



42A11NW2018 2.20640 KIDD

010

HOLE NUMBER: K26-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 05/30/1999
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: KIDD-HBED JV
PROJECT NUMBER: 412
CLAIM NUMBER:
LOCATION: Kidd 26

PLOTTING COORDS GRID:
NORTH: 5387993.00N
EAST: 474836.00E
ELEV: 3320.00

ALTERNATE COORDS GRID: Kidd 26
NORTH: 14+10N
EAST: 83+0E
ELEV: 3320.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 230.00M
START DEPTH: 0.00M
FINAL DEPTH: 230.00M

COLLAR ASTRONOMIC AZIMUTH: 180° 0' 0"

GRID ASTRONOMIC AZIMUTH: 180° 0' 0"

DATE STARTED: 10/19/1998
DATE COMPLETED: 10/21/1998
DATE LOGGED: 11/03/1998

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

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

CONTRACTOR: Bradley Bros.
CASING: 40m Pulled
CORE STORAGE: Minesite
UTM COORD.: Y

COMMENTS : SpectrEM #: 129 Conductor: Strongly faulted graphite at greywacke/mafic contact
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
50.00	0° ' " -50° 0' "	"	A	OK	Azimuth not correct	-	-	-	-	-	-
110.00	177° 0' 0" -50° 0' "	"	S	OK		-	-	-	-	-	-
170.00	174° 0' 0" -44° 0' "	"	S	OK		-	-	-	-	-	-
230.00	180° 0' 0" -43° 0' "	"	S	OK		-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
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DRILL HOLE RECORD

LOGGED BY: D. Richardson

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David Richardson Oct 17th 2000

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DRILL HOLE RECORD

DATE: 05/30/1999

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 40.00	<{ob}>					
40.00 TO 88.50	<5, Gwke> Greywacke	<p>Greywacke -Dark grey -20$\frac{1}{2}$ 1-2mm round light grey grains in 80$\frac{1}{2}$ fine black argillite matrix. -Bedding 50 degrees TCA. 1-3mm black and grey beds. No obvious grading evident. -Trace graphite in fine matrix and on the plane of schistosity. -Weakly conductive on plane of schistosity</p> <p>Strong schistosity. Lineations on plane of schistosity 60 degree rake <{S2 50$^{\circ}$}></p> <p>60.0-62.0 distorted bedding. Bedding is deformed to 0 degrees TCA. Soft sediment deformation.</p> <p>Coarse grained greywacke. Light green 1-3mm grain size. Intervals from 56.4-56.6 78.9-80.0 86.4-86.7</p> <p>$\frac{1}{2}$43.8-44.0$\frac{1}{2}$ <{FAI}> 50 degrees TCA $\frac{1}{2}$45.6-45.65$\frac{1}{2}$ <{FAI}> 60 degrees TCA 2cm gouge $\frac{1}{2}$51.8-52.0$\frac{1}{2}$ <{FAI}> broken core $\frac{1}{2}$55.1-55.2$\frac{1}{2}$ <{FAI}> fault 60 degrees TCA $\frac{1}{2}$57.7-57.8$\frac{1}{2}$ <{FAI}> broken core $\frac{1}{2}$62.5-62.7$\frac{1}{2}$ <{FAI}> fault 20 degrees TCA with lineations 60 degrees to fault plane $\frac{1}{2}$64.7-64.9$\frac{1}{2}$ <{FAI}> fault 10 degrees TCA quartz-carbonate filled and 1cm gouge $\frac{1}{2}$68.0-68.1$\frac{1}{2}$ <{FAI}> 50 degrees TCA 0.5cm gouge $\frac{1}{2}$78.0-78.2$\frac{1}{2}$ <{FAI}> 70 degrees TCA 4cm gouge $\frac{1}{2}$84.3-84.6$\frac{1}{2}$ <{FAI}> sides to fault zone trend 70 degrees TCA. Zones of gouge and broken core within. $\frac{1}{2}$86.0-86.3$\frac{1}{2}$ fault filled with broken core and gouge.</p> <p>Quartz veins</p>		Minor quartz-carbonate veins, 1-10mm wide except where outlined in textures and structures section.	1-2 $\frac{1}{2}$ 1-5mm disseminated Pyrite cubes	

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DRILL HOLE RECORD

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DRILL HOLE RECORD

DATE: 05/30/1999

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		46.7-47.0 52.7-52.9 53.6-56.4 63.0-63.1 73.7-73.8 78.8-78.9 Lower contact gradational				
88.50 TO 116.80	<5g> Graphitic Argillite	Graphitic Argillite -Dark black -Fine grained -Weakly bedded 50 degrees TCA 1mm to 5mm black and grey beds. -Grades from weakly conductive at top of unit to strongly conductive in fault zone at bottom of unit -Similar to greywacke unit above with the exception of a lower percentage of coarse grains and an increase in graphite content -Poor RQD throughout unit Strong schistosity. Lineations on plane of schistosity 40 degree rake. <S2 60°> 107.2-111.0 core is disked in 5-20mm round disks. #100.0-100.1# <FAI> broken core #100.5-100.6# <FAI> broken core #101.5# <FAI> fault 50 degrees TCA 2mm gouge #101.6# <FAI> fault 55 degrees TCA 2cm gouge #101.8-102.0# <FAI> strong fault 60 degrees TCA 4cm gouge #113.1-117.0# <FAI> strong fault zone of gouge and broken core Lower contact faulted by wide fault zone described above.		Minor quartz carbonate veining 1-10mm wide. Red iron staining in quartz-carbonate veins from 106.1-110.0	1-2# 1-5mm disseminated Pyrite cubes	
116.80 TO 117.70	<2ae> Mafic Volcanic	Mafic Volcanic -Medium green -Fine grained -Massive Weak schistosity		Moderate pervasive chlorite Moderate pervasive carbonate	Trace disseminated 1-2mm Pyrite cubes	

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
117.70 TO 121.70	<2f> Interflow Mafic Sediment	<p><S2 50°></p> <p>Lower contact broken at approximately 70 degrees TCA.</p> <p>Interflow Mafic Sediment</p> <ul style="list-style-type: none"> -Dark green -Fine grained -Bedded 60 degrees TCA, 1-5mm wide fine dark green and light green mafic beds and 10% locally variable strongly conductive graphite beds, 1-50mm wide. <p>119.9-120.3 more massive section with one 1-4mm round amygdule.</p> <p>Moderate schistosity</p> <p><S2 60°></p> <p>Lower contact sharp at 65 degrees TCA</p>		Moderate pervasive chlorite	Trace 1mm Pyrite cubes on plane of schistosity	320 ppm Zn from WR data Icelandite (Chem ID)
121.70 TO 143.00	<2aem> Amyg. Mafic Volcanic	<p>Amygdaloidal Mafic Volcanic</p> <ul style="list-style-type: none"> -Dark green -Fine grained -Massive -Trace 1mm round quartz-carbonate filled amygdules. <p>138.0-139.0 intermixed mafic rock and quartz vein</p> <p>Moderate schistosity</p> <p><S2 70°></p> <p>Lower contact difficult to distinguish</p>		<p>Moderate pervasive carbonate</p> <p>Moderate pervasive chlorite</p> <p>Moderate quartz-carbonate veining, 1-20mm wide.</p>	Trace-1½ 1mm Pyrite cubes on plane of schistosity and fracture controlled Pyrite.	All mafic rocks sent for whole rock analysis came back with icelandite compositions
143.00 TO 190.70	<7am> Mafic Intrusion	<p>Mafic Intrusion (Diorite)</p> <ul style="list-style-type: none"> -Dark green -Fine grained, <= 1mm grain size -<1-2mm 3-5% leucoxenes -Massive <p>Moderate schistosity</p> <p><S2 60°></p> <p>Coarse grained mafic intrusion, 1-3mm hornblende and plagioclase grains</p>		<p>Moderate pervasive chlorite</p> <p>Minor 1-10mm quartz-carbonate veining</p>	Trace-1½ fracture and schistosity controlled Pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
190.70 TO 196.40	«2a» Mafic Volcanic	151.2-151.3 152.8-154.1 Lower contact quartz vein Mafic Volcanic -Dark green -Fine grained -Massive Strong schistosity «S2 60°» Upper contact quartz vein with 2-3% Pyrite blebs and weak chlorite 190.7-191.4 Local zones of interflow Mafic Sediment, bedding 55 degrees TCA, 1mm-3mm wide mafic and graphite beds. Lower contact gradational		Strong pervasive chlorite Moderate pervasive carbonate Moderate chlorite alteration in quartz vein at upper contact	Trace-1% 1-5mm Pyrite blebs. 2-3% 5mm Pyrite blebs in quartz vein at upper contact	
196.40 TO 201.10	«5g» Graphitic Argillite	Graphitic Argillite -Dark black -Fine grained -Moderate to high graphite content -Bedded 60 degrees TCA, 1-4mm black and grey beds -1-3cm Pyrrhotite nodules surrounded by carbonate -Strongly conductive Strong schistosity «S2 50°» Lower contact broken		Minor 1-10mm quartz-carbonate veins	4-6% 1-20mm Pyrrhotite blebs. 2-3% Pyrite parallel to schistosity Trace chalcopyrite blebs as exsolution in Pyrrhotite and in Pyrite stringers (seen while logging) Trace 1x3mm elongate Sphalerite blebs in graphite (found after assays came back) This interval had high zinc (up to 8900 ppm) and copper values (up to 2280ppm)	Note high Zn and Cu values
201.10 TO 230.00	«2ae» Mafic Volcanic	Mafic Volcanic -Dark green -Fine grained -Massive -Trace 1-5mm quartz-carbonate filled amygdules -Paint 1-3cm wide selvages. Selvages have lighter green margins with fine mafic interior		Moderate pervasive chlorite Trace epidote along selvage margins	Trace Pyrite disseminated 1mm cubes Trace chalcopyrite at 201.5	

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
230.00 TO 230.00	E.O.H.	Moderate schistosity « S2 65° »				

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ASSAYS SHEET

DATE: 30/05/1999

Sample	From (M)	To (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.Po †	Est.Py †	Est.Cp †	Est.Sp †	Est.Gn †	ROCK TYPE	Comments	
AU03110	53.60	55.00	1.40	10	47	1	39	3	0.2																	Quartz vein	
AU03111	55.00	56.40	1.40	9	26	1	22	<2	0.1																	Quartz vein	
AU03112	106.00	107.50	1.50	47	116	3	43	<2	0.2																	5g	
AU03113	107.50	109.00	1.50	56	114	2	49	<2	0.2																	5g	
AU03114	113.50	115.00	1.50	110	603	21	84	3	0.4																	5g, fault	
AU03115	188.00	189.20	1.20	59	178	1	61	<2	0.2																	7m	
AU03116	189.20	190.70	1.50	118	194	5	37	<2	0.2																	7m	
AU03117	190.70	191.40	0.70	35	65	6	17	<2	0.2																	quartz	
AU03118	191.40	192.50	1.10	41	148	1	21	<2	0.1																	2a	
AU03119	192.50	194.00	1.50	54	123	1	20	<2	0.1																	2a	
AU03120	194.00	195.50	1.50	36	158	1	21	<2	0.2																	2a	
AU03121	195.50	196.40	0.90	87	174	1	20	<2	0.1																	5g	
AU03122	196.40	197.30	0.90	700	8900	102	243	17	1.7																	5g	
AU03123	197.30	197.90	0.60	1310	7440	133	202	<2	2.6																	5g	
AU03124	197.90	199.40	1.50	952	4200	63	117	7	1.8																	5g	
AU03125	199.40	200.50	1.10	877	6710	72	162	<2	1.4																	5g	
AU03126	200.50	201.10	0.60	2280	748	34	98	<2	1.4																	5g	
AU03127	201.10	202.60	1.50	96	484	16	31	<2	0.2																	2a	

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ASSAYS SHEET

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GEOCHEMICAL ASSAY

DATE: 30/05/1999

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	
AU02879	44.00	47.00	3.00	64.74	18.39	1.42	1.25	2.59	1.67	3.97	0.72	0.07	0.07		4.93	99.82	15	160		35	90	<5	70	5	Gwke	5	324
AU02880	79.00	80.00	1.00	28.90	6.82	15.41	13.78	0.44	0.20	8.01	0.54	0.24	0.19		25.27	99.80	10	70		45	70	300	515	5	Gwke	51	42
AU02881	110.00	111.00	1.00	65.01	18.40	1.03	1.36	2.34	1.93	3.93	0.75	0.07	0.04		4.85	99.71	15	160		55	160	<5	70		5g	5	347
AU02882	120.00	121.00	1.00	45.99	11.60	7.31	4.42	1.11	0.33	17.99	2.65	0.42	0.36		7.62	99.80	50	230		40	320	25	75		2f	2(h)yz	133
AU02883	131.00	134.00	3.00	51.81	12.85	5.19	5.07	3.60	0.02	13.71	2.92	0.46	0.19		3.88	99.70	60	250		45	205	15	100		2aem	2(h)yz	146
AU02884	146.00	149.00	3.00	51.40	12.51	7.59	4.68	2.96	0.06	13.55	2.88	0.45	0.20		3.33	99.61	55	240		35	220	20	105		7m	7(h)yz	118
AU02887	194.25	195.30	1.05	46.56	11.77	6.83	4.41	2.48	0.14	16.27	2.24	0.28	0.34		8.51	99.83	55	200		10	190	20	65		2a	2(h)yz	125
AU02885	198.90	199.00	0.10	35.84	7.49	10.82	1.20	0.25	2.66	21.29	1.26	0.19	0.36		17.84	99.20	30	130		600	2050	40	175		5g	51	55
AU02886	218.00	221.00	3.00	53.33	11.94	8.10	3.39	2.54	0.43	12.75	2.29	0.37	0.28		4.09	99.51	45	160		5	160	<5	35		2ae	2(h)yz	108

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GEOCHEMICAL ASSAY

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GEOCHEMICAL ASSAYS

DATE: 30/05/1999

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		
AU02879	44.00	47.00	3.00						15		0.08	100																			
AU02880	79.00	80.00	1.00						35		0.12	95																			
AU02881	110.00	111.00	1.00						15		0.53	100																			
AU02882	120.00	121.00	1.00						50		1.63	315																			
AU02883	131.00	134.00	3.00						55		0.52	350																			
AU02884	146.00	149.00	3.00						50		0.18	345																			
AU02887	194.25	195.30	1.05						40		0.25	320																			
AU02885	198.90	199.00	0.10						30		10.00	175																			
AU02886	218.00	221.00	3.00						35		0.10	210																			

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GEOCHEMICAL ASSAYS

DATE: 30/05/1999

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	MG0#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AU02879	44.00	47.00	3.00														5						15		0.43	0.08	4	42	35
AU02880	79.00	80.00	1.00														5						15		0.81	2.26	22	47	159
AU02881	110.00	111.00	1.00														5						15		0.45	0.06	4	49	60
AU02882	120.00	121.00	1.00														15						30		0.37	0.63	6	36	280
AU02883	131.00	134.00	3.00														20						35		0.47	0.40	3	37	57
AU02884	146.00	149.00	3.00														20						35		0.45	0.61	4	31	74
AU02887	194.25	195.30	1.05														15						30		0.39	0.58	5	33	77
AU02885	198.90	199.00	0.10														10						15		0.12	1.44	33	26	8200
AU02886	218.00	221.00	3.00														15						25		0.39	0.68	1	26	63

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DATE: 30/05/1999

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
AU02879	44.00	47.00	3.00		<10	
AU02880	79.00	80.00	1.00		<10	
AU02881	110.00	111.00	1.00		<10	
AU02882	120.00	121.00	1.00		<10	
AU02883	131.00	134.00	3.00		10	
AU02884	146.00	149.00	3.00		10	
AU02887	194.25	195.30	1.05		<10	
AU02885	198.90	199.00	0.10		<10	
AU02886	218.00	221.00	3.00		<10	

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020

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

HOLE NUMBER: K26-02

DATE: 05/30/1999
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: KIDD-HBED JV PLOTTING COORDS GRID: K26 ALTERNATE COORDS GRID: Kidd 26 COLLAR DIP: -50° 0' 0"
 PROJECT NUMBER: 415 NORTH: 5387461.00N NORTH: 8+80M LENGTH OF THE HOLE: 206.00M
 CLAIM NUMBER: A32 Kerr EAST: 474724.00E EAST: 82+ 0E START DEPTH: 0.00M
 LOCATION: Kidd 26 ELEV: 3320.00 ELEV: 3320.00 FINAL DEPTH: 206.00M

COLLAR ASTRONOMIC AZIMUTH: 180° 0' 0" GRID ASTRONOMIC AZIMUTH: 180° 0' 0"

DATE STARTED: 11/05/1998 COLLAR SURVEY: YES PULSE EM SURVEY: NO CONTRACTOR: Bradley Bros.
 DATE COMPLETED: 11/05/1998 RQD LOG: NO PLUGGED: NO CASING: 28m left in hole
 DATE LOGGED: 11/05/1998 HOLE MAKES WATER: NO HOLE SIZE: BQ CORE STORAGE: Minesite
 UTM COORD.:

COMMENTS : Spectrem #: None Conductor: Strongly faulted graphite at greywacke/mafic contact
 WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
38.00	179° 0' 0"	-50° 0' 0"	S	OK		-	-	-	-	-	
98.00	179° 0' 0"	-50° 0' 0"	S	OK		-	-	-	-	-	
158.00	181° 0' 0"	-50° 0' 0"	S	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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RECEIVED
 OCT 19 2000
 GEOSCIENCE ASSESSMENT OFFICE

David Richardson Oct 17th 2000

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 28.00	<obj>					
28.00 TO 56.00	<2a> Mafic Volcanic	<p>Mafic Volcanic</p> <p>-Dark green</p> <p>-Fine grained</p> <p>-Trace 2-4mm round quartz-carbonate filled amygdules</p> <p>-Possible selvages, 2-5cm wide dark green fine mafic material with Pyrrhotite. Altered rims to selvage margins.</p> <p>Moderate schistosity <S2 60°></p> <p>Interflow Mafic Sediment fine grained and bedded 50 degrees TCA, 1-7mm wide beds. Intervals from 46.1-46.5 47.7-47.9 48.5-49.5 56.1-56.8</p> <p>Poor RQD throughout unit</p> <p>#28.0-32.0# Broken and poor core recovery (50%) #33.0-33.1# <FAI> broken core and gouge #41.4-41.5# <FAI> broken core #42.8# <FAI> 2cm broken core and gouge #44.3-44.4# <FAI> broken core #44.5# <FAI> weak fault 75 degrees TCA</p> <p>Lower contact irregular</p>		<p>Moderate pervasive chlorite</p> <p>Trace 1-5mm wide quartz-carbonate veining</p> <p>Trace pervasive epidote next to fractures</p>	<p>Trace-1½ Pyrrhotite 1-30mm blebs preferentially in primary zones such as interflow sediment and selvages.</p> <p>2cm wide Pyrrhotite zone at 53.3</p> <p>Trace Pyrite smeared on plane of schistosity</p>	
56.00 TO 59.50	<7cm> Feldspar Porphyritic Mafic Dyke	<p>Feldspar Porphyritic Mafic Dyke</p> <p>-Medium black</p> <p>-Coarse grained 1-3mm</p> <p>-2-3% 3-6mm greenish white plagioclase phenocrysts</p> <p>-Massive</p> <p>-Moderately magnetic</p> <p>Weak schistosity <S2 65°></p> <p>Lower contact faintly visible at 60 degrees TCA</p>		Trace pervasive chlorite	Trace <1mm Pyrite cubes	

HOLE NUMBER: K26-02

DRILL HOLE RECORD

DATE: 05/30/1999

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
59.50 TO 81.50	<2ap> Mafic Volcanic	Pillowed Mafic Volcanic -Dark-medium green -Fine grained -2-5cm wide selvages with fine mafic material banded parallel to schistosity. Trace epidote at margins to selvages. Moderate schistosity <S2 60°> Interflow Mafic Sediment, fine grained, bedded 60 degrees TCA 1-5mm thick. Intervals from 61.4-62.0 62.4-62.5 74.8-75.5 78.4-78.6 80.9-81.0 #65.1-65.5# quartz vein #67.0# weak fault 40 degrees TCA trace gouge #81.5# moderate fault at lower contact, broken core and gouge trending 65 degrees TCA Lower contact faulted 65 degrees TCA		Moderate pervasive chlorite Minor quartz-carbonate veining 1-10mm wide Trace epidote at margins to selvages	Trace-1# 1-30mm Pyrrhotite blebs preferentially within interflow sediment and selvages. Trace Pyrite smeared on plane of schistosity	
81.50 TO 94.90	<7m> Mafic Dyke	Mafic Dyke (Diorite) -Dark green -Fine to medium grained, fine chill margins to 1-2mm grain size in interior of dyke -2-5# <1mm leucoxene grains that are larger in interior of dyke and very fine at chill margins of dyke -Massive Moderate schistosity <S2 55°> Lower contact vague at 65 degrees TCA		Moderate pervasive chlorite Minor quartz-carbonate veining 1-10mm wide	Trace Pyrite smeared on plane of schistosity	
94.90 TO 98.50	<2a> Mafic Volcanic	Mafic Volcanic -Medium green -Fine grained -Massive Moderate schistosity <S2 70°>		Moderate pervasive chlorite Moderate pervasive carbonate Minor 1-5mm quartz-carbonate veining	1-2# fracture and schistosity controlled Pyrite. 3cm of SMS Pyrite at lower autobreccia/massive mafic contact at 96.5m	

HOLE NUMBER: K26-02

DRILL HOLE RECORD

LOGGED BY: D. Richardson

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10. 2000 20

HOLE NUMBER: K26-02

DRILL HOLE RECORD

DATE: 05/30/1999

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
98.50 TO 119.50	<5g> Graphitic Argillite	<p>94.9-95.4 massive fine grained</p> <p>95.4-96.5 autobrecciated monolithic angular jigsaw fit fragments.</p> <p>96.5-98.5 massive fine grained mafic</p> <p>Lower contact at 70 degrees TCA</p> <p>Graphitic Argillite -Dark black -Fine grained -Weakly conductive -Weakly bedded 1-5mm black and grey beds 50 degrees TCA -Vague fining uphole. Unit grades to coarser greywacke at the downhole contact -Rusty brown weathered Pyrite filled fractures 104.0-111.0</p> <p>Strong schistosity <S2 60°></p> <p>Poor RQD</p> <p>#98.9-101.0# <FAI> broken core, only 55% core recovery #102.0-102.2# <FAI> broken core #102.3# <FAI> 55 degrees TCA 0.5cm gouge #106.5# <FAI> 70 degrees TCA 3cm gouge #112.5# <FAI> 70 degrees TCA 1cm gouge #118.0-118.5# <FAI> broken core</p> <p>Lower contact gradational trending 60 degrees TCA</p>		Minor quartz-carbonate veining	<p>98.5-104.0 3-4% 1-10mm Pyrite blebs parallel to schistosity</p> <p>104.0-119.5 Trace-1% 1-3mm disseminated Pyrite blebs</p> <p>No Pyrrhotite detected</p>	Vague grading suggests tops uphole
119.50 TO 160.40	<5,Gwke> Greywacke	<p>Greywacke -Medium-light grey -Fine-coarse grained, 3 main grading sequences from fine to coarse. Fining uphole. -Coarse grained sections are composed of 20-30% round 1-3mm quartz grains, 10-15% round feldspar grains, 20-25% chlorite and sericite, 20-30% lithic grains -Trace graphite -Very weakly conductive</p>		<p>Minor 1-10mm quartz-carbonate veining</p> <p>Chlorite and Sericite present in groundmass of greywacke.</p>	Trace-1% <1-2mm disseminated Pyrite blebs	Grading sequences indicate tops are uphole

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DRILL HOLE RECORD

LOGGED BY: D. Richardson

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2. 20640

HOLE NUMBER: K26-02

DRILL HOLE RECORD

DATE: 05/30/1999

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>Strong schistosity <S2 55°> Lineations have 50 degree rake on plane of schistosity.</p> <p>122.7-129.5 intercalated fine black argillite bedded at 70 degrees TCA</p> <p>129.0 weakly folded beds, axis parallel to bedding and schistosity, soft sediment deformation or tight folding</p> <p>¶119.6-119.7¶ strong fault 8cm gouge 60 degrees TCA ¶119.5-129.5¶ poor RQD</p> <p>Lower contact gradational</p>				
160.40 TO 168.20	<Scf> Coarse Grained Greywacke	<p>Coarse Grained Greywacke -Light grey -Coarse grained -Graded sequences fining both uphole and downhole. Unit grades from 1-3mm grain size to 0.1-2.5cm grain size and back to 1-3mm grain size</p>		Weak pervasive secondary sericite	Trace disseminated Pyrite	
168.20 TO 176.00	<5g> Graphitic Argillite	<p>Moderate schistosity <S2 65°></p> <p>Clast Composition -10-20% 1-25mm white rounded chert fragments -15-20% round 1-4mm quartz grains -5-10% 1-10mm round argillite fragments -40-45% fine grained groundmass with grey sericite</p> <p>Lower contact quartz vein at 60 degrees TCA</p>		Weak pervasive stratigraphic/bedding controlled carbonate alteration. Minor quartz-carbonate veining 1-10mm	1-2% 1-10mm Pyrite blebs parallel to schistosity. No Pyrrhotite	Vague grading suggests tops uphole

HOLE NUMBER: K26-02

DRILL HOLE RECORD

LOGGED BY: D. Richardson

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HOLE NUMBER: K26-02

DRILL HOLE RECORD

DATE: 05/30/1999

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
176.00 TO 206.00	«S, Gwke» Greywacke	<p>-Gradual coarsening of grain size down hole</p> <p>Moderate schistosity «S2 65°»</p> <p>‡174.7-174.8‡ moderate fault 70 degrees TCA 2cm gouge</p> <p>Local diskings of core</p> <p>Lower contact gradational trending 62 degrees TCA</p> <p>Greywacke</p> <p>-Light grey</p> <p>-Coarse grained with fine sections</p> <p>-Grading sequences from <1mm to >4mm grain size give vague indication of tops being uphole</p> <p>-Mineral grains as follows: 15-20% 1-3mm round quartz grains, 30-40% round lithic fragments, 5-10% 1-3mm round feldspar grains, 20-30% sericitic groundmass</p> <p>-Intercalated fine argillite beds near end of hole bedded at 70 degrees TCA</p> <p>Moderate schistosity «S2 70°»</p> <p>Lineations 85 degree rake on plane of schistosity</p> <p>‡187.5‡ moderate fault 2cm gouge 70 degrees TCA</p>		Pervasive secondary sericite in groundmass to greywacke	Trace disseminated <1mm Pyrite cubes Trace <1mm disseminated Pyrrhotite blebs	Vague indication of tops being uphole
206.00 TO 206.00	E.O.H.					

HOLE NUMBER: K26-02

DRILL HOLE RECORD

LOGGED BY: D. Richardson

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HOLE NUMBER : K26-02

ASSAYS SHEET

DATE: 30/05/1999

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn ppm	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est.Ni †	Est.Po †	Est.Py †	Est.Cp †	Est.Sp †	Est.Gn †	ROCK TYPE	Comments
AU03128	96.00	97.50	1.50	45	253	1	48	<2	0.1																	2a
AU03129	97.50	98.50	1.00	53	161	1	55	<2	0.1																	2a
AU03130	98.50	99.50	1.00	51	188	1	53	<2	0.1																	5g
AU03131	99.50	101.00	1.50	79	303	4	49	<2	0.2																	5g
AU03132	101.00	102.50	1.50	61	292	1	65	<2	0.1																	5g
AU03133	102.50	104.00	1.50	159	277	16	86	3	0.3																	5g
AU03134	104.00	105.50	1.50	56	103	1	43	<2	0.1																	5g
AU03135	105.50	107.00	1.50	59	115	1	51	<2	0.1																	5g

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ASSAYS SHEET

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HOLE NUMBER : K26-02

GEOCHEMICAL ASSAY

DATE: 30/05/1999

Sample	From (M)	To (M)	Leng. (M)	SI02 %	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
AU02889	38.00	41.00	3.00	51.05	13.00	6.27	4.40	3.30	0.44	14.55	2.40	0.31	0.25		3.49	99.46	60	200		15	130	10	55	2a	2(h)yz	130
AU02890	58.00	59.00	1.00	47.99	14.10	9.99	6.74	1.68	1.26	14.79	1.05	0.11	0.23		1.39	99.33	25	70		195	95	80	160	7m	7hv	109
AU02891	59.00	60.00	1.00	50.41	12.09	5.91	4.72	1.70	0.46	16.91	2.13	0.29	0.30		4.73	99.65	55	190		40	160	15	80	2a	2(h)yz	150
AU02892	86.00	89.00	3.00	46.97	12.62	6.97	5.05	1.97	0.09	16.22	2.94	0.45	0.23		6.08	99.59	60	230		30	170	50	155	7m	7(h)yz	140
AU02893	107.00	108.00	1.00	63.73	20.35	0.65	1.50	2.38	1.66	4.74	0.86	0.08	0.05		3.75	99.75	20	180		35	70	15	80	5g	5	434
AU02894	120.00	122.00	2.00	69.25	14.45	2.14	1.23	3.15	1.55	4.12	0.55	0.07	0.05		3.08	99.64	15	170		30	100	<5	195	5 Gwke	5	211
AU02895	146.00	149.00	3.00	71.02	14.75	1.67	0.96	4.62	1.28	3.05	0.48	0.05	0.04		1.82	99.74	15	130		20	75	<5	270	5 Gwke	5	195
AU02896	161.00	164.00	3.00	67.97	15.01	1.98	1.43	4.03	1.44	4.62	0.63	0.08	0.06		2.32	99.57	15	170		35	70	15	385	5cf	5	201
AU02897	188.00	191.00	3.00	68.56	15.04	2.31	0.98	4.43	1.51	3.51	0.57	0.07	0.05		2.36	99.39	15	160		30	75	<5	290	5c Gwke	5	182

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GEOCHEMICAL ASSAY

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HOLE NUMBER : K26-02

GEOCHEMICAL ASSAYS

DATE: 30/05/1999

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		
AU02889	38.00	41.00	3.00						45		0.16	410																			
AU02890	58.00	59.00	1.00						45		0.16	320																			
AU02891	59.00	60.00	1.00						40		0.32	375																			
AU02892	86.00	89.00	3.00						50		0.19	415																			
AU02893	107.00	108.00	1.00						20		0.37	140																			
AU02894	120.00	122.00	2.00						10		0.73	60																			
AU02895	146.00	149.00	3.00						10		0.34	55																			
AU02896	161.00	164.00	3.00						15		0.65	80																			
AU02897	188.00	191.00	3.00						10		0.50	70																			

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GEOCHEMICAL ASSAYS

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HOLE NUMBER : K26-02

GEOCHEMICAL ASSAYS

DATE: 30/05/1999

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	GS PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AU02889	38.00	41.00	3.00													10							30		0.42	0.48	2	34	39
AU02890	58.00	59.00	1.00													5							35		0.52	0.71	12	41	57
AU02891	59.00	60.00	1.00													5							30		0.40	0.49	3	41	94
AU02892	86.00	89.00	3.00													10							35		0.42	0.55	10	37	86
AU02893	107.00	108.00	1.00													5							15		0.43	0.03	10	51	29
AU02894	120.00	122.00	2.00													<5							5		0.41	0.15	4	34	32
AU02895	146.00	149.00	3.00													<5							5		0.43	0.11	5	26	16
AU02896	161.00	164.00	3.00													<5							10		0.42	0.13	10	32	17
AU02897	188.00	191.00	3.00													<5							10		0.40	0.15	5	27	17

2. 20840

HOLE NUMBER : K26-02

GEOCHEMICAL ASSAYS

DATE: 30/05/1999

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
AU02889	38.00	41.00	3.00		20	
AU02890	58.00	59.00	1.00		10	
AU02891	59.00	60.00	1.00		20	
AU02892	86.00	89.00	3.00		20	
AU02893	107.00	108.00	1.00		10	
AU02894	120.00	122.00	2.00		10	
AU02895	146.00	149.00	3.00		<10	
AU02896	161.00	164.00	3.00		10	
AU02897	188.00	191.00	3.00		10	

HOLE NUMBER: K26-02

GEOCHEMICAL ASSAYS

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TIMMINS EXPLORATION - AMENDED ROCK LEGEND - v.3.0

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030

1. MAIN ROCK DIVISIONS

13	Metamorphic (Unknown)
12	Gneiss
11	Schist
10	Diabase
9	Felsic Intrusive
8	Intermediate Intr. Rocks
7	Mafic Intrusive Rocks
6	Ultramafic Intr. Rocks
5	Sedimentary Rocks
4	Felsic Volcanic Rocks
3	Intermediate Volcanic Rocks
2	Mafic Volcanic rocks
1	Ultramafic Volcanic Rocks

2. TEXTURAL/GEOCHEMICAL MODIFIERS

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

3. ALTERATION MODIFIERS

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

Prodes Usage

Rock Division (#1) plus:

1 each of #2, #3, #4 and #6
or
3 of #5; 1 of #6; and 1 of #2 or #4

MAXIMUM of 5 adjectives
(you may use less than shown above)

All adjectives must be comma separated

4. TEXTURAL/STRUCTURAL MODIFIERS

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

5. MINERALOGICAL NAMES

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

6. ROCK TYPE / PROTOLITH

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



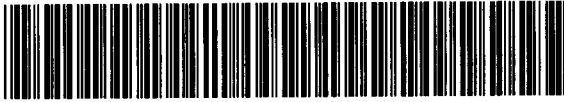
Ministry of
Northern Development
and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)

W0060.0042
Assessment Files Research Imagin



42A11NW2018 2.20640 KIDD 900

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

of subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B

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

Name FALCONBRIDGE LIMITED	Client Number 130679
Address KIDD CREEK MINESITE HWY 655 NORTH, BOX 1140	Telephone Number (705) 267-1188
TIMMINS ONTARIO, P4N 7H9	Fax Number (705) 267-8874
Name	Client Number
Address	Telephone Number
	Fax Number

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

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

Work Type: DIAMOND DRILLING, BOREHOLE GEOPHYSICS	Office Use
	Commodity
	Total \$ Value of Work Claimed \$ 30,335
Dates Work Performed From Day 19 Month 10 Year 1998 To Day 05 Month 04 Year 1999	NTS Reference
Global Positioning System Data (if available)	Township/Area KIDD
See Drill Logs	M or G-Plan Number M-0291
	Mining Division Porcupine
	Resident Geologist District Timmins

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

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

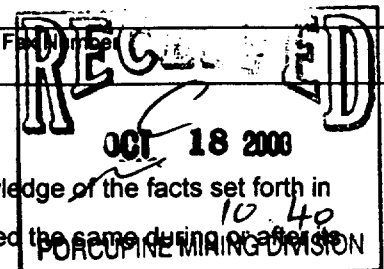
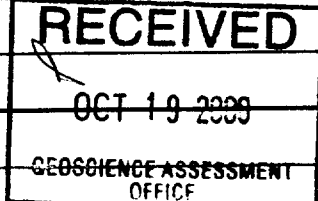
Name GREG COLLINS	Telephone Number (705) 264-5200 ext.(8245)
Address KIDD CREEK MINESITE, BOX 1140, TIMMINS ONTARIO P4N 7H9	Fax Number (705) 267-8874
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, Greg Collins (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent Greg Collins Date Oct 17, 2000

Agent's Address See Above Telephone Number (705) 264-5200 Fax Number



Declined 16, 2001

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

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	436m	\$65/m	\$28,340
Geological Supervision and Services	7 days	\$250/day	\$1,750
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Truck Rental and Fuel	7 days	\$35/day	\$245
Food and Lodging Costs			
Total Value of Assessment Work			\$30,335

Calculations of Filing Discounts:

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

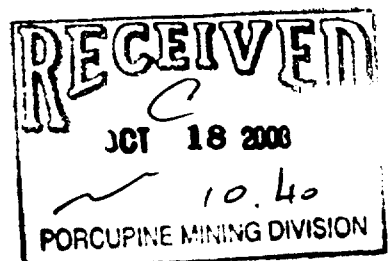
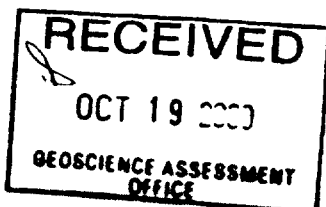
TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

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

Certification verifying costs:

I, Greg Collins (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Project Geologist I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)



November 30, 2000

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) 415-9845
Fax: (877) 670-1555

Dear Sir or Madam:

Submission Number: 2.20640

Status

Subject: Transaction Number(s): W0060.00421 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 JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.20640

Date Correspondence Sent: November 30, 2000

Assessor: JIM MCAULEY

General Comment:

Claim P 1224039 was recorded (October 23, 1998) during the work period. Calculation of the amount of work that was eligible to be assigned onto this claim during the work program indicates that a total of \$14530 was eligible at the time of filing. A total of \$9730 remains which is eligible to be filed onto claim P 1224039 from this work report.

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00421	Pcl 13902SEC	KIDD	Approval	November 28, 2000

Section:

16 Drilling PDRILL

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Correspondence to:

Resident Geologist
South Porcupine, ON

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

Greg Collins
TIMMINS, ON, CAN

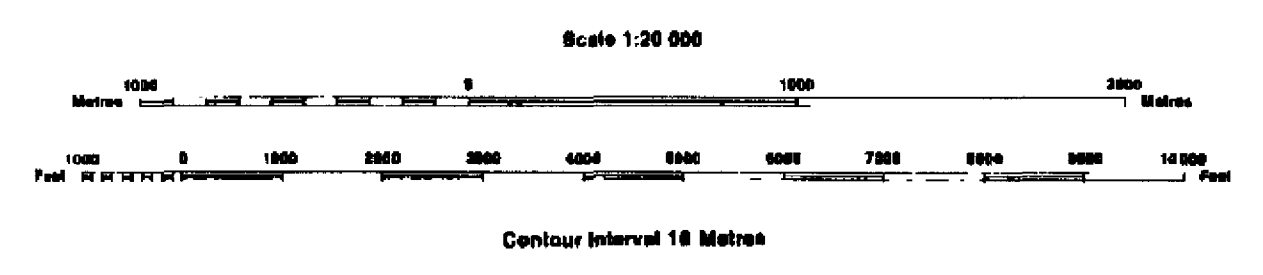
Assessment Files Library
Sudbury, ON

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

INDEX TO LAND DISPOSITION

PLAN
G-3951
 TOWNSHIP
KIDD

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



AREAS WITHDRAWN FROM DISPOSITION

MRD - Mining Rights Only
 BRO - Surface Rights Only
 M + S - Mining and Surface Rights

SYMBOLS

- Boundary
- Administrative District
- Township, Meridian, Baseline
- Road allowance: surveyed
- shoreline
- Lot/Concession: surveyed
- unsurveyed
- Parcel, surveyed
- unsurveyed
- Right-of-way, road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine shaft
- Pipeline (above ground)
- Railway: single track
- double track
- abandoned
- River/Stream/Creek
- Intermittent
- Road: highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

NOTES

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS

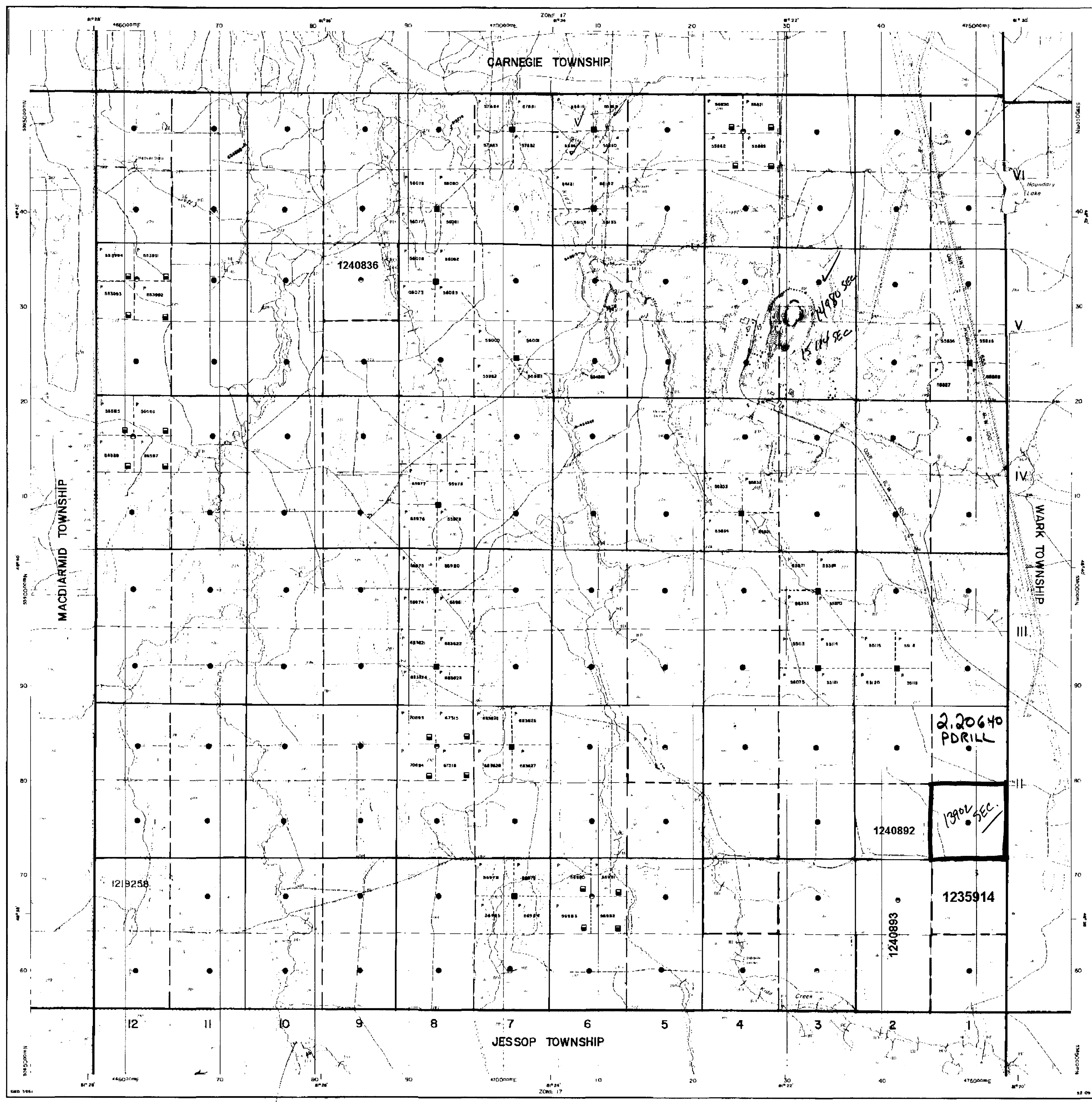
DISPOSITION OF CROWN LANDS

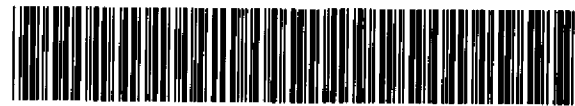
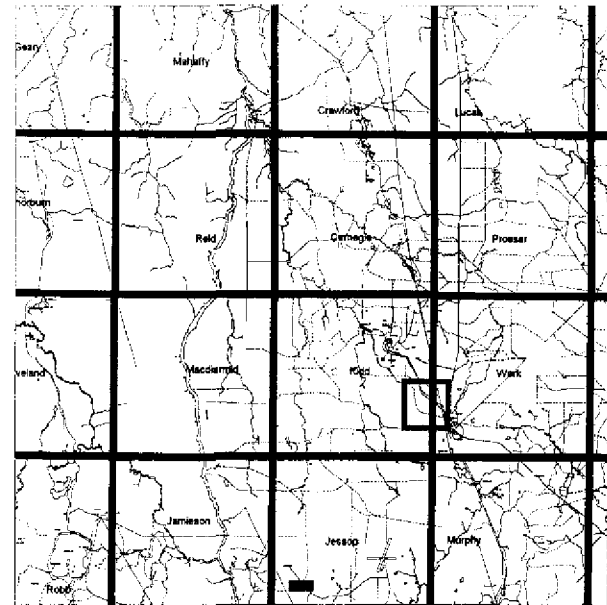
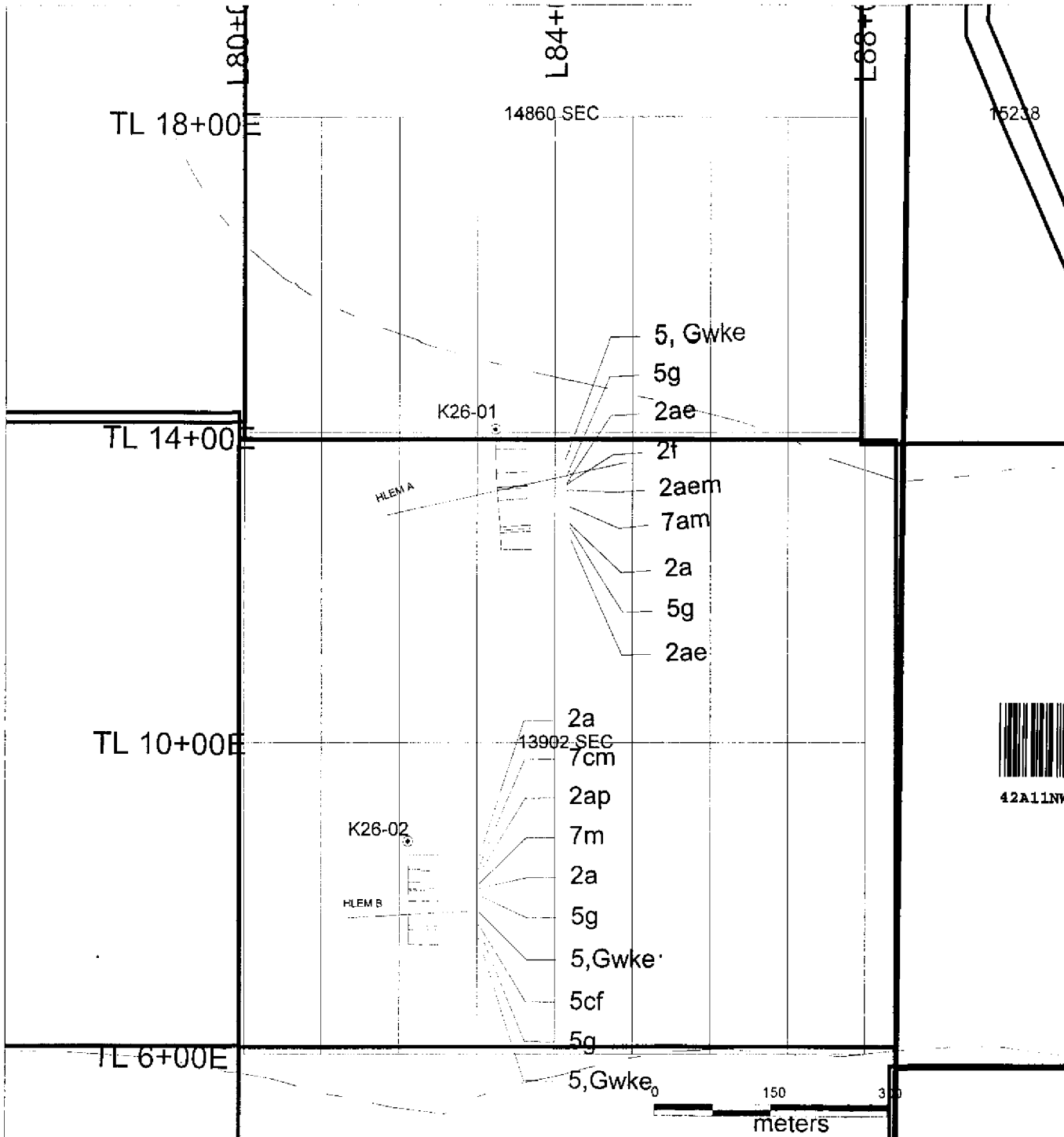
- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order in Council
- Cancelled
- Reservation
- Sand & Gravel

ACTIVATED MARCH 11, 1995 BY D.C.

Map base and land disposition drafted by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only





42A11NW2018 2.20640 KIDD 210

ASTRONOMIC

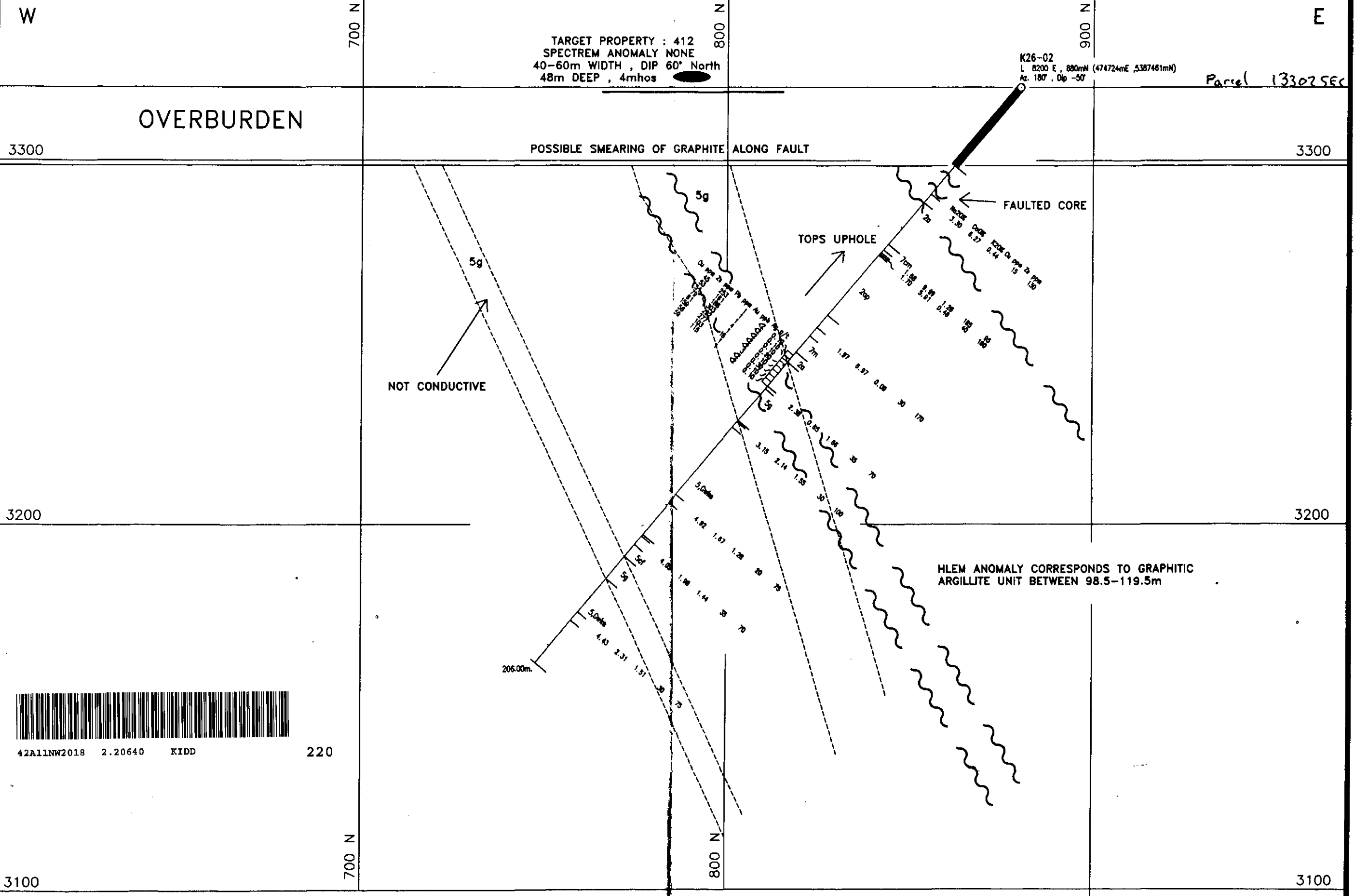
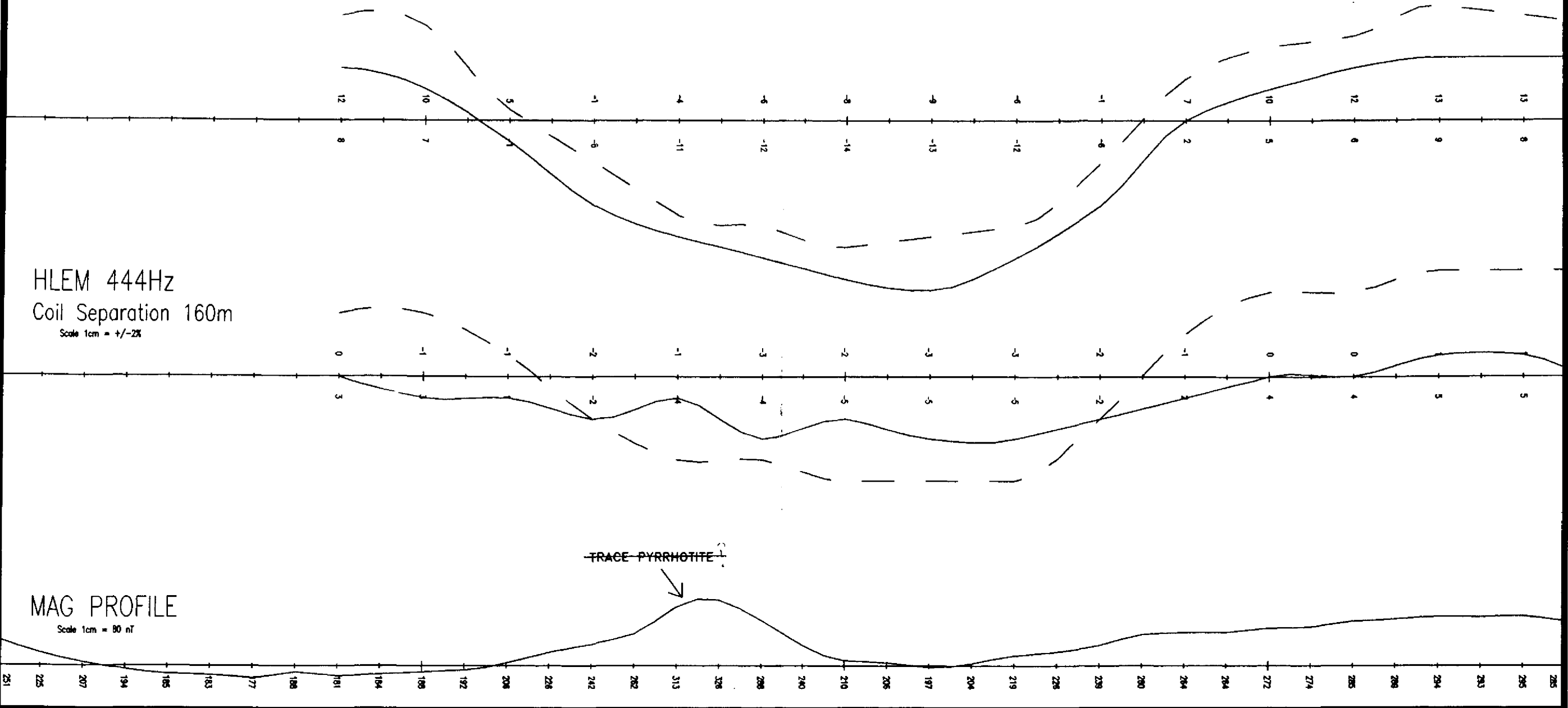


FALCONBRIDGE LIMITED			
Exploration Division		Timmins, ONTARIO	
Plan View Diamond Drilling K26-01 and K26-02 Kidd Township			
TRACED & Checked	DATE: 1008	MTS	PROJECT
DRAWN:	DATE:	MAP No:	FILE:
SUPERVISED:	DATE:		
N-NO	S-NO		

HLEM 1777Hz
Coil Separation 160m
Scale 1cm = +/-4%

HLEM 444Hz
Coil Separation 160m
Scale 1cm = +/-2%

MAG PROFILE
Scale 1cm = 90 nT



LEGEND

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

KIDD-HBED JV ASSAY TABLE K26-02																																				
SAMPL. No.	FROM (M)	TO (M)	Fe	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	TiO2	P2O5	MnO	CR2O3	LOI	SUM	Y	Zr	Cu	Zn	Ni	CR	FIELD NAME	CHEM ID	ALUM	CO	S	V	SE	SC	NB	MOO	CA/AL	NI/MO	SHAW	ZN/AL2
AUX2880	38.00	41.00	3.0	51.05	13.06	6.27	4.40	3.30	0.44	14.55	2.40	0.31	0.25	3.46	96.46	80	200	15	130	10	55	2a	2(h)yt	130	105	0.18	410	10	30	20	0.42	0.48	2	54	39	
AUX2881	58.00	58.00	1.0	47.98	14.10	9.89	6.74	1.88	1.28	14.79	1.00	0.11	0.23	1.39	88.33	25	70	185	80	180	7a	7a	7a	109	45	0.18	320	5	30	10	0.52	0.71	12	41	57	
AUX2882	98.00	98.00	1.0	50.41	12.08	5.91	4.72	1.70	0.48	16.81	2.13	0.28	0.30	4.73	86.65	15	190	40	160	15	80	2a	2(h)yt	150	60	0.32	375	5	30	20	0.46	0.40	3	43	64	
AUX2883	98.50	99.50	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2884	101.00	101.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2885	101.00	102.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2886	102.00	104.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2887	104.00	104.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2888	104.00	105.50	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2889	105.50	107.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	

KIDD-HBED JV GEOCHEM TABLE K26-02																																				
SAMPL. No.	FROM (M)	TO (M)	Fe	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	TiO2	P2O5	MnO	CR2O3	LOI	SUM	Y	Zr	Cu	Zn	Ni	CR	FIELD NAME	CHEM ID	ALUM	CO	S	V	SE	SC	NB	MOO	CA/AL	NI/MO	SHAW	ZN/AL2
AUX2890	38.00	41.00	3.0	51.05	13.06	6.27	4.40	3.30	0.44	14.55	2.40	0.31	0.25	3.46	96.46	80	200	15	130	10	55	2a	2(h)yt	130	105	0.18	410	10	30	20	0.42	0.48	2	54	39	
AUX2891	58.00	58.00	1.0	47.98	14.10	9.89	6.74	1.88	1.28	14.79	1.00	0.11	0.23	1.39	88.33	25	70	185	80	180	7a	7a	7a	109	45	0.18	320	5	30	10	0.52	0.71	12	41	57	
AUX2892	98.00	98.00	1.0	50.41	12.08	5.91	4.72	1.70	0.48	16.81	2.13	0.28	0.30	4.73	86.65	15	190	40	160	15	80	2a	2(h)yt	150	60	0.32	375	5	30	20	0.46	0.40	3	43	64	
AUX2893	98.50	99.50	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2894	101.00	101.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2895	101.00	102.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2896	102.00	104.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2897	104.00	104.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2898	104.00	105.50	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	
AUX2899	105.50	107.00	1.0	61.51	18.0	1.88	1.53	0.42	0.1	17.0	0.50	0.15	0.15	4.08	88.58	80	230	30	170	50	155	7a	7(h)yt	140	50	0.18	415	10	30	20	0.42	0.55	10	37	88	

FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

FL / HBED JOINT VENTURE
GRID K26

LOOKING Az 270° KIDD Trp.

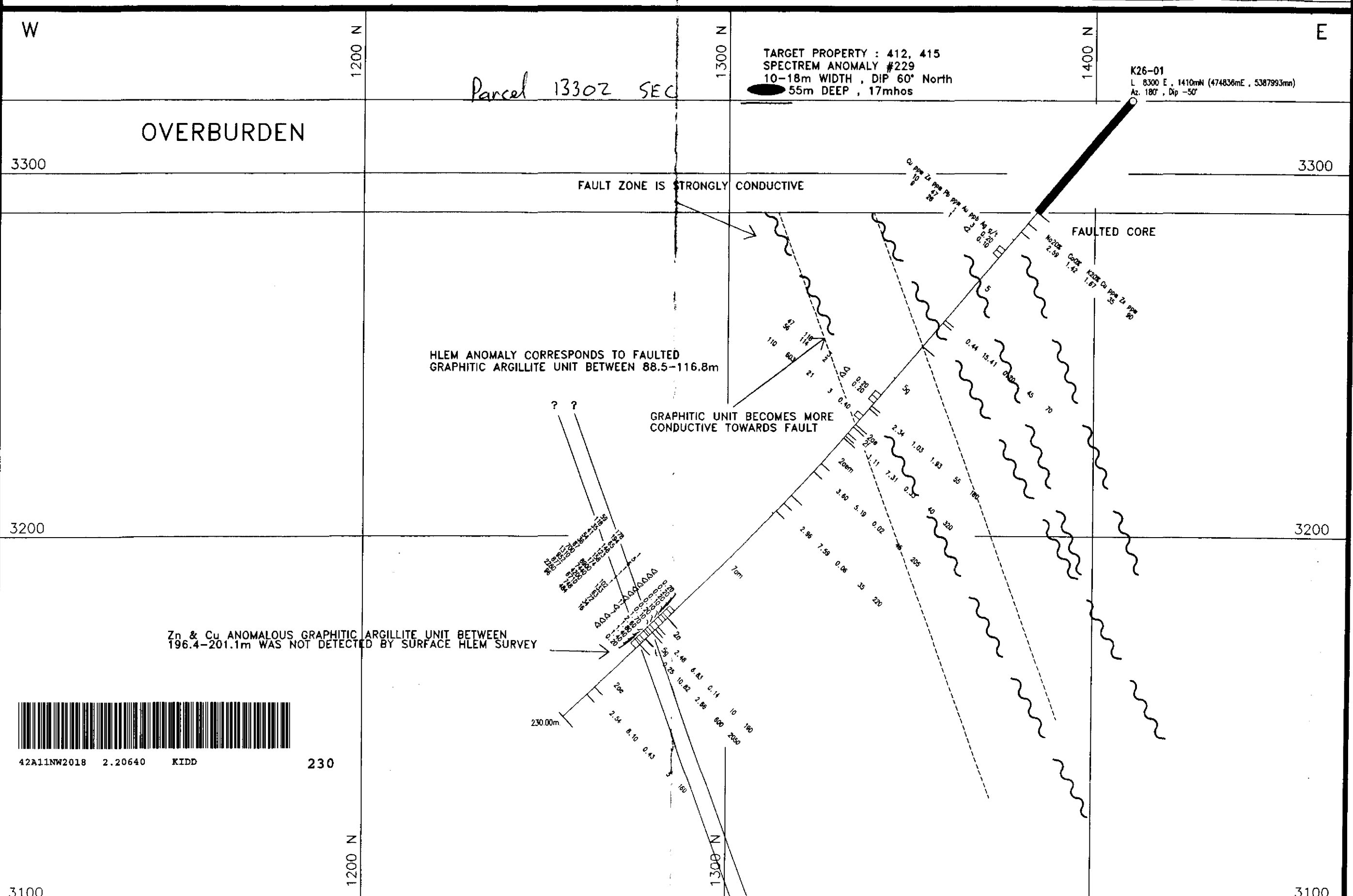
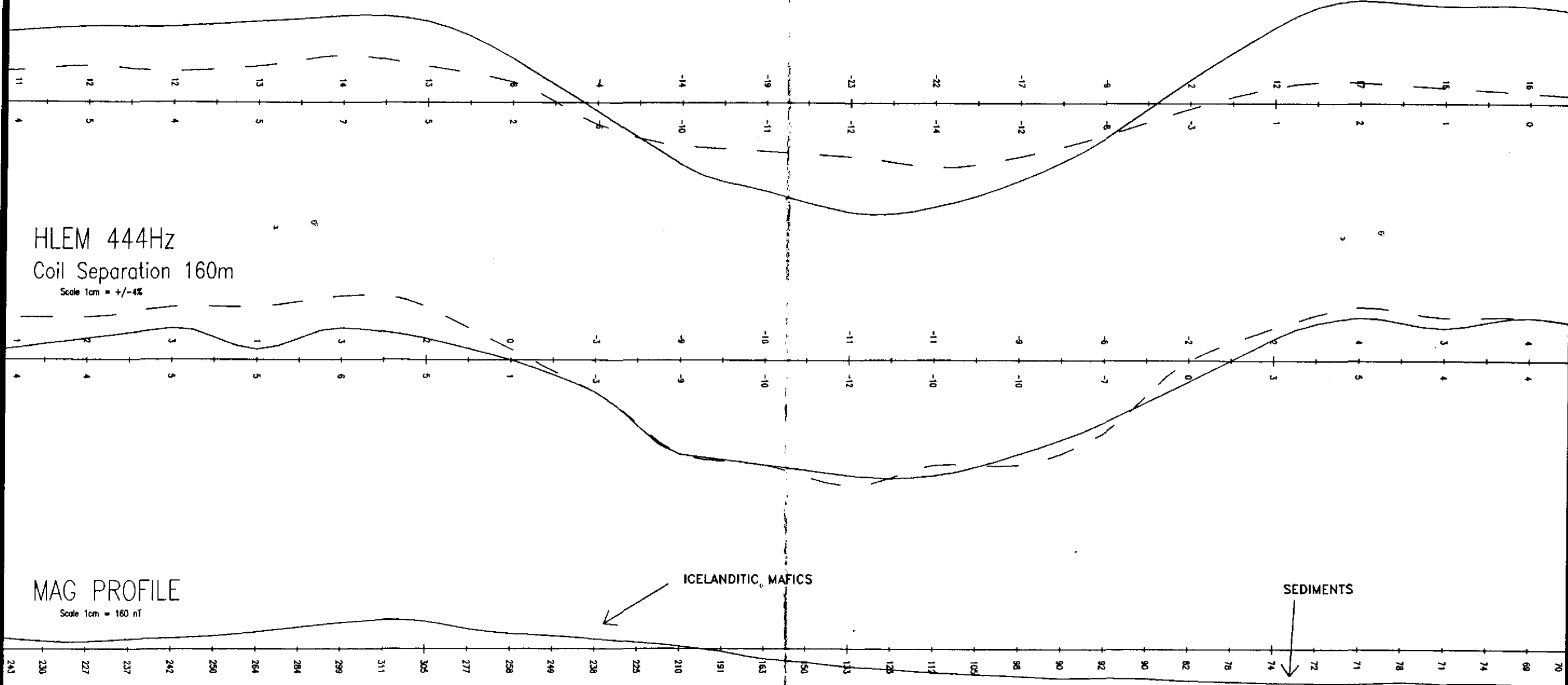
DIAMOND DRILL SECTION L 8200 E
DDH K26-02

TRACED: PROCEED DATE: 28/11/98 HTR: 42-A/14 & 11 PROJECT: 8034

DRAWN: GHI DRAFTING DATE: 08/04/98 MAP No: FILE: K26-02

SUPERVISED: D Richardson DATE: 08/04/98 SCALE: 1:1 000 (metres)

REVISION: DATE: 0 10 20 30 40



SAMPL. No.	FROM (M)	TO (M)	Fe	Cu	Zn	Pb	Ni	Au	Ag	Est. Ni	Est. Pb	Est. Cu	Est. Zn	Est. Fe	ROCK T
AU03110	53.60	55.00	1.4	10	47	1	39	3	0.2						Quartz
AU03111	55.00	56.40	1.4	9	26	1	22	2	0.1						Quartz
AU03112	106.00	107.50	1.5	47	118	3	43	4	0.2						5g
AU03113	107.50	109.00	1.5	56	114	2	49	3	0.2						5g
AU03114	113.50	115.00	1.5	110	603	21	84	3	0.4						7g
AU03115	186.00	187.50	1.2	59	178	1	61	3	0.2						quartz
AU03116	189.20	190.70	1.5	118	194	5	57	4	0.2						2g
AU03117	190.70	191.40	0.7	35	65	6	17	2	0.2						2g
AU03118	191.40	192.50	1.1	41	148	1	21	2	0.1						2g
AU03119	192.50	194.00	1.5	54	123	1	20	2	0.1						2g
AU03120	194.00	195.30	1.5	38	158	1	21	2	0.2						2g
AU03121	195.30	196.40	0.9	87	174	1	20	2	0.1						2g
AU03122	196.40	197.30	0.9	700	8900	102	243	17	1.7						5g
AU03123	197.30	197.90	0.6	1310	7440	133	202	2	2.6						5g
AU03124	197.90	199.40	1.5	952	4200	63	117	7	1.8						5g
AU03125	199.40	200.50	1.1	877	8710	72	162	2	1.4						5g
AU03126	200.50	201.10	0.6	2290	748	34	98	2	1.4						5g
AU03127	201.10	202.60	1.5	96	484	16	31	2	0.2						2g

SAMPL. No.	FROM (M)	TO (M)	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	TiO2	P2O5	MnO	CR2O3	LOI	Si	Y	Zr	Cu	Zn	Ni	CR	FIELD NAME	CHEM ID	ALUM	DO	S	V	BE	SC	NB	MOJ	CA/VA	NI/AUGO	SH/KW	Zn/NA2
AU02879	44.00	47.00	3.0	64.74	16.36	1.42	1.25	2.59	1.67	3.67	0.72	0.07	0.07	4.93	99.82	15	160	35	80	5	70	5 Ome 5	324	15	0.08	100	5	15	<10	0.43	0.08	4	42	35	
AU02880	78.00	80.00	1.0	28.90	6.82	15.41	13.78	0.44	0.20	8.01	0.54	0.24	0.19	25.27	99.80	10	70	45	70	300	515	5 Ome 51	42	35	0.12	95	5	15	<10	0.81	2.28	22	47	159	
AU02881	110.00	111.00	1.0	65.01	18.40	1.03	1.36	2.34	1.83	3.83	0.75	0.07	0.04	4.85	99.71	15	160	55	160	5	70	5g	347	15	0.53	100	5	15	<10	0.45	0.06	4	49	68	
AU02882	120.00	121.00	1.0	45.99	11.80	7.31	4.42	1.11	0.33	17.99	2.85	0.42	0.36	7.82	99.80	50	230	40	320	25	75	2f	2(h)yz	133	50	1.83	315	15	30	<10	0.37	0.83	5	36	298
AU02883	131.00	134.00	3.0	51.81	12.85	5.19	5.07	3.60	0.02	13.71	2.92	0.46	0.19	3.88	99.70	160	250	45	205	10	100	20me	2(h)yz	146	55	0.52	350	20	35	10	0.47	0.40	3	37	57
AU02884	144.00	149.00	3.0	51.40	12.51	7.59	4.68	2.96	0.06	13.55	2.88	0.45	0.20	5.33	99.61	55	240	35	220	20	105	7m	7(h)yz	118	50	0.18	345	20	35	10	0.45	0.61	4	31	74
AU02887	194.25	195.30	1.1	46.56	11.77	6.83	4.41	2.48	0.14	18.27	2.24	0.28	0.34	8.51	99.63	55	200	10	190	20	85	2a	2(h)yz	925	40	0.25	320	15	30	<10	0.38	0.58	5	33	77
AU02885	198.90	199.00	0.1	35.84	7.49	10.82	1.20	0.25	2.66	21.29	1.26	0.19	0.36	17.84	99.20	30	130	800	2050	40	175	5g	51	55	36	10	15	<10	0.12	1.44	33	26	8200		
AU02886	218.00	221.00	3.0	53.33	11.84	8.10	3.39	2.54	0.43	12.75	2.29	0.37	0.28	4.06	99.51	45	180	5	180	5	35	2me	2(h)yz	108	35	0.10	210	15	25	<10	0.38	0.88	1	28	63

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

FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

FL / HBED JOINT VENTURE
GRID K26

LOOKING Az 270° KIDD Twp.

DIAMOND DRILL SECTION L 8300 E
DDH K26-01

TRACED PROCES DATE: 26/11/98 WTS: 42-A/14 & 11 PROJECT: 8034
 DRAWN: del DRAFTING DATE: 06/04/99 AMP No: FILE: K26-01
 SUPERVISED: D Richardson DATE: 06/04/99 SCALE: 1:1 000 (metres)
 REVISED: DATE: 10 30 40