HOLE NUMBER: MAN23-01		FALCONBRID DRILL HO	GE LIMITED LE RECORD	DATE: 10/26/1998 IMPERIAL UNITS: METRIC UNITS: X
PROJECT NAME : SCHUMACHER	PLOTTING C	OORDS GRID: UTM	ALTERNATE COORDS GRID: FL'98 Grid	COLLAR DIP: -44° 0' 0"
PROJECT NUMBER: 8290		NORTH: 5407175.00N	NORTH: 96+10N	LENGTH OF THE HOLE: 156.00M
CLAIM NUMBER: 543 NEC		EAST: 499270.00E	EAST: 92+ 0E	START DEPTH: 0.00M
LOCATION: Schumacher Option		ELEV: 290.00	ELEV: 290.00	FINAL DEPTH: 156.00M
	COLLAR ASTRONO	MIC AZIMUTH: 200° 0' 0"	GRID ASTRONOMIC AZIMUTH: 20° 0' 0"	
DATE STARTED: 09/15/1998	COLLAR SURVEY: NO		PULSE EM SURVEY: NO	CONTRACTOR: Norex
DATE COMPLETED: 09/16/1998	RQD LOG: NO		PLUGGED: NO	CASING: 15m
DATE LOGGED: 09/16/1998	HOLE MAKES WATER: NO		HOLE SIZE: BQ	CORE STORAGE: Kidd Mine Site
				UTM COORD.:

COMMENTS : To test mag high portion of HLEM conductor 'F'. WEDGES AT: hit 2.9m of graphite at 12.0m.

DIRECTIONAL DATA: 0.14% Zn over 0.70m at 26.8m.

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33° 0' 0" - 55° 0' 0" - 0° 0' 0" - - - - - - - -	45°30' 0" 45°30' 0"	S S S - -	OK OK too faint OK - -		- - - -		-		$h_{\mathbb{C}}$
0° 0' 0" -	45°30' 0"	S	too faint OK	-	-	-	-	-	
			OK	-	-	-	-	-	
)9° 0' 0" - - - - -	46°0'0" - - -	S - -		-	-				
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HOLE NUMBER: MAN23-0

DRILL HOLE RECORD

DATE: 10/26/1998

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ORE NOWBER: MA	2023-01		DRINE HOMA RECORD		DAID: 10/20/1998
	OCK YPE TEXTURE AND STRUCTURE	ANGLE TO CA	•	MINERALIZATION	REMARKS
0.00 « ob TO 5.00	 	 			casing was extended to 15.0m because of very poor ground conditions.
5.00 «5E,b TO 12.00 	<pre>bx> Chert? - very poor core recovery, core is grounded and rubbly. Most fracture surfaces have rusty Fe-oxide coating. Unit varies from mottled very siliceous chert in upper portion to poorly developed fragmental (agglomerate?) to well developed bx texture. sulfs common.</pre>	ł		trace to 3% py,po and some wheathered sulfs as fine disseminations and as small 1-3mm irreg. blebs commonly along fractures.	
12.00 «5g» TO 14.90	Downhole contact lost in the rubble. Graphitic Argillite - similar poor core recovery broken, ground, rubbly core. Common wheathered out carb portions. Unit is typicaly very fine black massive very conductive graphitic argillite; some sulfs. 14.3-14.7: more silicous grey band (@ 30CA) with sulfs. Downhole contact broken and lost.			trace-5% py as irreg. blebs along fractures in graphite; some earthy rusty sulfs (sph?) especially in siliceous band (@ 30CA) near end of unit.	
14.90 «4t,* TO 26.80			locally weak sericite alteration associated with cream coloured matrix portions (i.e.18.8-19.3m).	1-3% po,py (sph?) throughout most of unit as massive aggregates in groundmass of fragmental; locally concentrating upto 5-8% sulf over 15-20cm. Earthy rusty sulf (sph?) common in lower half of unit.	
	Sulfs common in groundmass.				

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FROM		<u>,</u>	12000-	, <u></u>	1 1	
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE		MINERALIZATION	REMARKS
TO 26.80 TO 33.00		TEXTURE AND STRUCTURE	TO CA	ALTERATION sericite alteration as bleached bands in matrix-rich bx sections.	6-8% po,py locally as very fine sulfs over narrow intervals (10-20cm). some isolated sub-rounded po blebs, frags? in bx sections. some fracture-controlled po blebs upto 1x3cm.	REMARKS
33.00 TO 37.70	≪5a,si»	<pre>80-90CA. Siliceous Sediments - very fine grained, dark green bedded @ 70CA massive sediment. Non-magnetic; non-conductive (except for weakly conductive argillite (20cm) argillite bed at top of unit. 36.1-37.7:distinctly more siliceous bleached pale green/cream - volcanic?. Downhole contact sharp @ 70CA.</pre>	70		trace-2% py,po as fine fracture controlled blebs.	
37.70 TO 91.50	≪41,m,D,E»	Feldpar-phyric Felsic Flows - series of numerous fine to porphyritic dark green generally massive flows, alternating with strong, distinct creamy chert/siliceous beds.		some narrow cream coloured alteration bands.	1-5% very fine disseminated sulfs over narrow intervals.	

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FROM	ROCK		ANGLE			
	TYPE	TEXTURE AND STRUCTURE	TO CA	ALTERATION	MINERALIZATION	REMARKS
		flows are weakly magnetic. 41.1-55.8: section is 60:40 mix of alternating fine massive flows with siliceous cherty flow tops? or interflow sediments. Flow are generally 1.5-2.0m thick and cherty portions are upto 1m; contacts are sharp at all CA's. some sulfs.			 1-4% po,py as very fine disseminations. No sulfs in cherty portions. 	
		<pre>59.5-63.3: thick chert (flow top?) section. 63.3-75.6: thick porphyritic flow section, some internal flow contacts, very narrow chert bands, mottled sections, weakly altered; generally trace sulf.</pre>				
		75.6-76.6 & 78.8-79.4: alternating cream/black chert bands with wispy banding @ 35CA. (structural?mylonitic?).				
		79.4-84.7: generally very uniform, massive with well developed felpspar-phyric texture.				
		84.7-90.6: halo to fault. gradual increase in shearing (@ 50CA) and carb veining.		, ,		
		90.6-91.5: very strong cataclastic textures and veining.				
91.50 TO	«FLT»	Fault - core of fault/shear zone.	70			
92.70		90.5-90.7: Gouge - strongest portion of zone, section is pure mud, clay gouge with pebbles; @ 70CA.				
		rest of section is broken, blocky core of very shear and veined flow material. many surfaces with clay gouge coatings.			 	
		 trace po,py blebs along shearing. 				
 		gouge is weakly conductive. Downhole contact marked by first	1 			

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LOGGED BY: R. Foy

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		fractured/sheared cherty section.		· · · · · · · · · · · · · · · · · · ·		
92.70 TO 99.20	«5a,FLT»	Fault Zone Sediments - mottled fractured, sheared; broken, blocky core; argillite interbedded with some graphitic horizons and upper chert section (to.93.8m). 92.7-99.2: very sheared, veined broken section.			1 1 1 1 1	
		99.1: 4cm pure black clay band @ 90CA.				
99.20 TO 130.30	≪5,F≫	Wacke - unit is predominately well sorted sandstone interbedded with finer argillaceous and cherty beds; upper portion of unit hosts several clasts of various material including argillite and feldspar-phyric felsic volcanic.				
		occassional clasts upto 1cm in lower portion of unit (from 104m onward).				
		 Bedding @ 80-90CA. Locally disrupted, mottled. 			1	
		99.2-100.9: mixed section of alternating argillite and dark chert beds.				
		100.9-102.8: wacke hosts clasts of varying size (upto 15cm) and compositition; some pyrite grains.				
		103.0-103.6: graphitic argillite bed with 5-8%py,po. up hole contact along carb filled shear? band @ 10CA, lower contact sharp @ 80CA.				
		<pre>104.0: example of graded bed? contact - bed starting at 104.0m grades finer downhole into a series of finer partings (beds) at 104.2. Indicates an overturned sequence.</pre>				
		 108.6-111.6: cherty section @ 70-80CA.				

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ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	111.6-130.3: well developed undisrupted bedding features; contacts @ 80CA at top of section and increasing gradually to 45CA in lower part of section. some fracturing, some trace sulfs. common beds with 10-20% 2-4mm black angular argillite chards speckled throughout bed. Downhole contact very abrupt; core broken blocky on fault side on contact, could not get contact angle.				
«FLT»	Fault - stronger than previuous fault, much more gouge and clay through section; host is (was) a graphitic argillite; section is now 30% fine black clay gouge, remainder is fault bx with matrix of fine black clay gouge. Fault angle is 70-90CA. Fault is variably conductive over cms. 132.8: argillite/dark fractured bx'd contact @ 80CA. Downhole contact is last of strong clay gouge material.	70			
«41,D»	<pre>Feldspar-phyric Flow(?) - similar unit as previous; 10-15% 1-4mm sub-hedral feldpar grains in dark matrix. 133.2-136.8: very sheared, altered and bleached; very gradually becoming less so toward 136.8. Quartz-phyric section over narrow interval (133.3-134.2). 136.8-146.6: generally uniform and consistent, very few disruptions; some fracturing, some carb veining.</pre>				
	<pre> «FLT» </pre>	 TYPE TEXTURE AND STRUCTURE 111.6-130.3: well developed undisrupted bedding features; contacts @ 80CA at top of section and increasing gradually to 45CA in lower part of section. some fracturing, some trace sulfs. common beds with 10-20% 2-4mm black angular argillite chards speckled throughout bed. Downhole contact very abrupt; core broken blocky on fault side on contact, could not get contact angle. *FLT> Fault - stronger than previuous fault, much more gouge and clay through section; host is (was) a graphitic argillite; section is now 30% fine black clay gouge, remainder is fault bx with matrix of fine black clay gouge. Fault angle is 70-90CA. Fault is variably conductive over cms. 132.8: argillite/dark fractured bx'd contact @ 80CA. Downhole contact is last of strong clay gouge material. *41,D> Feldspar-phyric Flow(?) - similar unit as previous; 10-15% 1-4mm sub-hedral feldpar grains in dark matrix. 133.2-136.8: very sheared, altered and bleached; very gradually becoming less so toward 136.8. Quartz-phyric section over narrow interval (133.3-134.2). 136.8-146.6: generally uniform and consistent, very few disruptions; some fracturing, some carb 	TYPE TEXTURE AND STRUCTURE TO CA 111.6-130.3: well developed undisrupted bedding features; contacts @ 80CA at top of section and increasing gradually to 45CA in lower part of section. some fracturing, some trace sulfs. common beds with 10-20% 2-4mm black angular argillite chards speckled throughout bed. Image: Common beds with 10-20% 2-4mm black angular argillite chards speckled throughout bed. Obwhole contact very abrupt; core broken blocky on fault side on contact, could not get contact angle. 70 Fault - stronger than previuous fault, much more gouge and clay through section; host is (was) a graphitic argillite; section is now 30% fine black clay gouge, remainder is fault bx with matrix of fine black clay gouge. 70 Fault angle is 70-90CA. Fault is variably conductive over cms. 132.8: argillite/dark fractured bx'd contact @ 80CA. Downhole contact is last of strong clay gouge material. e41,D> Feldspar-phyric Flow(?) - similar unit as previous; 10-15% 1-4mm sub-hedral feldpar grains in dark matrix. 133.2-136.8: very sheared, altered and bleached; very gradually becoming less so toward 136.8. Quartz-phyric section over narrow interval (133.3-134.2). 136.8-146.6: generally uniform and consistent, very few disruptions; some fracturing, some carb	TYPE TEXTURE AND STRUCTURE TO CA ALTERATION 111.6-130.3: well developed undisrupted bedding features; contacts # 80CA at top of section and increasing gradually to 45CA in lower part of section. some fracturing, some trace sulfs. common beds with 10-201 2-4mm black angular argifilite chards apeckled throughout bed. Image: Contact very abrupt; core broken blocky on fault side on contact, could not get contact angle. Image: Contact very abrupt; core broken blocky on fault side on contact, could not get contact angle. •FUT> Fault - stronger than previous fault, much more gouge and clay through section; host is (was) a graphitic strighlite; section is now 304 fine black clay gouge, remainder is fault bx with matrix of fine black clay gouge. 70 Pault angle is 70-90CA. Image: Sole Strong clay gouge material. Image: Sole Strong clay gouge material.	TYPE TEXTURE ND STRUCTURE TO CA ALTRANTION MINRRALIZATION 111.6-130.3: well developed undisrupted bedding fratures; contacts # 90CA at top of section and increasing granully to 45CA in lower part of section. some fracturing, some trace sulfs. Image: Section and Sectio

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HOLE	NUMBER :	MAN23-	01
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		section. interflow?.				
		150.0-150.3: wacke - good bedding @ 60CA.				
		150.3-152.0: disrupted seds?				
1						
156.00	«EOH»					1
TO 156.00						1
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HOLE NUME	BER: MAN23-01			DRILL HOLE RECORD	LOGGED B	Y: R. Foy PAGE: 7

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LOGGED BY: R. Foy .

Sample	From (M)	То (M)	Leng. (M)	Cu ppm	Zn ppm			Au ppb	Ag (ppm	u/Zn Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	8 8	* *	₹ 10	8 8	*	p Est.Gn %	RUCK	TYPE	Comme	ents
T08339	5.00	8.00	3.00	65	41	4	71	3				<u> </u>	0.8	35							 						
T08340	8.00	11.00	3.00	123		5	55	<2					1.2														
T08341	11.00	14.00	3.00	201		1030	44	343					2.1														
T08342	14.00	14.30	0.30	526		536	47	113					2.1														
T08343	14.30	14.70	0.40	1550		436	140	69					5.7			•											
T08344	14.70	15.00	0.30	2030		211 128	163	79					5.8														
T08345 T08346	15.00 16.00	16.00 17.00	1.00	735 610		92	109 132	51 31					5.1 5.2														
T08347	17.00	18.00	1.00	462		108	144	48					5.4														
T08348	18.00	19.00	1.00	556		79	108	3					5.3														
T08349	19.00	20.00	1.00	2350		113	200	27					7.4														
R07523	20.00	21.00	1.00	4600		175	371	27					14.1														
R07524	21.00	23.00	2.00	398	3010	12	209	3					1.9														
R07525	23.00	24.50	1.50	91	649	7	91	3	0.2				1.7	79													
R07526	24.50	25.00	0.50	106	284	7	78	3	0.2				2.4	19													
R07527	25.00	26.00	1.00	256	681	8	81	<2	0.3				2.9	91													
R07528	26.00	26.80	0.80	75	311	5	78	<2	0.6				1.9														
R07529	26.80	27.50	0.70	275		19	117	27					4.(
R07530	28.70	29.70	1.00	148		3	81	10					1.8														
R07531	29.70	30.50	0.80	105		3	61	10					1.4														
R07533	38.80	40.70	1.90	490		2	77	<2					2.3														
R07534	40.70	41.10	0.40	283	56	4 2	75	10 7					3.1														
R07532 R07535	43.70	44.70 97.60	1.00 0.30	202		2	69 72	10					1.3														
R07536		100.70	1.10	73		5	94	10					2.1														
R07537	100.70		0.30	70		8	51	21					3.5														
R07538	101.00		0.40	45		7	48	<2					3.1														
R07539	103.00		0.60	125		9	91	14					2.9		1												
R07540	104.40		0.30	52		6	30	10					2.6														
R07541	119.10		0.30	15	38	12	21	3	0.4				4.	77													
R07542	125.20	125.50	0.30	303	54	14	60	106	0.3				10.9	55													
R07543	134.90	135.30	0.40	67	138	9	47	51	0.3				3.1	70													
R07544	146.60		0.60	190		27	51	31					5.2														
R07545	147.20		1.00	84		530	28	3					1.1														
R07546	148.20		1.00	168		10	54	3					3.														
R07547	149.20	150.00	0.80	77	35	6	55	17	0.3				1.1	75													
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	BER : MAN	23-01									GEOCI	HEMICAL	ASSAY												1	DATE: 26/10/1998
Sample	From (M)	To (M)	Leng. (M)	SI02	AL203 %	CAO %	MGO ¥	NA20 %	K20 %	FE2O3 %	T102 %	P205 %	MINO %	CR203 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
U00360	5.00	8.00			12.19					1.89	0.34	0.06	0.02		0.97		10	80		15	30	50	1205		4,9jA	178
U00361	24.00				13.54	4.71	4.55	3.45	0.83	6.96	0.46 0.29	0.20 0.14	0.13 0.02		5.59 1.97	99.54	10 5	110 120		85 25	480 15	70 15	615 390		4,9jA 4 0≓⊅	151
U00362 U00363	51.00	37.70 53.00			15.77 19.48	1.56 6.06	0.67 3.27		1.91	1.35 6.58	0.29	0.14	0.02			99.59 99.58	15	120		115	70	75	410		4,9jA 3,8j	172 152
U00364	54.00	55.50		••	13.18	2.55	1.45	4.80		2.39	0.26	0.08	0.04			99.49	5	100		<5	5	30	805		4,9jA	163
U00365		84.00			16.28	6.27	3.84	4.69	1.88	5.61	0.41	0.20	0.10			99.58	10	100		10	60	50	420		4,9jA	127
					14.74	4.29	2.82	4.02	2.48	3.56	0.36	0.09	0.08			99.36	5	100		<5	70	20	360		4,9jA	137
	133.30 147.00				15.24 15.29	1.31	0.70	4.78		3.19 3.78	0.32	0.06 0.08	0.01 0.03			99.46 99.46	5 5	110 100		45 70	295 30	30 15	415 300		4,9jA 4,9jA	193 210
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DATE: 26/10/1998

HOLE NUMB	IBER : MAN	123-01											IEMICAL .																	26/10/19	
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	
AU00360 AU00361 AU00362 AU00363 AU00364 AU00365 AU00365	36.10 51.00 54.00 81.50	 27.00 37.70 53.00 55.50 84.00) 1.60) 2.00) 1.50) 2.50							15 20 5 20 10 15 5		0.34 2.83 0.25 0.89 0.02 0.18	75 115 35 125 60 100 65																		
AU00366 AU00367 AU00368	133.30) 134.20	0.90	1						5 10 5		0.19 1.33 1.09	65 40 50																		
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HOLE NUMB	BER MA	<u></u>		<u> </u>			<u></u>					GEOCI	HEMICAL	ASSAYS			<u></u>	<u></u>					<u></u>						PAGE :	10	

GEOCHEMICAL ASSAYS

DATE: 26/10/1998

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MIN PPM	GA PPM	GE PPM	IN PPM	tl PPM	SC PPM	BR PPM	MGO#	CA/AL N	I/MGO I	SHIKW Z	N/NA2
	24.00 36.10 51.00 54.00 81.50	27.00 37.70 53.00 55.50 84.00 124.00 134.20	3.00 1.60 2.00 1.50 2.50 2.00 0.90														<5 <5 <5 <5 <5 <5 <5 <5 <5 <5						5 10 5 10 5 10 5 5 5		0.54 0.59 0.62 0.65 0.34	0.35 0.10 0.31 0.19	53 15 22 23 21 13 7 43 13	27 40 35 32 23 34 39 29 44	8 139 3 14 1 13 17 62 9
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HOLE	NUMBER	:	MAN23-01
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DATE: 26/10/1998

	BER : MAN	23-01				GEOCHEMICAL ASSAYS	DATE: 26/10/1998
Sample	(M)	To (M)	Leng. (M)	YB PPM	NB PPM		
AU00360 AU00361 AU00362 AU00363 AU00364 AU00365 AU00366 AU00367 AU00368	5.00 24.00 36.10 51.00 54.00 81.50 122.00 133.30	37.70 53.00 55.50 84.00 124.00 134.20	3.00 1.60 2.00 1.50 2.50 2.00 0.90	A	30 20 20 10 10 10 10		

HOLE NUMBER: MAN23-01

HOLE NUMBER: MAN24-05		FALCONBRIDGE DRILL HOLE		DATE: 10/26/1998 IMPERIAL UNITS: METRIC UNITS:
PROJECT NAME: SCHUMACHER PROJECT NUMBER: 8290	PLOTTING C	OORDS GRID: UTM NORTH: 5407240.00N	ALTERNATE COORDS GRID: FL'98 Grid NORTH: 98+40N	COLLAR DIP: -47° 0' LENGTH OF THE HOLE: 152.00M
CLAIM NUMBER: 485 NEC LOCATION: Schumacher Option		EAST: 499725.00E ELEV: 294.00	EAST: 96+ 0E ELEV: 294.00	START DEPTH: 0.00M FINAL DEPTH: 152.00M
	COLLAR ASTRONO	MIC AZIMUTH: 190° 0' 0"	GRID ASTRONOMIC AZIMUTH: 20° 0' 0"	
DATE STARTED: 09/10/1998 DATE COMPLETED: 09/12/1998 DATE LOGGED: 09/12/1998	COLLAR SURVEY: NO RQD LOG: NO HOLE MAKES WATER: NO	:	PULSE EM SURVEY: NO PLUGGED: NO HOLE SIZE: BQ	CONTRACTOR: Norex CASING: 9.0m CORE STORAGE: Kidd Mine Site UTM COORD.:

COMMENTS : to test mag high portion of HLEM conductor 'C'. WEDGES AT: hit 6.8m of graphite at 48.4m, & 2.5m at 61.4m.

DIRECTIONAL DATA: 0.21% Zn over 0.50m at 81.3m.

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Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
20.00	191° 0' 0"			ок			_	,	-	-	
70.00	199° 0' 0"			OK		-	-	-	-	-	
100.00	209° 0' 0"	-48° 0' 0"	S	OK		-	-		-	-	
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						DRILL HOLE RECORD					LOGGED BY: R. Foy PAGE

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HOLE NUMBER: MAN24-05

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DRILL HOLE RECORD

DATE: 10/26/1998

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 7.80	«- ob -»					
7.80 TO 24.50 	«6»	Ultramafic fine grained, dark to locally pale, highly fractured, veined and disrupted increasing significantly at 16.7m to end of unit. Magnetitic - Magnetite common with serpentinite throughout unit. Downhole contact sharp @ 45CA.	45	common strong serpentinite with magnetite developed along fractue/slip surfaces, one particullary strong set @ 20-30 CA. Increase in carbonate veining at 16.7m, commonly develop as 5-15cm wide semi-massive bands @ 70-80 CA, bx'd.	<pre> nil. </pre>	
24.50 TO 31.40	«7»	Gabbro - medium to fine grained, light green, salt 'n pepper textured gabbro. Massive fine and medium grained sections are seperated by disrupted carb-mag ultramafic bands @ 80-90CA in up hole portion of unit (i.e.25.2-25.3m) and siliceous felsic volcanic ? sections (xenos?) in lower portion of unit.		common fine carb veinlets @ 20-30CA and carb veins (upto 1cm) @ 60-90CA.	nil 	
		 Downhole contact very sharp @ 50CA. 	50			
31.40 TO 34.00	«4,a,bx,?»	Felsic Volcanic? - fine grained, pale/light green, fracture, bx'd disrupted. Texture of unit varies from fine massive to odd bx? section of 70% 0.5cm sub-rounded quatrz-sericte fragments in a fine silicous matrix.		some fine carb veinlets throughout. Local chlorite and/or sericite along fractrues and bands.	 nil. 	
		Downhole contact distinct @ 40CA.	40			
34.00 TO 48.40 	≪5,a,Si»	<pre>Siliceous Sediment - Unit is mix of 75% fine,dark variabley siliceous sediment locally bx'd and disrupted, and 25% pale cherty sediment, locally finely laminated but generally bx'd/fractured. 45.8-46.0: 5g bed - brocken blocky core of conductive bx'd graphitic arg. bed with carb.</pre>	40	some fine carb veinlets. some to minor amounts of chloritic alteration.	<pre>34.3-34-8: 3-4% po as irreg. 2-4mm blebs in bx'd cherty portion. 41.4-42.2: 4-5% po as round 2cm blebs (frags?) and as 2-3mm fracture controlled stringer in dark, massive, fine siliseous argillite/chert?.</pre>	
		 46.3: 7cm fault zone with clay gouge margins @			46.5: isolated 3cm round po bleb.	1

HOLE NUMBER: MAN24-05

HOLE	NUMBER :	MAN24-05

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DRILL HOLE RECORD

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS
		60CA. Downhole contact is very sharp @ 40CA			47.3-47.8: 1% po as fracture controlled blebs up to 3mm.	
48.40 TO 55.20	≪5g»	Graphitic Argillite - very fine, jet black, massive with some narrow bedding sections @ 45CA. Unit is blocky, broken with strongly developed graphite on fracture surfaces. Some 2-3cm whitish beds are sometimes disrupted.		some 2-4mm carb veins though upper portion of unit @50-70CA.	some isolated py blebs up to 2x2cm; some fracture controlled py in blocky section at 48.4-48.8m.	
		very conductive throughout. Downhole contact sharp @ 10CA.	10			
55.20 TO 61.40	«5,a»	Sediment - mixed unit of 50% wacke? and 50% argillite (nonconductive) in sections of 30cm to >1.0m. Typically disrupted, not bedded, fractured with locally narrow 6-8cm bx bands with carb matrix. porportion of wacke increasing in bottom of unit where it is more massive.		1	56.3-57.0: 3-5% po as irreg. blebs (2-4mm) in wacke portion.	
61.40 TO 63.90	≪5g>	Downhole contact blocky, broken. Graphitic Argillite - very fine, paler (ash?) in upper portion gradually becoming jet black in bottom 50cm. Downhole contact very sharp @ 70CA.	70		63.5-63.9: 5% py as wispy blebs along bedding partings.	
63.90 TO 71.40	«3,*a»	Siliceous Tuff - Unit is very massive, uniform, very fine pale to darkish grey with 20-30% 1-2mm tuffaceous frags? speckled throughout at a perfered orientation of about 70CA. minor sulphides.			69.4-70.0: 1-2% po,py as fine grains and aggregates up to 4m.	
1		Downhole contact sharp @ 50CA	50			

HOLE NUMBER: MAN24-05

DRILL HOLE RECORD

					DAIE: 10/26/1998
ROM ROCK TO TYPE	TEXTURE AND STRUCTURE	ANGLE		MINERALIZATION	REMARKS
1.40 «5,a,F» TO 9.60	Wacke, Argillite - mixed unit of 65% massive fine siliceous wacke interbedded with fine dark no n-conductive argillite portions. Wacke is slightly magnetic. Some sulphides. Downhole contact ghostly @ 10?CA.			2-4% po,py throughout most of unit as small 2-4mm irreg. blebs along fractures and as 1cm vuggy veinlets, and as specks throughout wacke portions.	
9.60 *5,*a TO 8.30	<pre>Tuffaceous Sediment - unit is mix of poorly bedded (reworked?) very fine black somewhat siliceous to locally graphitic tuffaceous argillite material and some massive tan wacke beds and some more ash-looking portions. 1-2mm whitish tuff frags speckled irregullary throughout, as are fine white carb veinlets and hairline fractures. Sulphides common.</pre> Some obvious bedding contacts generally @ 50-60CA. Graphitic beds occur over narrow intervals - i.e. 81.8-82.1m, 96.1-96.4m, 100.5-100.8, 106.4-106.7m. One wacke bed of note: 84.8-86.3m is massive, slightly magnetic, speckled with fine sulphide blebs and has sharp contacts @ 20-30CA both upper and lower. 97.7-100.3: thick tuffaceous bed, massive. 100.3-108.3: unit is less tuffaceous and more clastic; alterating 0.5-1.5m beds of wacke and argillite; faint bedding in wacke @ 60-70CA; bedding in argillite @ 70-80CA. Downhole contact arbitrary at end of predominately very fine black portion and start of lighter more felsic looking section.	60	<pre>some portions have 10-20% irreg. .5-2cm patches of epidote? hosting some fine po - 80.0-81.5m. some fine and narrow (5mm) carb vein(lets) through most of unit.</pre>	<pre>po is speckled throughout most of unit comprising up to 5% over 20cm as roundish 1cm blebs "floating" in black matrix (frags?) some with wispy shape oriented along general bedding direction @ 50-60CA. Sulfs often associated with 1-2mm accute whitish cystal (tuff frags??). Also in fractures with carb. 81.4: small bleb of cpy.</pre>	

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DRILL HOLE RECORD

DATE: 10/26/1998

	JUK. PUM24 05					DATE: 10/20/1998
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS
108.30 TO 116.20	«4,D»	Feldspar-phyric Felsic Flow - mottled siliceous mixed unit of 3-15% 2-3mm feldspar? cystals speckled irregularly throughout; mottled portions of fine black mixed with bleached altered yellow/green portions. core is ground, broken, blocky. Downhole contact distinct and sharp @ 60CA.	60	mottled bleached yellow-green sericite? alteration throughout. minor fine carb hairline fracts.	trace. 115.9-116.2: 1x3cm massive po bleb associatedwith disrupted carb fractures.	
116.20 TO 125.10	≪5,E,F>	Sediments - distinct change in texture and appearence; unit is alterating generally undisrupted beds of wacke and chert and some narrow argillite sections; unit is predominately siliceous with locally faint mottled texture over narrow intervals. Bedding contacts distinct @ 60-70CA. Wacke beds are weakly magnetic. Downhole contact at argillite/felsic volcanic contact; angular argillite "rip-ups" in volcanic.		some carb vein(lets).	irreg. 5-8mm sulf blebs associated with some carb veins; interesting 3cm graded sulf bed of about 60% sulf in wacke.	
125.10 TO 127.10	«4a»	Felsic Volcanic? - fine, yellow-green, mottled fractured, veined volcanic. distinct unit from overlying sediments. Downhole contact @ 70CA.	70	sericite veinlets throughout as fine cob-web textured alteration.	nil.	
127.10 TO 152.00	«4 , d»	<pre>Feldspar-pyric Volcanic Flow - unit could be crystal tuff?? looks like sub-volcanic feldspar porphyry sill that was disrupted or extruded before completely solidified but is likely flow with flow bx sections. Unit is predominately porphyritic textured throughout, disrupted locally by narrow bleached bands; common bx texture with frags and matrix</pre>		local bleaching; common mottled appearence throughout.	nil-trace.	

HOLE NUMBER: MAN24-05

HOLE NUME	BER: MAN24-05			DRILL HOLE RECORD		DATE: 10/26/1998	
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS	
		of same composition and texture, just frags have darker matrix to feldspars whereas matrix has more bleached matrix to feldspars; unit is commonly mottled appearence.					
152.00	«EOH»	i			Ĭ	İ	
TO 152.00	 1					1	
HOLE NUM	BER: MAN24-05		•	DRILL HOLE RECORD	LOGGED B	Y: R. Foy PAGE:	6

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Sample	From (M)	T0 (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est. %	Ni Est f	.Po E:		Est.Cj ¥	p Est. %	Sp Est.G ¥	in RC	CK TYPE	Comments
AT06705	34.40	34.80	0.40	551	37	' 1			2 0.	5				0.8	87							·						
AT06706	41.40	41.80	0.40	495	43	1	. 70	5 <	2 0.	3				4.5	55													
AT06707	41.80	42.20	0.40	102										0.4														
AT06708	47.30	47.80	0.50	126										1.2														
AT06709	48.80	49.30	0.50	572										3.1														
AT06710	51.20	51.50	0.30	230										1.0														
AT06711	52.40	52.70	0.30	242										1.4														
AT06712	53.70	54.10	0.40	580										4.(
AT06713 AT06714	54.10 54.80	54.80 55.20	0.70 0.40	212 199					70. 30.					1.0														
AT06714	56.30	57.00	0.40	96					30. 30.					1.8														
AT06716	60.00	60.30	0.30	75					50. 70.					1.3														
AT06717	63.50	63.90	0.40	149					70.					2.4														
AT06718	69.40	69.70	0.30	35					2 0.					1.2														
AT06719	69.70	70.00	0.30	60		. 5	31		70.					2.0														
AT06720	73.50	74.00	0.50	62	197	4	49	5	70.	2				1.6	51													
AT06721	74.00	74.50	0.50	49	169) 5	44	1	з О.	2				1.2	15													
AT06722	74.50	75.00	0.50	67	181	. 8	6	5	70.	3				1.6	50													
AT06723	75.00	75.50	0.50	151					70.	5				3.2														
AT06724	75.50	76.00	0.50	193					70.	6				6.0														
AT06725	76.00	76.50	0.50	142										4.1														
AT06726	76.50	77.00	0.50	116			-							3.0														
AT06727	77.00	77.50	0.50	94	197									2.2														
AT06728	77.50	78.00	0.50	161	49									4.4														
AT06729 AT06730	80.80 81.30	81.30 81.80	0.50 0.50	104	160 2090				70. 21.					1.0 4.1														
AT06731	81.80	82.30	0.50	211					3 0.					3.3														
AT06732	82.30	82.80	0.50	100					50. 70.					0.1		`												
AT06733	82.80	83.30	0.50	106					30.					1.0		•												
AT06734	83.30	83.80	0.50	128	315				7 0.					1.:														
AT06735	83.80	84.80	1.00	71	177	, ,	5	3	30.	4				0.9	99													
AT06736	84.80	85.60	0.80	137	54	5	10	2 1	40.	7				3.8	81													
AT06737	85.60	86.40	0.80	135	63	11	. 90	51	40.	6				3.0	07													
AT06738	86.40	88.00	1.60	52	48	; 4	-		30.	2				0.9	96													
AT06739	88.00	89.00	1.00	97					70.	4				1.3														
AT06740	89.00	90.00	1.00	87			-		70.					1.0														
AT06741	90.00	91.00	1.00	102										1.1														
AT06742	91.00	92.00	1.00	103			-		70.					1.2														
AT06743	92.00	93.00	1.00	163										2.														
AT06744	93.00	94.00	1.00	30										0.0														
AT06745	104.00		1.00	216										2.: 7.!														
AT06905 AT06746	109.20 115.90		0.30 0.30	129 230										2.														
A106748 AT06747	115.90		1.00	43										2. 0.9														
AT06747	117.20		0.60	122										1.0														
AT06748	120.90		1.10	103	48									1.														
AT06750		122.00		373										4.3														

HOLE NUMBER: MAN24-05

PAGE: 7

DATE: 26/10/1998

Sample	From (M)	То (M)	Leng. (M)	S102	AL203	CAO ¥	MGO ¥	NA20 ¥	K20 ¥	FE2O3 %	T102 ¥	P205 ¥	MNO ¥	CR203 \$	101 ¥	SUM ¥	Y PPM	ZR PPM	ba PPM	CU PPM	ZN PPM	ni PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
100280	10.00	13.00	3.00		4.97			0.17	0.27	9.80	0.23	0.04	0.14		7.26		5	10		20	85	1230	2135		1,6L	106
00281	26.00	31.00	5.00		14.58		5.48	2.22	0.65	7.62	0.54	0.08	0.15		1.77		15	70		<5	15	140	805		2,7(h)	94
100282 100283	36.00	33.50 38.00	2.00		15.17 12.57		2.51 5.26	4.55 2.86	0.57 1.39	3.58 5.48	0.53 0.49	0.11 0.12	0.11 0.21			99.65 99.47	15 15	110 100		<5 <5	<5 10	85 70	1235 645		3,8j 4,9(j)	105 71
100284	57.50	59.00	1.50		13.52		2.63	0.52	7.92	4.43	0.45	0.11	0.18			99.34	10	100		20	105	35	700		4,9i	100
100285	67.00	70.00	3.00		15.60	3.50	0.50	3.52	2.84	2.58	0.51	0.13	0.06		1.68	99.49	15	120		5	60	25	1110		3,8j	158
100286		77.00	1.00		14.55		7.63	0.98	1.85	9.57	0.73	0.52	0.20		3.97		20	130		105	255	80	550		2,7(j)	109
00287		90.50	2.00		12.08	0.94	0.55	0.44	6.40	1.92	0.40	0.08	0.02			99.57	10	100		55	125	35	1385		4,9jA	155
JOO288 JOO289	98.00 110.00	100.00	2.00 2.00		15.41 13.72	1.20 2.47	0.96 0.99	4.72 3.27	2.69 4.99	3.21 2.99	0.53 0.30	0.13 0.07	0.06 0.04		1.72 0.96	99.69 99.61	15 5	120 100		10 5	90 15	25 45	875 1430		3,8j 4,9jA	179 128
J00290			1.00		11.94	3.37	0.86	3.07	1.04	2.61	0.39	0.05	0.03		1.06		5	60		<5	<5	30	1120		4,9jA	160
J00291			2.00		12.44	1.99	0.25	4.57	1.71	1.40	0.26	0.07	0.02			99.79	5	80		<5	<5	35	1315		4,9jA	150
J00292			2.00	70.50	14.41	3.77	0.73	4.08	1.07	3.50	0.30	0.08	0.07		1.04	99.55	5	110		25	45	50	1030		4,9jA	162
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HOLE NUMBER: MAN24-05

DATE: 26/10/1998

		24-05			 								ASSAYS									_			_				26/10/19
mple	From (M)	То (M)	Leng. (M)	R PP	SR PM	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
0280		13.00		∜~ ∥	 				60		0.13	105												<u></u>					
0281	26.00			Ë					30		0.01	160																	
0282		33.50		1					15		0.02	120																	
0283		38.00		1					15		<0.01	100																	
0284	57.50			H					15		0.89	80																	
0285		70.00		8					15		1.15	85																	
)286)287	88.50	77.00		8 U					30 20		4.19 0.48	190 80																	
0288	98.00			n K					15		0.84	85																	
	110.00			4					15		0.21	75																	
	124.00			H					15		0.51	80																	
	125.00			u H					10		0.14	50																	
	134.00			Ì					15		0.52	55																	
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HOLE NUMBER: MAN24-05

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DATE: 26/10/1998

Sample	From (M)	To (M)	Leng. (M)	sm PPM	EU PPM	GD PPM	DY PPM	ER PPM	LÚ PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	li PPM	BE PPM	MN PPM	ga PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL N	I/MGO 1	SHIKW Z	n/na2
AU00280		13.00		₩ <u></u>													<5						15		0.89		41	87	500
U00281		31.00		K.													<5						20		0.63	0.86	26	29	7
U00282 U00283		33.50															5 <5						15 15		0.63 0.70	0.61 1.07	34 13	18 29	1 3
U00283	36.00 57.50	38.00 59.00		# #													<5						15		0.59	0.37	13	65	202
000285	67.00			а 													5						5		0.31	0.22	50	32	17
J00286		77.00		į.													5						20		0.66	0.73	10	45	260
000287	88.50	90.50	2.00	ĥ													<5						5		0.40	0.08	64	83	284
J00288		100.00		l													5						5		0.41	0.08	26	38	19
	110.00			1													<5						5		0.44	0.18	45	51	5
	124.00			1													<5						5		0.44	0.28	35	23	2
	125.00 134.00			#													<5 <5						<5 5		0.30 0.33	0.16 0.26	140 68	23 19	1 11
															<i>۱</i>														
	<u></u>																	<u> </u>									<u></u>		

HOLE NUMBER: MAN24-05

HOLE NUME	BER : MAN	4-05				GEOCHEMIC	AL ASSAYS		DATE: 26/10/
Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM				
U00280	10.00	13.00	3.00	<u> </u>	<10				
AU00281	26.00	31.00		i	10				
U00282	31.50	33.50	2.00		10				
AU00283			2.00	1	<10				
U00284		59.00			<10				
U00285			3.00		<10				
U00286	76.00				<10				
U00287	88.50			1	<10				
U00288	98.00	100.00	2.00	l	<10				
000289	110.00	112.00	2.00		<10				
1000290	124.00	125.00	T.00		<10 <10				
	125.00			1	<10 <10				
000292	134.00	130.00	2.00 H	t 	~14				
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HOLE NUMBER: MAN24-07		FALCONBRIDGE DRILL HOLE	-	DATE: 10/26/1998 IMPERIAL UNITS: METRIC UNITS: X
PROJECT NAME: SCHUMACHER	PLOTTING	COORDS GRID: UTM	ALTERNATE COORDS GRID: FL'98 Grid	COLLAR DIP: -45° 0' 0"
PROJECT NUMBER: 8290		NORTH: 5407035.00N	NORTH: 97+55N	LENGTH OF THE HOLE: 152.00M
CLAIM NUMBER: 485 NEC		EAST: 500075.00E	EAST: 100+ 0E	START DEPTH: 0.00M
LOCATION: Schumacher Option		ELEV: 293.00	ELEV: 293.00	FINAL DEPTH: 152.00M
	COLLAR ASTRON	MIC AZIMUTH: 200° 0' 0"	GRID ASTRONOMIC AZIMUTH: 20° 0' 0"	
DATE STARTED: 09/16/1998	COLLAR SURVEY: NO	I	PULSE EM SURVEY: NO	CONTRACTOR: Norex
DATE COMPLETED: 09/17/1998	RQD LOG: NO		PLUGGED: NO	CASING: 20m
DATE LOGGED: 09/19/1998	HOLE MAKES WATER: NO		HOLE SIZE: BQ	CORE STORAGE: Kidd Mine Site
				UTM COORD. :

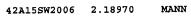
COMMENTS : To test HLEM conductor 'E'.

WEDGES AT: hit 2.1m of graphite at 44.3m, 2.5m at 103.2m.

DIRECTIONAL DATA:

Depth (M)	Astrono Azimut				Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
20.00	2019 01	0" -45° 0		ок		·····					
50.00		0" -45°30		OK		1 -	-	-	_	_	· · · · · · · · · · · · · · · · · · ·
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150.00		0" -45°30		ок		-	-	-	-	-	
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						DRILL HOLE RECORD					LOGGED BY: R. Foy





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ом	ROCK		ANGLE			
то	TYPE	TEXTURE AND STRUCTURE	TO CA		MINERALIZATION	REMARKS
.00	« ob »					
TO						
İ	_					1
00. TO	«7»	Gabbro – medium to coarse grained, pale to medium green-grey, massive, uniform gabbro. Well				1
40		developed acicular feldspar give good salt 'n	i		1	I
ļ		pepper texture.				
i		23.4: becoming mottled and finer grained, with	i			Ĭ
		some carb veins(lets) and 1cm amphibole needles randomly oriented throughout. Core becoming more				1
		blocky, broken toward contact.				
		Downhole contact broken.				1
ļ						
40	«5»	Argillite, Tuff - very fine, black, massive,			nil to trace py.	
TO	* 3 *	non-condcutive argillite with 10% to locally 20%	l J		I III to trace py.	1
.50		1-4mm whitish laths/frags oriented @ 80-90CA.				
ļ		Some very narrow conductive beds, generally				1
		weakly to non-conductive.	1			
		Some narrow disrupted, bx'd portions; also some			1	1
İ		well developed bedding @ 80-90CA (i.e. 30m).	İ	· ·		1
		Also some 10-20cm lighter wacke? beds.	1			1
- i		Core is blocky thoughout most of unit;	İ			ļ
		and strongly disced from 33.5-35.0m.				
į		Downhole contact ground, broken but appears to be	Í		1	l
		@ 90 (argillite piece) or 30 (wacke piece)??				
ļ			į		i	
.50	«5F»	Wacke? - Unit is fine to medium grained,				1
TO		beige-green generally massive uniform with 5-8% roundish pink feldspar grains throughout; altered				
.50		flow? or sediment?.	1			
		Downhole contact sharp @ 40CA.	1			1
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DRILL HOLE RECORD

LOGGED BY: R. Foy

DRILL HOLE RECORD

DATE: 10/26/1998

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS
40.50 TO 42.20	<5>	Argillite - very fine dark massive uniform somewhat silieous, non-conductive; has mottled texture caused by mix? with underlying mafic, locally has indistinct patches of similar material as underlying mafic.				
		Downhole contact blocky broken.				
42.20 TO 44.30	«10?2?»	Dykes? Mafic Volcanic? - fine to medium grained, medium to dark green, uniform throughout most of unit. Has 35% 1-2mm roundish dark (amphibole?) grains speckled throughout in a very uniform manner, groundmass is fine. Unit(s) has several argillite sections, most non-conductive, one graphitic.				
		Some variations in porportions of dark grains, and some sublte flow features, but not very pronounced, typically consistent, uniform. Downhole contact very sharp @ 60CA. Does not appear hornsfelsed.				
44.30 TO 46.50	«5g»	Graphitic Argillite - very fine, black, very massive and very concutive. Downhole contact very sharp @ 70CA.		some qtz-carb veins near bottom of unit.	nil.	
46.50 TO 97.50	≪10?,2? ≯	Dyke? Mafic Volcanic? - similar to above. Massive uniform consistent fine grained, green with 10-20% dark grains speckled throughout. Some subtle features, internal flow banding?; some serpentinite developed on some slip surfaces particullarly in upper part of unit (to 52m), and strong chlorite thereafter.				
		52.7-53.7: massive non- to weakly conductive argillite bed.				

HOLE NUMBER: MAN24-07

DRILL HOLE RECORD

DATE: 10/26/1998

FROM	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		 56.9-57.2: argillite bed non-weakly conductive; some partings with graphitic coatings but no graphitic beds. 65.9-68.4: odd looking non-magnetic, non-conductive sed?? fine grained beige matrix hosts 10-20% 8-10mm roundish irredescent green amphiboles?. 68.4-71.0: non to weakly condcutive argillite bed; similar some graphitic slip coatings but no beds. 71.0-75.3: same unit as 65.9-68.4. 93.0-97.0: blocky broken section. 94.5-95.3: conductive argillite. Downhole contact distinct. 				
97.50 TO 108.70	≪5 >	<pre>Argillite - very fine, black argillite, no bedding or other features, generally very massive and non-conductive except for two very conductive sections (99.9-100.8m, and 103.2-105.7m). Unit is blocky and fractured, and is very blocky, broken from 104.0-105.7m (fault?). 97.5-99.9: massive black non-con. argillite. 99.9-100.8: similar to above in appearence but very conductive. 100.8-102.9: faintly bedded? section @ 70CA with some carb-sulf veinlets @ 10CA. 103.2-104.0: similar massive moderately to strongly conductive section. #104.0-105.7[*FLT* - ground, broken core of graphitic argillite, some sulfs, fractures</pre>			<pre>some isolated py blebs in argillite, some 2-3cm 20% py bands @ 90CA. some fracture controlled py blebs in quartz veins (101.4-102.4m). 106.3-106.5: earthy rusty sulf? sph?. 107.3-107.9: 5% very fine po speckled over 20cm; and some 1-3mm massive irreg. veins at @ 20CA.</pre>	

HOLE NUMBER: MAN24-07

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DATE: 10/26/1998

FROM TO	Rock Type	TEXTURE AND STRUCTURE	ANGLE		MINERALIZATION	REMARKS
		generally @ 10-20CA. 105.7-106.3: felsic volcanic section, very fine, blocky, some sulfs.				
		106.3-106.5: grungy section with 2*3cm quartz veins @ 70CA.				
		106.5-108.7: generally massive non-con. argillite.	 			
		Downhole contact @ 30CA, some pieces of underlying felsic are hosted in argillite.				
108.70 TO 112.00	«41,D,bx»	Feldpspar-phyric Felsic Volcanic - 15-20% 2-5mm sub-hedral whitish feldspar grains speckled throughout alternating banded mottled dark and light groundmass. Mottled 2-6cm wide bx bands randomly oriented throughout unit.			nil.	
		<pre>111.1-111.4: massive, non-con. argillite bed @ 70CA. 1.5cm lower chill margin in felsic. Downhole contact sharp but wavy @ 80-90CA.</pre>				
ĺ			i			
112.00 TO 116.90	«10»	Mafic Dyke - fine grained, rusty brown-green, massive with some subtle mottled and bx'd portions. some felsic volcanic sections (113.8-114.8m).		some fine chlorite veinlets.		
		Downhole contact digested and mixed @ 70CA?.				
116.90 TO 152.00	«41,D,bx»	Feldspar-phyric Felsic Volcanic - similar to above. strong feldspar-phyric texture with strong shear/flow banding orientation @ 45CA. Typically alternating mottled dark and light bands through unit.			<pre>trace py 118.8-119.1. trace isolate 0.5x1.5cm py bleb. 151.7: 4cm sulf band of 40% py @ 70CA.</pre>	
İ		some more laminated sections (i.e. 132.6-135.0m).	i i			

HOLE NUMBER: MAN24-07

HOLE NUM	3ER: MAN24-07			DRILL HOLE RECORD	· · · · · · · · · · · · · · · · · · ·	DATE: 10/26/1998
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE		MINERALIZATION	REMARKS
		148.7-152.0: last section appears to be fractured, bx'd mafic?, has strong chloritic slip surfaces; white clay gouge on a few surfaces.				
152.00 TO	«EOH»					
152.00			 			

DRILL HOLE RECORD

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LOGGED BY: R. Foy

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	n: Pi		Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S Ppm	Se ppm	As ppm	Hg	Sb ppm	Est.N %	li Est.) t	Po Est	.Ру	Est.Cp t	Est.9	Sp Est.Gn %	ROCK TYPE	Comments
AR07548		36.00		∥ 16	51 1	38	1	42	<2	0.3	L				0.1	2												
AR07549	100.70	101.30	0.60	12	25 3	95	1	34	7	0.3	L				0.1	3												
AT08363	101.30	101.60	0.30	36	5 4	75	1	31	31	0.3	L				0.5	1												
AT08364	101.60	102.20	0.60	61	4 4	86	1	33	72	0.3	3				0.4	9												
AT08365	102.20	103.00	0.80	12	27 3	74	1	31	3	0.3	L				0.4	9												
AT08366	103.00	104.00	1.00	9	4 2	51	1	51	Э	0.1	L				0.0	3												
AT08367	104.00	105.00	1.00	211	10 3	94	6	51	<2	0.5	5				1.5	2												
AT08368	105.00	106.00	1.00	29	93 5	29	1	54	<2	0.3	L				0.5	6												
AT08369	106.00	106.50	0.50	<u> </u> 38	2 2	30	1	36	<2	0.3	2				0.4	4												
AT08370	106.50	107.20	0.70	j 11	.8 1	02	1	35	<2	0.3	2				1.1	4												
AT08371	107.20	107.50	0.30	27	4 12	00	2	34	3	0.2	2				2.7	0												
AT08372	107.50	107.90	0.40	14	8 1	05	4	46	3	0.3	2				1.3	1												
AT08373	117.00	118.00	1.00	17	15	43	1	84	3	0.3	L				0.6	8												
AT08374	118.00	118.80	0.80	<u>і</u> е	81	61	1	122	<2	0.3	L				0.4	6												
AT08375	118.80	119.10	0.30	5	50	46	1	72	3	0.3	2				0.9	3												
AT08376	119.10	119.60	0.50	Щ з	4	37	2	78	3	0.3	3				0.6	1												
AT08377	151.60	152.00	0.40	35	50	27	15	110	10	0.3	3				3.0	7												

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HOLE NUMBER: MAN24-07

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HOLE 1	NUMBER	: 1	MAN24-	07
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GEOCHEMICAL ASSAY

DATE: 26/10/1998

HOLE NUM	BER : MAN	124-07									GEOCI	TEMICAL	ASSAY											. <u></u>		DATE:	26/10/1998
Sample	(M)	To (M)	Leng. (M)	SI02 %	AL203	CA0 \$	MGO ¥	NA20 ¥	K20 *	FE2O3 *	T102 %	P205 %	MINO ¥	CR203	101 \$	SUM ¥	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM	
00369	20.00	23.00	3.00	48.04	15.00	12.78	7.46	1.35	0.48	11.89	0.65	0.07	0.26		1.69	99.67	15	50		<5	50	85	420		2,7(h)	103	
0370	28.00	30.00	2.00		13.66			0.95			0.46	0.10	0.05		4.59	99.85	15	120		<5	25	40	135		4,9jA	506	
00371	42.50		2.00							10.01	0.59	0.13	0.07		4.40		15	130		20	230	40	185		2,7jw	571	
0372	67.00				11.65					10.73	0.64	0.15	0.18		2.22		15	60		60	65	265	935		1,6H	101	
00373	89.00				15.09			0.65		7.12	0.56	0.15	0.07		4.38		10	130		<5	30	25	185		2,7jw	626	
00374					13.00					9.61	0.71	0.06	0.18		1.72		20	50		125	110	125	2860		2,7h	138	
	122.00 149.00				14.95			4.40		2.17 2.77	0.32	0.05	0.05 0.05		1.12 3.89		5 5	100 100		15 5	65 40	50 55	950 625		4,9jA 4,9jA	140 157	
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ENUMB	BER : MAN	24-07									GEOCH	EMICAL	ASSAYS															DATE :	26/10/:
mple	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
0369		23.00							30		0.04	240																	
0370		30.00		 					15		<0.01	65																	
0371			2.00						20		0.02	90																	
0372 0373		68.50 92.00	1.50 3.00]					35 15		0.06 <0.01	160 80																	
	112.00								45		0.90	325																	
	122.00								10		0.16	55																	
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DATE: 26/10/1998

	BER : MAN	24-07			 								ASSAYS				<u>.</u>											DATE :	26/10/
Sample	From (M)	To (M)	Leng. (M)	S PP		GD PPM	DY PPM	er PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	mn PPm	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL N	I/MGO I	SHIKW Z	n/na2
00369	20.00	23.00	3.00	-{ 				<u></u>		<u>.</u>							<5						30		0.60	0.85	11	36	37
0370		30.00		ļ													<5						5		0.71	0.04	6	84	26
371 372		44.50 68.50	2.00	1													<5 <5						10 25		0.58 0.73	0.02 0.89	7 22	87 52	284 59
373		92.00		4 													<5						10		0.67	0.04	4	52 85	46
0374	112.00	113.50	1.50	Ï													<5						70		0.48	0.48	33	35	48
376	122.00	125.00	3.00	1													<5						5			0.32	33	24	15
377	149.00	152.00	3.00														<5						10		0.66	0.21	25	31	8
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HOLE NUMBER: MAN24-07

HOLE NUMBER : MAN24-07	HOLE	NUMBER	:	MAN24-07
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(M)

То

(M)

20.00 23.00 3.00

28.00 30.00 2.00

42.50 44.50 2.00

67.00 68.50 1.50

89.00 92.00 3.00

AU00374 112.00 113.50 1.50

AU00376 122.00 125.00 3.00 AU00377 149.00 152.00 3.00

Leng.

(M)

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PPM

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Sample From

AU00369

AU00370

AU00371

AU00372

AU00373

GEOCHEMICAL ASSAYS

DATE: 26/10/1998

HOLE	NUMBER:	MAN24-07
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HOLE NUMBER: MAN24-09			RIDGE LIMITED 5 HOLE RECORD		IMPERI	DATE: AL UNITS:	10/20/19 METRIC UN
PROJECT NAME: SCHUMACHER PROJECT NUMBER: 8290 CLAIM NUMBER: 485 NEC LOCATION: Schumacher Option	PLOTTING CO	ORDS GRID: UTM NORTH: 5406840.00N EAST: 499795.00E ELEV: 289.00		: 94+90N : 98+ 0E		LENGTH OF THI START	AR DIP: -45° 5 HOLE: 155 DEPTH: 0 DEPTH: 155
	COLLAR ASTRONOM	IC AZIMUTH: 200° 0' 0"	GRID ASTRONOMIC AZIMUTH	: 20° 0' 0"			
DATE STARTED: 09/18/1998 DATE COMPLETED: 09/21/1998 DATE LOGGED: 09/22/1998	COLLAR SURVEY: NO RQD LOG: NO HOLE MAKES WATER: NO		PULSE EM SURVEY: NO PLUGGED: NO HOLE SIZE: BQ		CONTRACTOR: CASING: CORE STORAGE: UTM COORD.:	69m Kidd Mine Site	

COMMENTS : To test HLEM concductor 'G'.

WEDGES AT: hit 6.2m of graphite at 103.1m.

DIRECTIONAL DATA:

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** X ****

	Comments	FLAG	Type of Test	Dip degrees	Astronomic Azimuth	Depth (M)	Comments	FLAG	Type of Test	Dip degrees	Astronomic Azimuth	Oepth (M)
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HOLE NUMBER: MAN24-09

DRILL HOLE RECORD

LOGGED BY: R. Foy

PAGE: 1



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040

HOLE	NUMBER :	MAN24	-09
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DRILL HOLE RECORD

DATE: 10/20/1998

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE	•	MINERALIZATION	REMARKS
0.00 TO 69.00	«- ob -»					
69.00 TO 81.90	«41,D» 	Feldspar-phyric Flow - 5-10% whitish sub-hedral feldspar grains in a alternating dark and cream mottled groundmass; 5-10% altered yellow sericite alteration bands, stringers and veinlets. Downhole contact along broken core @ 80CA.		<pre>5-10% yellow sericite bands, stringers, and veinlets. Locally becoming very massive bands. </pre>	nil to trace py. 	
81.90 TO 84.60	«5bx»	Bx'd Sediment - unit is mix of fragments and dark siliceous sediments. Perfered orientation of frags @ 70CA. some dirty carb bands/veins with minor sulfs.		some carb veins/bands up to 2cm at various CA's.	<pre>trace-1% py,(apy?) as fine grains in fractures and as very fine disseminations in felsic portions of bx matrix.</pre>	
		Downhole contact distinct @ 80CA.	80			
84.60 TO 101.00	*3bx*	Intermediate Brecciated Volcanic - unit has high density of fracturing, veining and bx'n throughout. Typically fine grained, pale green, chloritic, mottled volcanic with abundant fine hairline fractures and common carb veins, bands, and matrix fills.		Carb - unit is 10-15% white carbonate filling fractures and bx matrix, veins and veinlets and locally forming broad 20-30cm carb bands hosting 20% volcanic frags. strong chlorite developed along most fracture and slip surfaces.	<pre>trace py as fine disseminations and grains and rare 1x3cm irreg. py slugs, blebs. 86.6-86.9: dirty quartz vein with 5%po as irreg. 1cm band @ 80CA and as fine disseminations/grains.</pre>	
		92.2-95.7: bx section - 75% of section is bx with angular to sub-angular volcanic frags in carb groundmass.				
		102.5-103.0: bleached altered band, felsic? Downhole contact broken and rubbly @ 50CA?.				
101.00 TO 155.00	<5,g,F»	Graphitic Argillite & Wacke - unit is alternating argillite beds of varying thickness, generally 0.5-2.9m. Well developed bedding @ 40CA, but can vary to 20CA & 50CA.	40	common low density of carb veins through much of unit.	trace to locally 5% py over 20cm as large massive colliform blebs in black argillite and as euhedral py grains speckled throughout wacke portions.	

HOLE NUMBER: MAN24-09

HOLE NUMBER: MAN24-09

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TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Argillite is moderately to strongly conductive, bedded to massive, black.			l locally some 4-9mm fine disseminated py beds in argillite, i.e. 120.2m,	
		Wacke is fine tan, grain equigranular clastic.			125.2m.	
		Locally bedding is alternating to form 'zebra' rock.				
		some narrow (10-20cm) shear band sections, i.e. 121.7, 123.0m; these sections have 5-8% py.				
		 103.1-109.3: graphitic argillite, blocky, broken to 104.0m				
		 109.3-114.9: section is mostly bedded (@40CA) wacke.				
		114.9-123.7: 5g; some interbedded wacke at bottom of section, includes 15cm fragmental bed.				
		 123.7-134.7: well bedded wacke; locally interbedded argillite to form zebra rock; shear band @ 50CA over 30cm with sulfs at 130.0m				
		 134.7-140.7: 5g, includes 35cm graded (fining downhole) closed packed fragmental bed (debris flow?) at 137.1m.				
		140.7-141.7: bedded wacke @ 45CA.				
l		141.7-143.1: 5g.				
		143.1-143.7: closed packed fragmental bed of sub-angular 1cm argillite and wacke frags with 5% massive po frags?/replacement.				
		143.7-147.1: 5g.				
		147.1-147.5: disrupted chert bed with 5% fine sulfs in upper more disrupted portion.				
		147.5-148.6: massive, fractured wacke.				
		 148.6-155.0: foliated (@ 40CA), fractured, broken				1

HOLE NUMBER: MAN24-09

PAGE: 3

HOLE NUME	BER: MAN24-09			DRILL HOLE RECORD	·	DATE: 10/20/1998
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS
		blocky rubbly dirty graphitic argillite. becoming moreso toward bottom of section. Common contorted carb veins throughout. Some discing @ 20CA. approaching a fault??.				
155.00 TO 155.00	«EOH»					

HOLE NUMBER: MAN24-09

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DRILL HOLE RECORD

· · LOGGED BY: R. Foy

PAGE: 4

HOLE NUMBER : MAN24-09

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Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb pp		Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est.N %	i Est. %	Po Est	t.Py E %	-	Est.Gn ¥	ROCK TYPE	Comments
T08378	79.00	79.50	0.50	<u>∦</u> ∥ :	30	70	4	44		3 0	.2				0.9	90			<u> </u>								
T08379	79.50	80.00	0.50		15	46	3	30			.2				0.1												
T08380	80.00	80.50	0.50		15	84	3	34			. 2				0.1												
T08381	80.50	81.40	0.90		16	45	2	42			.1				0.1												
T08382	81.40	81.90	0.50		21	60 7.0	4	49			.2				0.5												
T08383	81.90	82.90	1.00		43	76	1	69			.1				0.4												
T08384 T08385	82.90 83.40	83.40 84.60			30 62	110 94	2 6	108 75			.2 .3				0.7												
T08385	84.60	85.30				140	10	55			.3				0.1												
T08387	85.30	86.00			31	63	1	47			.3				0.7												
T08388	86.00	86.50			54	55	1	40			.2				0.2												
T08389	86.50	87.10				118	11	86			.4				1.6												
T08390	117.00					192	8	33			.1				1.5												
AT08391	118.00	119.00	1.00	Ň -	49	205	13	53	i	з о	. 2				1.6	55											
T08392	119.00	120.00	1.00	l I	54	333	14	90)	з 0	. 3				2.0	04											
T08393	120.00	121.00	1.00	1	13	866	10	74	. <	2 0	. 2				3.0	05											
AT08394	121.00	122.00	1.00	1		256	12	71			.2				1.9												
T08395	122.00					272	11	72			.2				1.7												
\T08396	123.00					234	15	50			.3				1.6												
AT08397	124.00					145	8	33			.2				1.5												
T08398	126.50					168	9	42			.2			Υ	. 2.7												
AT08399	130.00					145	4	79			.1				3.7												
AT08401	137.10					456 400	17 14	138 245			.3				2.3												
AT08402 AT08403	143.10 147.00				03 42	60	4	48			.1				1.0												
AT08403	147.50					120	3	49			.1				1.0												
AT08405	148.10					258	12	128			.3				2.8												
AT08406	148.90					600	46	170			.9				3.6												
AT08407	150.00					634	40	151			.9				3.1												
AT08408	151.00					878	61	228	3 4	5 1	.2				7.4	46											
AT08409	152.00			j 3	04	646	55	188	3 4	1 1	.2				3.9	99											
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HOLE NUMBER: MAN24-09

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HOLE	NUMBER	:	MAN24	-09
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DATE: 20/10/1998

OLE NUM	BER : MAN	24-09									GEOC	HEMICAL	ASSAY												1	DATE: 2	0/10/1998
Sample	From (M)	То (M)	Leng. (M)	S102	AL203 %	CAO ¥	MGO %	NA20 ¥	K20 ¥	FE2O3	TIO2 %	P205 ¥	MINO %	CR203 %		SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM	
	82.00 90.00 102.50	92.00 103.00	2.50 2.00 0.50	71.26 72.94 71.25	15.49 14.12 13.28 14.15	2.79 2.05 2.86	0.70 0.98 0.85	3.87 4.69 3.99	1.94 1.38 2.19	1.73 0.82	0.30 0.31 0.33	0.06 0.08 0.06	0.06 0.03 0.03		2.96 2.17 3.00	99.59 99.76 99.64 99.53	5 5 5 5	90 110 110 100		<5 <5 10 5	85 70 145 165	15 25 15 30	225 220 220 330		4,9jA 4,9jA 4,9jA 4,9jA 4,9jA	164 164 157	
00382	130.00	132.00	2.00	69.16	15.77	2.39	0.79	4.03	2.67	1.35	0.51	0.22	0.04		2.87	99.80	10	170		<5	130	20	150		3,8j	173	
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HOLE NUMBER: MAN24-09

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HOLE NUMBER : MAN24-09

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DATE: 20/10/1998

HOLE NUME	BER : MAN	24-09						<u> </u>			GEOCH	EMICAL	ASSAIS															DATE :	20/10/199
Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	C02	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
AU00378 AU00379 AU00380 AU00381 AU00382	82.00 90.00 102.50	84.50 92.00 103.00	2.50 2.00 0.50						5 5 5 5 5		0.13 0.10 0.17 0.12 0.54	35 25 30 35 55													<u></u>				
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HOLE NUMBER: MAN24-09

HOLE NUME	BER : MAN	24-09									GEOCH	EMICAL	ASSAYS															DATE: 2	20/10/1998
Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL N	NI/MGO I	SHIKW Z	N/NA2
AU00378 AU00379 AU00380 AU00381 AU00382	82.00 90.00 102.50		2.50 2.00 0.50														<5 <5 <5 <5 5				,		5 5 5 <5 <5		0.48 0.49 0.57 0.71 0.58	0.20 0.15	47 36 15 35 25	19 28 26 31 35	18 18 31 41 32
																									·				
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HOLE NUMBER: MAN24-09

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GEOCHEMICAL ASSAYS

DATE: 20/10/1998

Sample	From (M)	То (М)	Leng. (M)	YB PPM	NB PPM		
AU00379 AU00380 AU00381	74.00) 77.00) 84.50) 92.00) 103.00	0 3.00 0 2.50 0 2.00 0 0.50		<10 <10 <10 <10 <10		
						y	

HOLE NI	JMBER: MAN	ND4 . 09		_ <u></u>		GEOCHEMICAL ASSAYS	PAGE : 9

PAGE: 9

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Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) WHO. OO 839. Assessment Files Research Imaging



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 vorthern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

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	Client Number 130679
Address	Suite 1200 - 95 Wellington Street West	Telephone Number (416) 956-5700
	Toronto, Ontario, M5H 2V4	Fax Number (416) 956-5757
Name		Client Number
Address		Telephone Number
		Fax Number

6.

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

			rospecting under sec		egs)	X		al: drilling strip ng and assoc	
Work Type	Four	Diamo	nd Drill Ho	oles MA	N24-05	5, -07, -09	, MAN23	-01 621m	Office Use
									Commodity
					-		. <u></u>		Total \$ Value of # 43, 750
Dates Work Performed	From	10 Day	09 Month	1998 Year	То	22 Day	09 Month	1998 Year	NTS Reference
Global Positio	ning Syst	tern Data	(if available)	Township	Area N	lann Twj).		Mining Division Margine
				M or G-P G - 353	lan Numbe 37	r		·····	Resident Geologist District

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)

			(705) 267 - 1188 ext. 243
······································		Fax Number	
, P4N 7H9			(705) 267 - 6080
		Telephone Nun	nber
RECEIV	ED	Fax Number	
		Telephone Nun	nber
	<u> </u>	Fax Number	
COSCIENCE ASSE	SSMENT		
OFFICE			
יו האפוור			
, do hereby certif	y that I have pe	rsonal knowledg	e of the facts set forth in
		-	
		or witnessed the	same during or after its
K. of			Date November 2, 1998
	Telephone Nur	nber	Fax Number
)	(705) 267 - 11	38 ext. 243	(705) 267 - 6080
,	NOV 0 3 19 GEOSCIENCE ASSE OFFICE , do hereby certif	RECEIVED NOV II 3 1998 GEOSCIENCE ASSESSMENT OFFICE , do hereby certify that I have per ting caused the work to be performed of dge, the annexed report is true.	P4N 7H9 Telephone Num RECEIVED Fax Number Fax Number NOV fl 3 1998 GEOSCIENCE ASSESSMENT OFFICE GEOSCIENCE ASSESSMENT OFFICE dge, the ennexed report is true. Telephone Number

0241 (03/97)

Deemed Feb. 01 / 1999

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

						JY60.00837		
	work w minin colum	g Claim Number. Or if vas done on other eligible g land, show in this n the location number ted 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	
la	023	6 543 NEC	64 ha	\$10937	\$0	\$10937	\$0	
60	2827	485 NEC	64 ha	\$32813	\$0	\$32813	\$0	
•	3	1201905	8		\$1015	1		
	4	1200909	8		\$3200			
	5	1200910	8		\$3200	1		
	6	1200916	16		\$6400			
	7	1200908	16		\$6400			
	8	1201944	4		\$1600			
	9	1201945	2		\$800			
	10	1190189	16		\$6400	1		
	11	1201901	16		\$4601			
	12	1201908	2		\$800			
	13	1201907	12		\$4800			
	14	1201906	8		\$3200			
	15	1201902	4		\$1334			
	16				K	• • <u>•</u>		
	17							
	18			1				
	A	Column Totais	124	\$43,750	\$43,750	\$43,750	\$0	

I, <u>Robert Foy</u>, do hereby certify that the above work credits are eligible under (Print Full Name) 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 _____ Date November 2, 1998

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

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

X 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.

1st 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):

a suura su én jeu

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		Deemed Approved Date	Date Notification Sent
	RECEIVED	Date Approved	Total Value of Credit Approved
0241 (03/97)	NOV 0 3 1938 0 9	Approved for Recording by Minin	ng Recorder (Signature)
	GEOSCIENCE ASSESSMENT		

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Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use) WA860 <u>6083</u>9

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 Development. 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.	Total Cost	
Diamond Drilling	612 metres	\$45.54/m	\$27,870
<u>Core Samples</u> (Assays & Whole Rock)	464 Samples	\$20/sample	\$9,280
<u>Geologist</u> – Logging Core, Spotting Holes, Supervision, etc	14 Days	\$250/day	\$3,500
<u>Technician</u> Splitting Core, Draftsman, Assist Geologist, etc	9 Days	\$150/day	\$1,350
Dransman, Assist Geologist, et		sub-total	\$42,000.00
Associated Costs (e.g. supplie	s, mobilization and demobilization).		
	the second second second second second second second second second second second second second second second s		
Transpo	ortation Costs		
	Truck Rental + gas (14 days)	\$75/day	\$1,050
Paad and			· · · · · · · · · · · · · · · · · · ·
	Lodging Costs		
Field Expenses -	14 Days	\$50/day	\$700
	RECEIVED Total V	alue of Assessment Work	\$43,750
2. If work is filed after two years and u	NOV 0 3 .298 GEOSCIENCE ASSESSMENT Irmanice is claimed at 199% of the above Tot up to five years after performance, it can only situation applies to your claims, use the calcu	be claimed at 50% of the Tot	
TOTAL VALUE OF ASSESSMENT W	DRK x 0.50 =	Total \$ value of w	orked claimed.
	to verify expenditures claimed in this statem on. If verification and/or correction/clarification	ent of costs within 45 days of	
Certification verifying costs:			
(please print full name)	reby certify, that the amounts shown are as a urred while conducting assessment work on		ompanying
certification.	Project Geologist, Falconbridge Limited) d holder, agent, or state company position with signing authority	I am authorized	I to make this
	Signature	Date	
0212 (03/97)			ember 2, 1998

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

December 30, 1998

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



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

Telephone: (888) 415-9846 Fax: (877) 670-1555

Dear Sir or Madam:

Submission Number: 2.18970

Subject: Transaction Number(s): W

Status W9860.00839 Deemed 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,

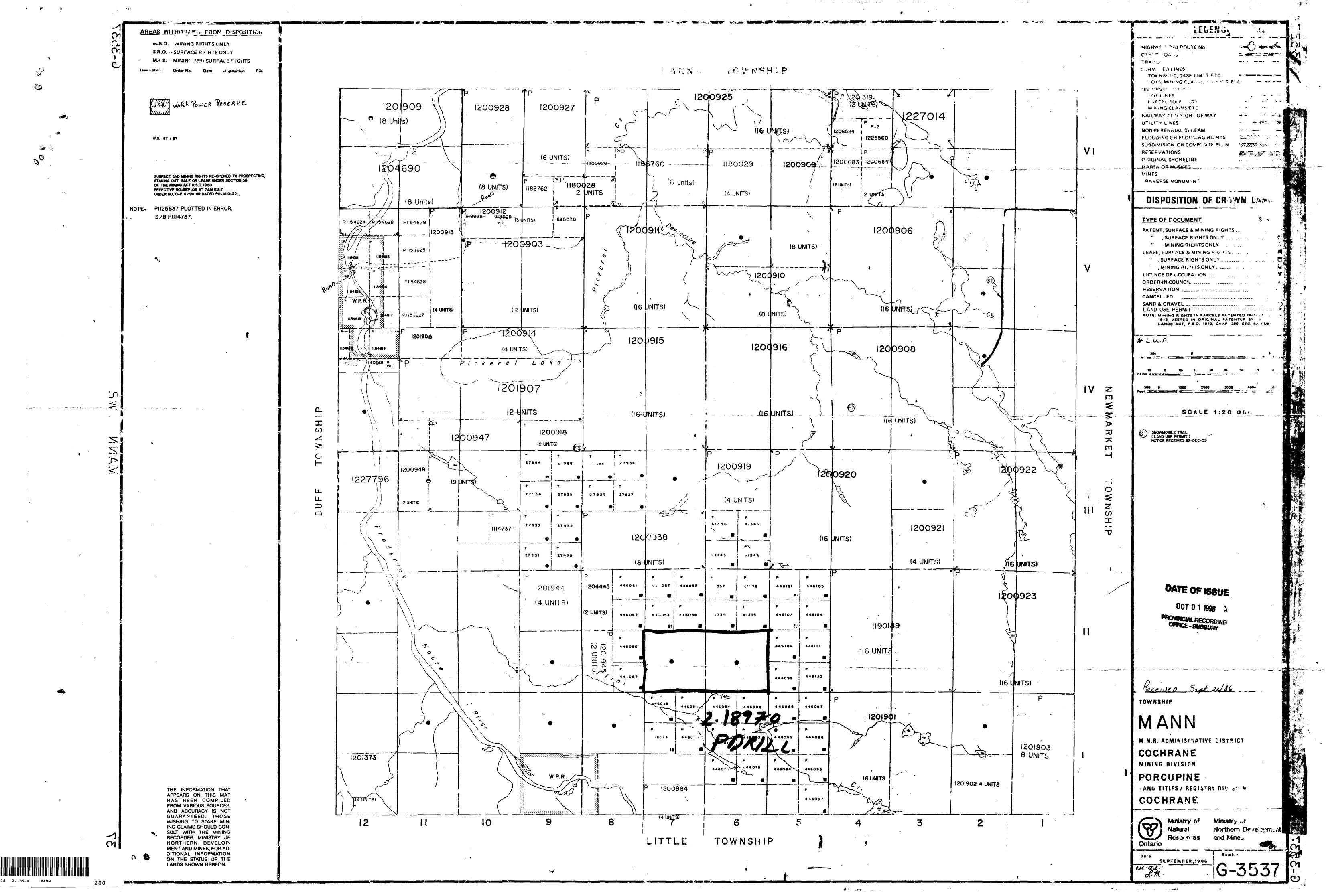
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ORIGINAL SIGNED BY Blair Kite Supervisor, Geoscience Assessment Office Mining Lands Section

Correspondence ID: 13219 Copy for: Assessment Library

Work Report Assessment Results

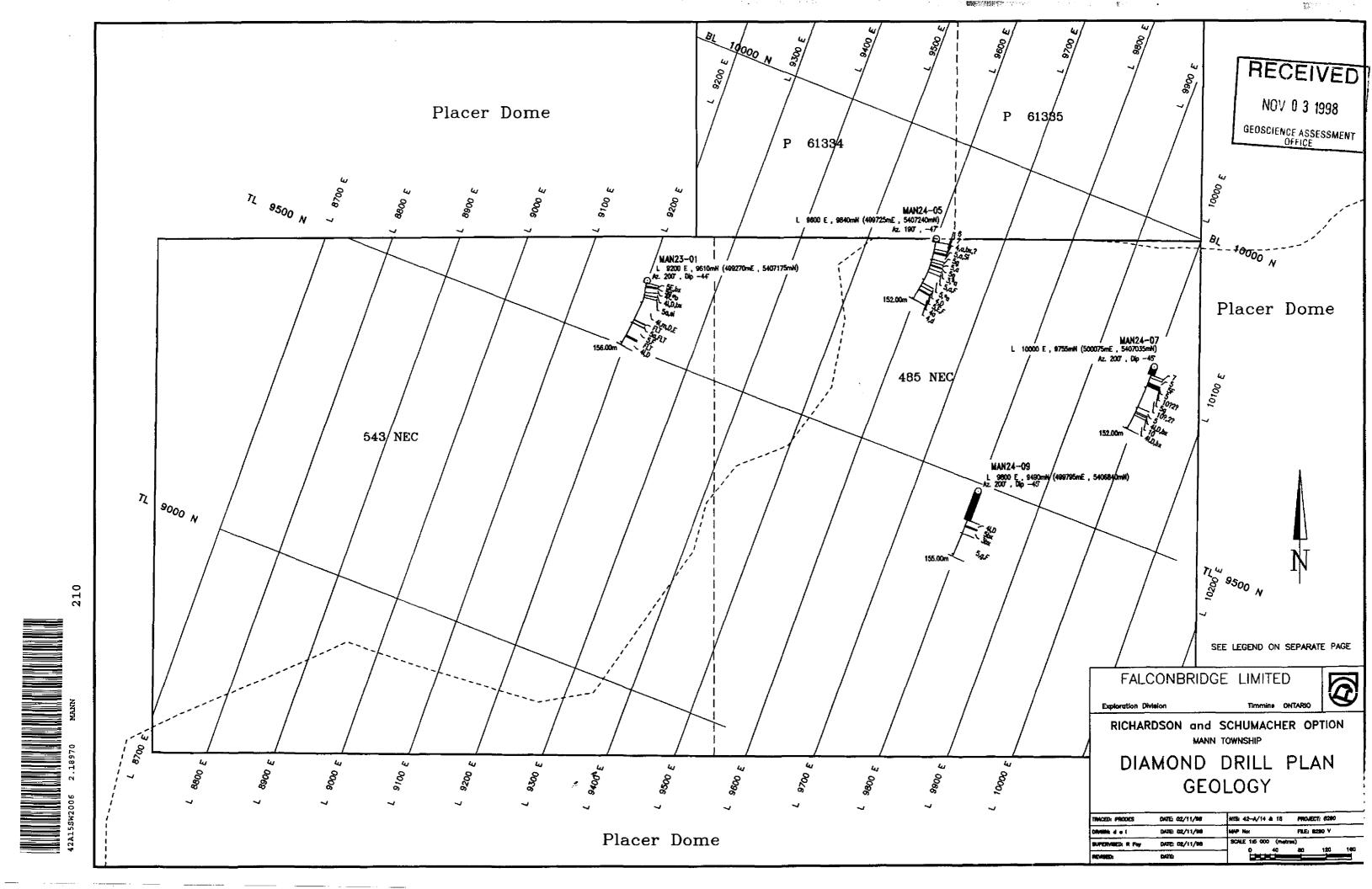
Submission Num	ber: 2.18970				
Date Correspondence Sent: December 30, 1998		Assessor: Lucille Jero	ome		
Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date	
W9860.00839	6000246	MANN	Deemed Approval	December 30, 1998	
Section: 16 Drilling PDRILL					
Correspondence	to:		Recorded Holder(s) and/or Agent(s):	
Resident Geologist		Robert Foy			
South Porcupine, ON			TIMMINS, ONTARIO, CANADA		
Assessment Files	Library		FALCONBRIDGE LI	MITED	
Sudbury, ON		TORONTO, ONTARIO			

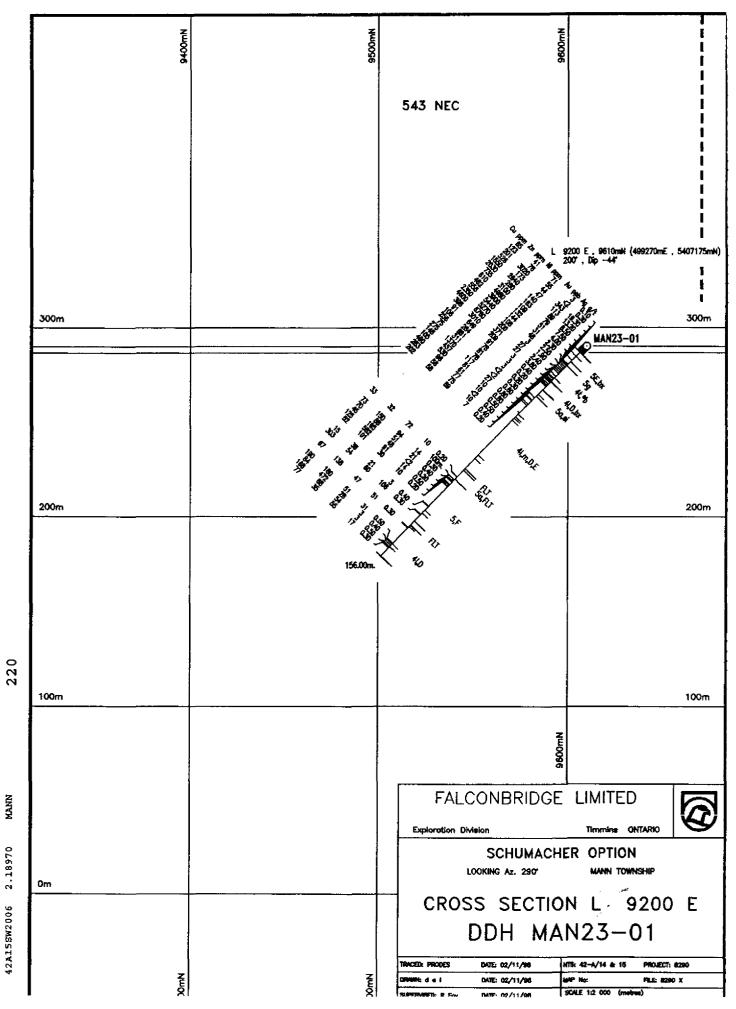


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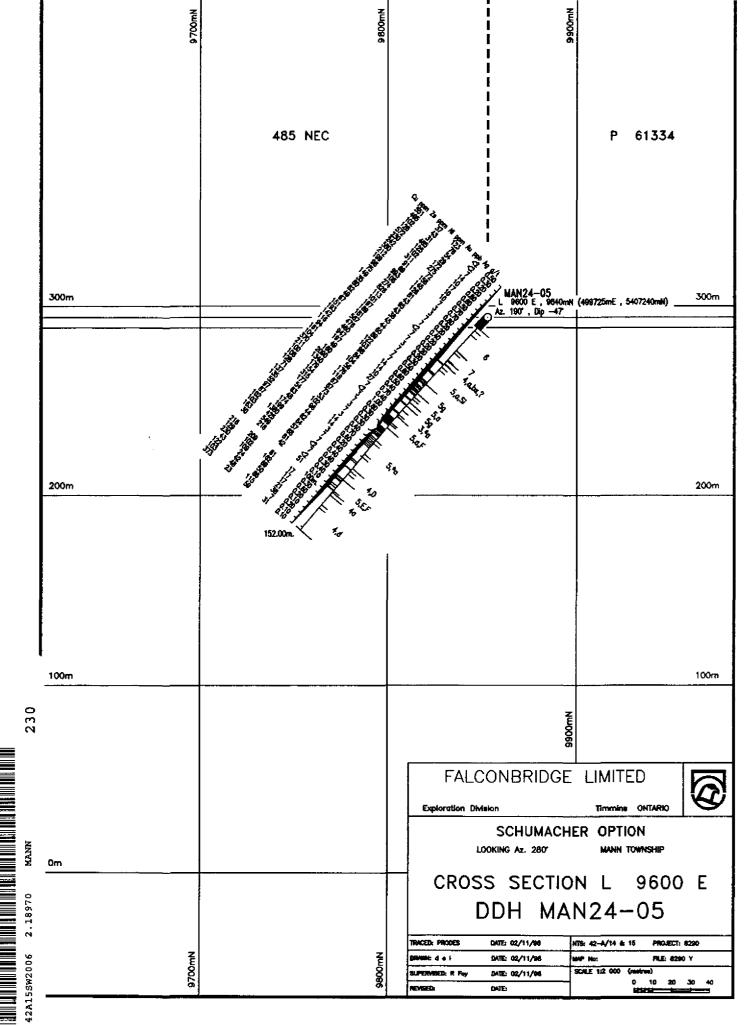
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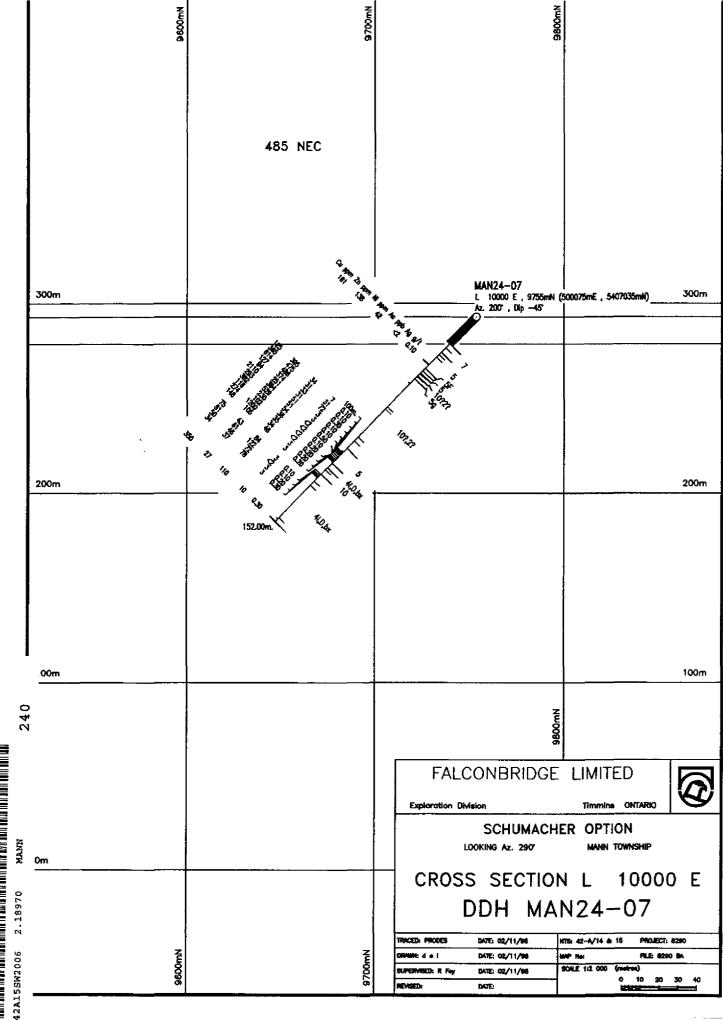
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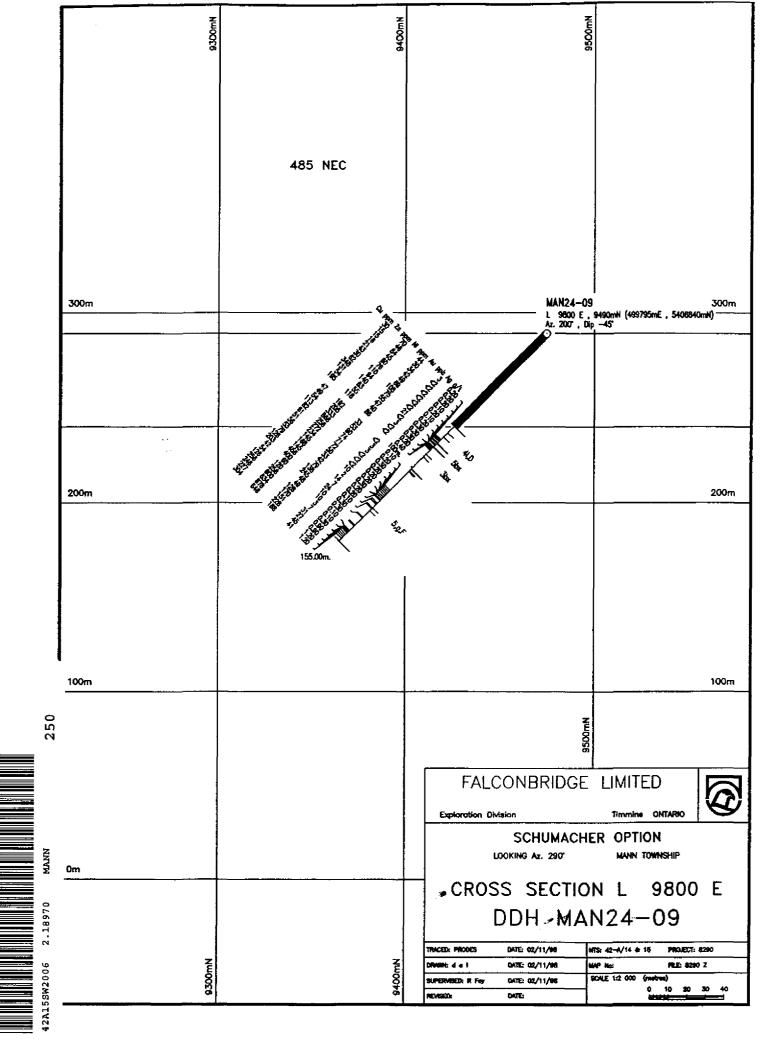


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