medium grey, fine grained matrix that is weakly carbonitized. - ultramafic may be matrix material - is blue-grey with white spots, very soft and reacts with HCl (6%). - 60.0-61.95m - strongly brecciated, clast supported with brownish-grey, cm-sized, rounded fragments with white, 1-2 mm alteration rims. Matrix is dark grey, carbonate-rich and pyritic (2%, 1 mm, subhedral blebs). - 61.5-61.9m - fragments are angular, 1-5 mm, and poorly sorted (reworked sediment?). - downhole contact is strongly quartz-carbonate veined with contact at first appearance of intact pillowed mafic volcanic rock. 		<ul style="list-style-type: none"> - mafic fragments are bleached. - cross-cut by up to 10%, irregular, randomly oriented carbonate veins. - local weak purplish and green tinge (hematite and epidote alteration?). 	<ul style="list-style-type: none"> - trace to 1% pyrite 1mm subhedra are fracture-controlled. - pyrite is locally disseminated. - 0.1% fracture-controlled pyrrhotite. 	- interval is unusual in its high proportion of pyrite to pyrrhotite.
61.95 TO 90.14	Pillowed Mafic Volcanic <2,a,p,<B1>>	<ul style="list-style-type: none"> - medium grey-green to pale brown-green. - fine grained, moderately hard to hard. - similar to 33.20-54.0m with lesser amygdules and more alteration. - locally, sub-mm white, laths (spicules) of 		<ul style="list-style-type: none"> - 2%, 2-4mm, dark green to black halos around 1 mm fractures in pillowed mafic (carbon or chlorite?). - alteration over last 10 metres is increasingly bleached (silicified) 	<ul style="list-style-type: none"> - up to 2% pyrrhotite and trace chalcopyrite with carbonate ± epidote in pillow selvages. - 0.5% fracture-controlled pyrrhotite and trace chalcopyrite throughout 	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<ul style="list-style-type: none"> feldspar phenocrysts. pillow interiors contain up to 5%, 0.5-3mm, subhedral, round and hexagonal, dark spots. The spots are typically surrounded by pale green halos. May be chlorite replaced augite or hornblende phenocrysts. locally variolitic on pillow margins. not magnetic, not conductive. downhole contact at last pillow where a 10 cm chloritic interval (similar to selvedge material) grades into grey laminated sediments. 		and veined (1mm, up to 10%).	mafic rock.	
90.14 TO 96.60	Siliceous Sediments «5,E,s,g»	<ul style="list-style-type: none"> light to medium grey with bronze and black. thinly laminated to bedded on a 1-2 cm scale at 65-85°/ca with beds defined by colour changes. rare wacke beds (1-10 cm) with up to 3%, poorly sorted, 0.1-2 mm grains. 10% of interval is comprised of pale grey to cream coloured, poorly banded cherty layers. cm-scale folds (10%) with axial planes subparallel to bedding. {96.11-96.6} «5,g» graphitic argillite with interbedded fine grained wackes and pyrrhotitic beds. Very conductive. poorly graded bed indicates tops (poor) downhole and a scoured bed indicates tops (poor) uphole. many beds/bands are reactant with HCl (6%). downhole contact is at 75°/ca at first appearance of very fine grained, black unit that is gradational into the downhole ultramafic (chill zone?). 	75	<ul style="list-style-type: none"> small pale grey patches of weak to moderate silicification. near downhole contact a 3 cm cherty bed has 'crackle breccia' texture. hairline tension gashes perpendicular to bedding are carbonate-filled. 	{90.14-96.6}- «3% po, tr cpy, py» - 3% sulphides over entire interval.	<ul style="list-style-type: none"> pyrrhotite with lesser pyrite and chalcopyrite disseminated along bedding planes or at low angles to bedding and extending into fractures perpendicular to bedding. rare pyrrhotite clast at 95.2m.
96.60 TO 179.00	Ultramafic «6,b,<Sr>»	<ul style="list-style-type: none"> dark blue-grey to greenish black. medium to coarse grained, fine grained near upper contact, massive. increasingly magnetic downhole into coarser grained intervals. initial 2 metre interval is hard, fine grained, black with fine fractures filled with sulphides and carbonate. Also contains patches of finely disseminated pyrrhotite. May be ultramafic sediment but no banding is observed. Fractures surfaces are graphitic. gradational into softer, coarser grained, more 		<ul style="list-style-type: none"> 2%, 0.2-1 cm wide emerald green serpentine veins at random angles to core axis. locally, serpentinization gives core an emerald green hue. 100-105m - lighter blue-grey, talcose. trace hematite along parting planes in olivines with wisps extending into matrix. 	trace pyrrhotite and pyrite in hairline fractures with carbonate near uphole contact.	

HOLE NUMBER: MAN52-02

DRILL HOLE RECORD

DATE: 03/16/1996

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		magnetic ultramafic rock. - ad- to mesocumulate olivines with 5-10%, white, interstitial altered pyroxenes(?). - olivines are 1-2 mm, have glassy green colour with local magnetite rims. - 20% of grains are subhedral, and black (magnetite altered olivines?).				

HOLE NUMBER: MAN52-02

DRILL HOLE RECORD

LOGGED BY: C.A. Petch

PAGE: 4

Sample	From (M)	To (M)	Legn. (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
AR09728	0.00	0.00	0.00	13	118	<2	0.2	16			9							KRAI	standard
AR09693	34.87	36.04	1.17	165	32	3	0.1	1			40							2,p	
AR09694	36.04	37.06	1.02	258	43	3	0.1	1			61							2,p	
AR09695	37.06	38.22	1.16	55	39	3	0.1	1			49							2,p	
AR09696	52.00	53.54	1.54	58	89	<2	0.1	1			81							2,p	
AR09697	53.54	55.30	1.76	84	61	<2	0.1	1			96							2,p	
AR09698	55.30	56.70	1.40	52	74	<2	0.1	1			75							2,p	
AR09699	56.70	58.18	1.48	55	67	10	0.1	1			63							2,p	
AR09700	58.18	59.08	0.90	22	56	<2	0.1	1			58							6/2,p	
AR09701	59.08	60.00	0.92	43	65	<2	0.1	1			66							2,p	
AR09702	60.00	61.00	1.00	17	35	3	0.1	1			37							2,bx	2% py
AR09703	61.00	61.92	0.92	24	58	<2	0.1	1			49							2,bx/2,p	
AR09704	61.92	63.16	1.24	49	42	<2	0.1	1			48							2,p	
AR09705	68.84	69.77	0.93	62	26	<2	0.1	1			52							2,p	tr po,cpy
AR09706	69.77	71.00	1.23	294	39	<2	0.1	1			146							2,p	
AR09707	71.00	72.50	1.50	55	34	<2	0.1	1			38							2,p	
AR09708	72.50	74.00	1.50	48	27	<2	0.1	1			45							2,p	
AR09709	74.00	75.50	1.50	21	26	<2	0.1	1			28							2,p	
AR09710	83.00	84.02	1.02	113	22	3	0.1	1			50							2,p	
AR09711	84.02	85.09	1.07	23	19	<2	0.1	1			39							2,p	tr po,cpy
AR09712	85.09	86.00	0.91	30	15	<2	0.1	1			34							2,p	
AR09713	86.00	87.09	1.09	217	28	<2	0.1	1			47							2,p	
AR09714	87.09	88.14	1.05	40	14	<2	0.1	1			33							2,p	
AR09715	88.14	89.20	1.06	91	13	<2	0.1	1			21							2,p	
AR09716	89.20	90.14	0.94	239	26	<2	0.1	1			37							2,p	
AR09717	90.14	91.26	1.12	1110	42	<2	0.1	1			141							2,p	
AR09718	91.26	92.30	1.04	750	49	<2	0.1	1			110							5,F	2%po,cpy
AR09719	92.30	93.28	0.98	562	27	<2	0.1	1			57							5,E	2%po,cpy
AR09720	93.28	94.34	1.06	947	45	<2	0.1	1			89							5	aa
AR09721	94.34	95.23	0.89	330	23	<2	0.1	2			83							5,E	aa
AR09722	95.23	96.11	0.88	438	34	<2	0.1	5			90							5,E	aa
AR09723	96.11	96.60	0.49	421	200	<2	0.1	5			164							5,q	2% po
AR09724	96.60	97.65	1.05	328	19	<2	0.1	1			60							6?	0.5% po
AR09725	97.65	98.66	1.01	308	41	3	0.1	1			226							6?	0.5% po
AR09726	98.66	99.47	0.81	121	60	<2	0.1	1			430							6?	
AR09727	99.47	100.46	0.99	73	47	<2	0.1	1			510							6	
AR09729	107.00	108.50	1.50	41	50	<2	0.1	1			825							6	
AR09730	108.50	110.00	1.50	20	45	3	0.1	1			847							6	
AR09731	165.50	167.00	1.50	27	49	<2	0.1	1			2560							6,<Sr>	
AR09732	167.00	168.50	1.50	25	48	<2	0.1	1			2520							6,<Sr>	
AR09733	168.50	170.00	1.50	16	51	<2	0.1	1			2730							6,<Sr>	

HOLE NUMBER : MAN52-02

GEOCHEMICAL ASSAY

DATE: 19/04/1996

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
AR09431	0.00	0.00	0.00	74.54	11.09	0.46	0.51	1.05	7.42	2.46	0.25	0.06	0.03	<0.00	0.77	98.64	120	292		5	130	10		KRAP	9hz	124
AR09420	34.00	37.50	3.50	48.29	13.89	9.42	7.94	2.84	0.22	14.58	0.93	0.10	0.18	0.04	2.39	100.82	20	58		35	65	135		2,p	2hu	111
AR09421	47.00	50.00	3.00	49.72	13.68	9.29	8.59	2.53	0.30	13.14	0.96	0.10	0.19	0.04	2.28	100.82	24	50		75	100	85		2,l	2hu	113
AR09422	56.80	59.08	2.28	27.21	15.64	11.48	10.03	0.44	1.00	16.41	1.34	0.08	0.16	0.05	14.09	97.93	20	304		25	85	85		2,p	2ju	121
AR09423	62.00	65.00	3.00	49.87	14.07	11.57	7.29	3.23	0.42	10.60	0.96	0.08	0.17	0.04	2.40	100.70	22	64		55	35	115		2,p,alt?	2hu	92
AR09424	80.00	83.00	3.00	49.67	14.15	11.14	7.33	2.90	0.30	12.50	0.97	0.10	0.19	0.05	1.68	100.98	22	456		45	35	105		2,p	2ju	99
AR09425	86.00	89.00	3.00	50.29	15.08	10.40	6.12	4.08	0.22	9.94	0.80	0.14	0.15	0.03	3.12	100.37	20	66		50	45	85		2,p,alt	2(h)w	103
AR09426	92.00	95.00	3.00	60.37	16.39	3.69	2.57	5.85	1.76	5.22	0.58	0.12	0.04	0.02	3.70	100.31	12	104		85	25	5		5,E	5S	145
AR09427	96.50	98.50	2.00	65.49	13.85	2.68	1.62	6.81	1.22	2.72	0.35	0.14	0.02	0.03	2.64	97.57	8	110		80	20	80		6?	9jA	129
AR09428	101.00	104.00	3.00	42.91	7.83	5.48	22.10	0.34	0.22	11.15	0.40	0.04	0.15	0.44	10.33	101.39	8	40		25	75	865		6	6J!	130
AR09429	131.00	134.00	3.00	38.17	2.91	2.40	34.45	0.05	0.10	10.37	0.14	<0.02	0.15	0.54	11.49	100.79	2	18		20	50	1695		6	6L!	114
AR09430	161.00	164.00	3.00	37.88	1.93	1.28	38.16	0.04	0.06	8.80	0.09	<0.02	0.13	0.21	12.63	101.23	<2	6		130	15	2325		6,<Sr>	6L!	140

HOLE NUMBER : MAN52-02

GEOCHEMICAL ASSAY

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HOLE NUMBER : MANS2-02

GEOCHEMICAL ASSAYS

DATE: 19/04/1996

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	
AR09431	0.00	0.00	0.00						<5		100	30																		
AR09420	34.00	37.50	3.50						50		100	310																		
AR09421	47.00	50.00	3.00						45		1300	305																		
AR09422	56.80	59.08	2.28						40		700	330																		
AR09423	62.00	65.00	3.00						45		<100	320																		
AR09424	80.00	83.00	3.00						45		100	320																		
AR09425	86.00	89.00	3.00						40		<100	235																		
AR09426	92.00	95.00	3.00						35		7700	90																		
AR09427	96.50	98.50	2.00						15		3900	55																		
AR09428	101.00	104.00	3.00						85		<100	130																		
AR09429	131.00	134.00	3.00						105		500	60																		
AR09430	161.00	164.00	3.00						110		300	50																		

HOLE NUMBER: MANS2-02

GEOCHEMICAL ASSAYS

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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

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

ALTERATION MODIFIERS

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

TEXTURAL/STRUCTURAL MODIFIERS

- oa Tuff(67%<2mm)
- ob Lapilli(2-64mm)
- oc Lapillstone(76%<264mm)
- od Block(>64mm)
- oe Autoclastic
- of Thickly Laminated
- og Thinly Laminated
- oh Clast Supported
- oi Matrix Supported
- oj Granule(grit 2-4mm)
- ok Pebble(4-64mm)
- ol Cobble(64-256mm)
- om Boulder(>256mm)
- on Graded Bedding
- oo Cross Bedding
- op Fault Gouge
- oq Augen
- or Porphyroblastic
- os Hornfels
- ot foliated/sheared
- ou folded
- ov boudinage
- ow fragmental(felsic>mafic)
- ox fragmental(mafic>felsic)
- oy Crystal Tuff(>50% of frags)
- oz Lithic Tuff(>50% of frags)

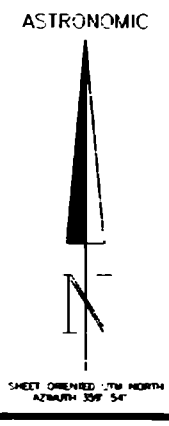
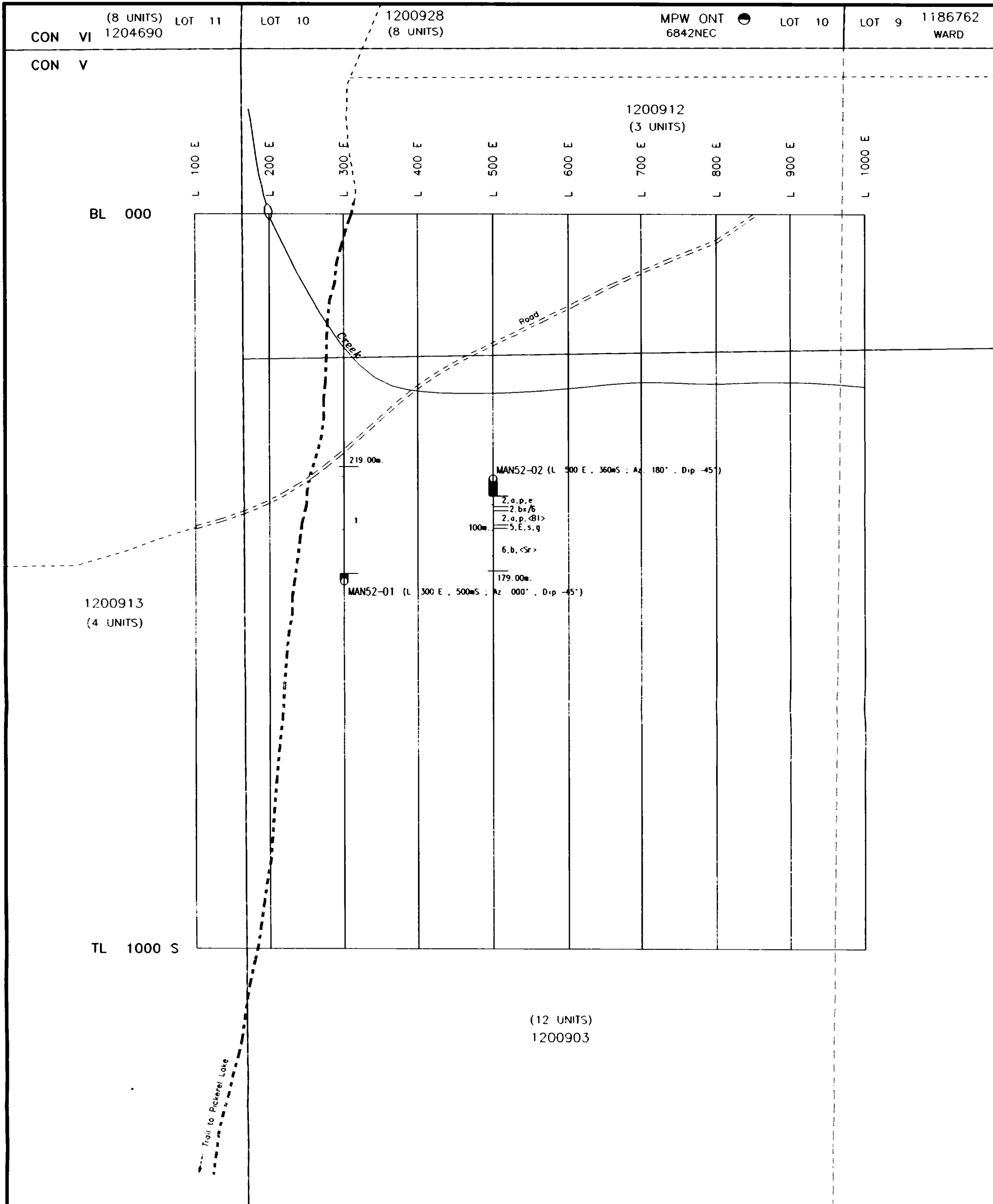
ROCK TYPE

- | | | | |
|-------|----------------------|-------|--------------------|
| <QFF> | Quartzofeldspathic | <ANT> | Anorthosite |
| <QTZ> | Quartzite | <DIO> | Diorite |
| <MAR> | Marble | <PER> | Peridotite |
| <SKA> | Skarn(Calc-Silicate) | <SER> | Serpentinite |
| <PHY> | Phyllite | <DUN> | Dunite |
| <TON> | Tonalite | <PRX> | Pyroxenite |
| <SYN> | Syenite | <LMP> | Lamprophyre |
| <GRA> | Granite | <SST> | Sandstone |
| <MON> | Monzonite | <ARK> | Arkosic sandstone |
| <GRD> | Granodiorite | <WCK> | Graywacke |
| <APL> | Aplite | <CGL> | Conglomerate |
| <FLL> | Felsite | <STL> | Siltstone |
| <QDI> | Quartz Diorite | <ARG> | Mudstone-argillite |
| <GAB> | Gabbro | <EXH> | Chert/exhalite |
| <NOR> | Norite | <OIF> | Silicate IF |

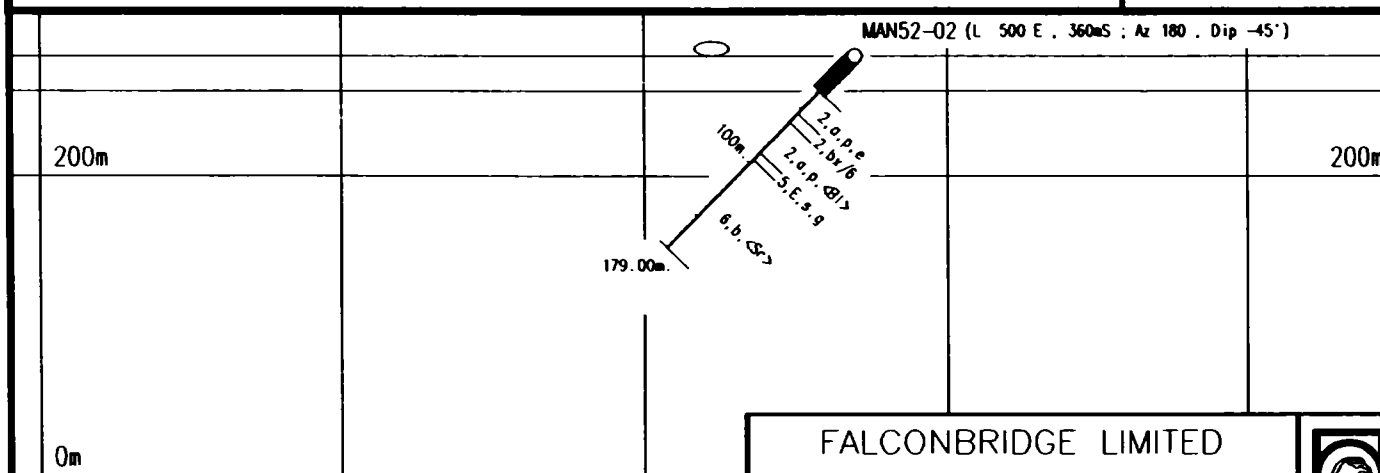
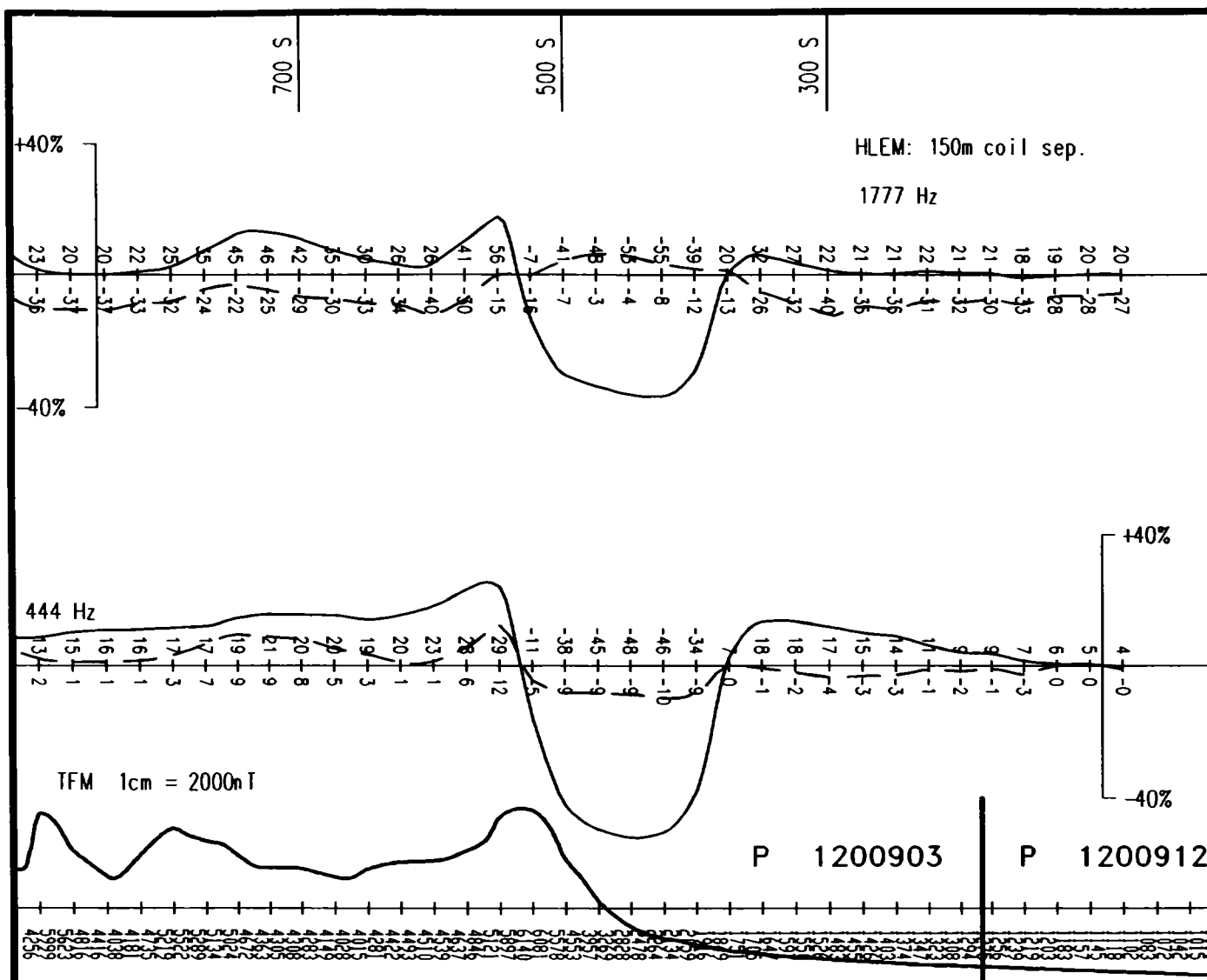
MINERALOGICAL NAMES

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

- | | | | |
|--------|---------------|-------|--------------------------|
| <OIF> | Oxide IF | <UNK> | Unknown Protolith |
| <SIF> | Sulphide IF | <UMF> | Ultramafic |
| <CIF> | Carbonate IF | <MAF> | Mafic |
| <SHA> | Shale | <AND> | Andesite |
| <LST> | Limestone | <DAC> | Dacite |
| <CHM.> | Chem. Precip. | <RYD> | Rhyodacite |
| <SLA> | Slate | <RHY> | Rhyolite |
| <KIM> | Kimberlite | <SCL> | Sulphide Clasts |
| <CAR> | Carbonate | <RWV> | Reworked Volcanic Debris |
| <AMP> | Amphibolite | | |
| <MIG> | Migmatite | | |
| <PEG> | Pegmatite | | |
| <LEU> | Leucocratic | | |
| <MEL> | Melanocratic | | |



FALCONBRIDGE LIMITED		
Exploration Division	Timmins ONTARIO	
MANN BELT PROJECT GRID MAN95-02 MANN TOWNSHIP		
DIAMOND DRILL PLAN		
TRACED	N.W.G. DATE: 09/95	NTS 42-A/14 & 15 PROJECT 8269
DRAWN	N.W.G. DATE 18/09/95	MAP No: FILE MAN9502-
SUPERVISED	P.J. Hogart DATE 15/10/95	SCALE 1:5000 (metres)
REVISED	d.e. DATE 07/02/96	0 40 80 120 160



LEGEND

10	DMBASE	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 TFM

- Regiond HLEM

- AEM 11-12 ch, cond 13 siemens, ch 5 2264 ppm

FALCONBRIDGE LIMITED

Exploration Division

Timmins ONTARIO



MANN BELT PROJECT

DIAMOND DRILL SECTION 500 E
DDH MAN52-02
GRID MAN95-02

Az 180°

MANN Twp.

TRACED PRODES DATE 07/03/96

WTS: 42-A/14 & 15 PROJECT: 8260

DRAWN d e l DATE: 07/03/96

MAP No FILE: 8260 AR

SUPERVISED P. J. Magerl DATE: 24/01/96

SCALE 1:5 000 (metres)

REVISED DATE:





Norex Drilling Limited

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

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

February 19, 1996

Invoice #F96220
Page 1 of 2

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

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Fax (705) 235-2806

February 19, 1996

Invoice #F96220
Page 2 of 2

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

EAST ONTARIO
DRILLING PERIOD - FEBRUARY 1-15/96

<u>HOLE #MAN-54-01, Casing 48m</u>	
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
<u>HOLE #MAN-? , Casing 30m</u>	
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
<u>INVOICE TOTAL:</u>	<u>\$43,687.23</u>

THANK YOU

- ROAD BUILDERS
- ALL TYPES OF AGGREGATES
- EQUIPMENT RENTALS
- CONTRACT CRUSHING
- FLOAT SERVICE

MLJ LABELLE CO. LTD.



Contractors

FAX (705) 272-6005
 Telephone (705) 272-4201
 17-1st St. - P.O. Box 610
 COCHRANE, ONT.
 P0L 1C0

INVOICE

96-102

SOLD TO

Falconbridge Ltd.
 P.O. Box 1140
 571 Moneta Ave.
 Timmins, ON
 P4N 7H9

FAXED
 Feb. 15/96

Jan. 31 19 96

Please Pay from INVOICE - Statement sent only on request

CUSTOMER'S ORDER No. _____

DATE	Terms: Net 30 days - 1 1/2% Interest Per Month Charged On Past Due Accounts	RATE	DEBIT	CREDIT
1996	Rental of equipment for snow removal at Potter and Dunns Lake Area			
an. 29-30	3 1/2 Hours - Truck & Float	@ 85.00	297.50	
an. 29-30	13 Hours - Cat 140 Grader	@ 85.00	1,105.00	
an. 30-31	15 Hours - Cat D7G Dozer	@ 90.00	1,350.00	
	G.S.T.		2,752.50	
			192.68	
			<u>\$2,945.18</u>	

GST Reg. # R103721759

PITS & QUARRIES THROUGHOUT THE COCHRANE DISTRICT

OASIS PARK MOTEL

Hwy. 11,
Tunis, Ont.
P.O. Box 640,
Iroquois Falls, Ont.
POK 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

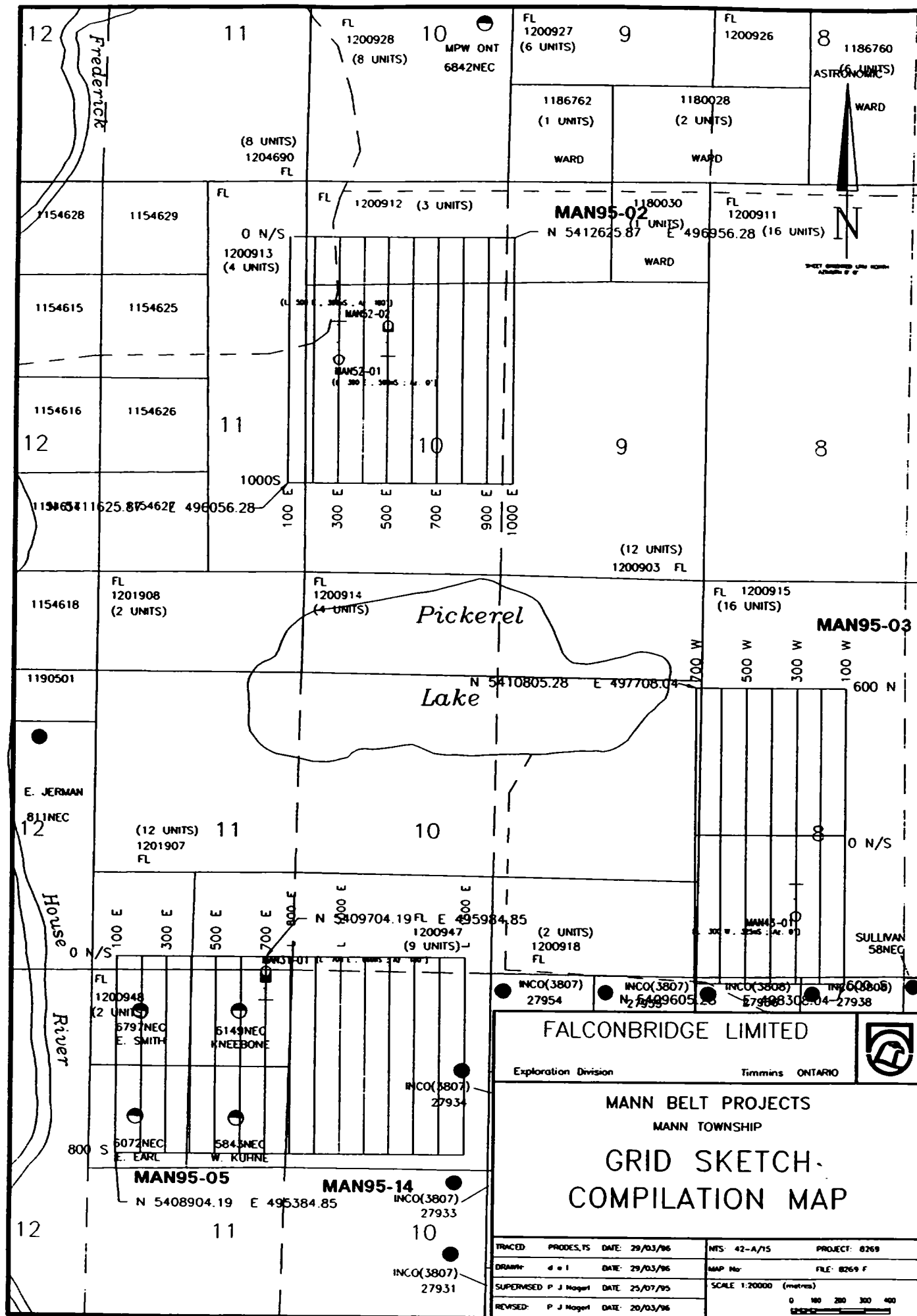
2 @ \$800.00.....\$1600.00

Thank You!



OASIS PARK MOTEL
Phil Tessier, Owner

C. Petel
PN# 8269
Feb. 20, 1996





Report of Work Conducted After Recording Claim

Transaction Number

W9660 J0325

Mining Act

DDH MA52-02 Grid MAN95-02

Personal information collected on this form is obtained under the authority of this collection should be directed to the Provincial Manager, Mining Law, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7264.



42A14SE0032 W9660-00325 MANN

900 3

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

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No. 130679
Address 571 Moneta Ave. P.O. Box 1140 Timmins, Ont. P4N 7H9		Telephone No. (705) 267-1188
Mining Division Porcupine	Township/Area MANN	M or G Plan No.
Dates Work Performed From: FEBRUARY 9, 1996		To: FEBRUARY 11, 1996

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	Diamond drill hole(s) MA52-02 (179m)
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

RECORDED
 APR 25 1996

Total Assessment Work Claimed on the Attached Statement of Costs \$ **15134**

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 April 12/96	Recorded Holder or Agent (Signature) <i>C. Petz</i>
--	----------------------------	--

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 PETZ 571 Moneta Ave. P.O. Box 1140 Timmins Ont. P4N 7H9		
Telephone No. (705) 267-1188	Date April 12/96	Certified By (Signature) <i>C. Petz</i>

For Office Use Only

Total Value Cr. Recorded 15,134	Date Recorded	Mining Recorder	 (cl) APR 25 1996 TB PORCUPINE MINING DIVISION
	Deemed Approval Date <i>July 27/96</i>	Date Approved <i>July 27/96</i>	
	Date Notice of Amendments Sent		

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
 66 9620 00325

DDH MAN52-02
 Grid MAN95-02

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, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	750	
	Field Supervision Supervision sur le terrain	450	1200
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert conseil	Type Drilling		Invoice # F96220
	MAN52-02	12484	12484
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type Truck	200	
	Snowmobile	50	
Total Direct Costs Total des coûts directs			250 13934

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	50	
	Labelle	1000	
Sub Total of Indirect Costs Total partiel des coûts indirects			1050
Food and Lodging Nourriture et hébergement	Oasis Hotel	100	
	Oasis Rest.	50	150
Mobilization and Demobilization Mobilisation et démoblisation			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			13934
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)			15134

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

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

Filing Discounts

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

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

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

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

Certification Verifying Statement of Costs

I hereby certify that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as C. PETCH I am authorized
 (Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

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

Et qu'à titre de _____ je suis autorisé
 (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature C. Petch Date April 12/96

