

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 7.00	<ob>	Overburden				
7.00 TO 29.46	<2,b,p>	<p>Pillowed Mafic Volcanic</p> <p>Rather massive fine to coarse grained mafic extrusive. Rare pillow selvages, interflow breccias and amygdaloids.</p> <p>7.15-7.40 Interflow breccia</p> <p>7.40-8.85 Fine massive basalt</p> <p>8.85-10.77 Coarse grained with blade shaped pyroxene(?) and plagioclase laths.</p> <p>12.65-12.69 Magnetic, coarse grained massive mafic volcanic. Magnetite visible under scope.</p> <p>13.77- Quartz, epidote filled pillow selvage at 30 degrees TCA.</p> <p>14.69- Quartz, epidote filled pillow selvage.</p> <p>14.69-16.12 Coarse pyroxene phyrlic, massive mafic volcanic.</p> <p>16.12-16.55 Blotchy looking mafic rock with quartz filled breccia at bottom (possible flow contact, tops down hole).</p> <p>21.85-22.74 Magnetic interval, locally to 5.0, some mt visible under scope. Volcanics fine grained.</p> <p>22.74-24.92 Fine steely gray volcanic. Jointed, to brecciated down hole.</p> <p>24.92-28.78 Fine grained, magnetic, pillowed basalt. Chlorite rimmed quartz amygdaloids, core axis parallel cooling joints.</p> <p>28.78-29.00 Lost core and Quartz-epidote vein.</p> <p>29.00-35.85 Coarse plagioclase phyrlic mafic rock. Gradational upper contact, from clearly pillowed basalt (selvages) to more massive coarse mafic rock. Characteristic Quartz-Epidote-Chlorite alteration along fractures and in cavities. Occasional low core axis angle shears and lost core.</p> <p>35.85-</p>		<p>-Poorly defined, blotchy chloritization.</p> <p>-Chloritization at joints and in patches.</p> <p>-Increasing core brittleness and silicification down-hole. Patchy epidotization. Local pink (potassic) alteration at edges of basalt.</p> <p>-Bleaching and chloritization along fractures.</p> <p>Epidotization, chloritization and silicification in small cavities. -- All subtle alteration.</p> <p>-Quartz-Epidote vein.</p> <p>-Quartz-Epidote-Chlorite along fractures and in patches.</p>	<p>-Unit features uniform 1.5% disseminated pyrite mineralization. Pyrite grain size proportionate to silicate grain size.</p> <p>-Pyrite encrusted breccia fragments. 3% of sub interval.</p> <p>-High angle intra-pillow joints Py mineralized to 2% of interval. Quartz fills the centre of the joints.</p> <p>-Disseminated pyrite locally as high as 5%.</p> <p>-2% py along joints</p>	<p>ChemID says this unit has the chemistry of a High-Fe Tholeiitic (textitonal) Basalt</p> <p>Possible grit filled interflow contact showing tops down hole.</p> <p>- Weakly conductive along mineralized joints.</p> <p>-Locally magnetic to 35 MSU.</p> <p>Begins to look intrusive.</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
29.46 TO 95.13	<7,b,s>	<p>Fine-Medium Grained Diorite Dull gray intrusive. Mineralogy unclear, plagioclase crystals, other feldspars, mafic minerals equant. Equigranular texture. Not gabbro-textured.</p> <p>29.46-30.53 Obscure (arbitrary) upper contact between fine mafic volcanic and medium grained diorite, distinction based on appearance of feldspar-laths, and poikilitic plagioclase clots.</p> <p>30.53-30.82 Fractured medium-grained diorite.</p> <p>34.62-35.25 Low-angle quartz-chlorite-epidote filled shear. Very porous, lost core.</p> <p>39.31-39.47 Lost core in fracture.</p> <p>40.66-41.25 Sheared, altered interval.</p> <p>41.25-41.75 Ground core, fractured, altered diorite.</p> <p>41.75-43.74 Diorite with poikilitic plagioclase clots.</p> <p>43.74-61.58 Diorite with poikilitic plagioclase clots.</p> <p>61.58-62.00 Bleached diorite.</p> <p>63.67-64.12 Sheared, altered diorite. Shear at 40 degrees TCA.</p> <p>68.27-69.44 Sheared quartz-chlorite vein. Upper contact with chilled, fresh diorite. Shear fabric 30 degrees TCA.</p> <p>77.35-77.45 Quartz-chlorite-epidote shear.</p> <p>84.40-85.77 Fractured diorite.</p> <p>90.87-91.10 Quartz-chlorite-epidote shear. Shear fabric 30 degrees TCA.</p> <p>95.74-95.82 Quartz vein. Fresh looking.</p>		<p>-Pink potassic margins to sub-cm wide quartz veins. Quartz-epidote-chlorite in patches and filling fractures.</p> <p>-Quartz epidote veinlets form stockwork.</p> <p>-Quartz-chlorite-epidote vein.</p> <p>-Quartz-epidote vein.</p> <p>-Potassic-silica-epidote alteration causes pinky, blue bleached colouring.</p> <p>-Salmon coloured quartz-k-spar veins.</p> <p>-Frequent quartz-epidote veins and adjacent alteration.</p> <p>-Frequent quartz-epidote veins and contact alteration of diorite.</p> <p>-Quartz-epidote-chlorite alteration with minor quartz veining.</p> <p>-Quartz-epidote-potassic alteration with quartz veining.</p> <p>-Strong silicification and chloritization of diorite fragments in quartz vein, some chlorite clots in vein. Sheared blue quartz fragments in translucent sugary quartz.</p> <p>-Epidote, chlorite, quartz flooding.</p> <p>-Sharp fractures quartz-k-spar-epidote filled.</p> <p>-Epidote, chlorite, quartz filling of gash.</p> <p>-Replacement or space filling vein.</p>	<p>-Coarse disseminated pyrite at 2% of interval.</p> <p>-Pyrite mineralization in and at edges of veinlets to 5%.</p> <p>-3% Disseminated pyrite. 5% pyrite in chloritic portions of the vein.</p> <p>-3% Pyrite mineralization in quartz veins.</p> <p>-1% pyrite with veinlets.</p> <p>-1% pyrite with veinlets.</p> <p>-Pyrite mineralization to 3% in vicinity of altered fractures.</p> <p>-3% disseminated pyrite in vicinity of silicified diorite.</p> <p>-2% disseminated pyrite in quartz. 10% pyrite in and coating chloritized diorite fragments.</p> <p>-1% pyrite mineralization.</p> <p>-3% pyrite mineralization over interval.</p> <p>-2% pyritized mineralization.</p>	<p>-Frequent veins/shears at 15-25 degrees to core axis</p> <p>-Contact obscured because of similarity of fine diorite and overlying mafic volcanic. Plag-phyrlic diorite-fine basalt contact repeated several times over interval as a result of low-angle fracture offset.</p> <p>-Core is very porous. Lost core.</p> <p>-Porous, lost core.</p> <p>-Ground core.</p> <p>-Interval may be quite resistive (EM) despite pyrite in chloritized diorite fragments.</p> <p>High-Fe Tholeiite</p>
95.13 TO 100.27	<2,a,p>	<p>Pillowed Mafic volcanic Gray-green, fine grained rock with silicified, chloritized pillow selvages, interflow debris, hyaloclastic pillow tops. Sharp, fracture offset upper contact.</p> <p>95.13-95.56 Fresh fine grained mafic extrusive</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		rock. 95.56-95.71 In situ breccia or hyaloclastic breccia. Interflow. 95.71-96.80 Fresh, fine mafic rock with quartz filled fractures. 96.80-96.95 Hyaloclastite. 96.95-100.27 Fine mafic rock. Fine cooling fractures at upper contact.		-Low angle chlorite-quartz-epidote shear at 15 degrees TCA. Epidote-Quartz altered selvages.	-Pyrite mineralization to 2% at upper contact (with hyaloclastite).	-Possible pillow facing showing tops down hole (pillow with brecciated upper contact, cracked pillow base with pyrite mineralization).
100.27 TO 100.75	<5,E,g>	Graphitic Cherty Sediment Hard, black, pyritic, massive interflow sediment. Banding poorly to undeveloped. Upper contact obscure with mafic fragments in black siliceous/graphitic matrix. Lower contact sharp at 20 degrees TCA. 10% coarse, angular mafic fragments.			-5% pyrite in thin, smeared veins and coarse euhedral cubes. -note anomalous assay values of 3030ppm Zn, 545ppm Cu/0.48m	-Moderately conductive, not pure graphite. -note anomalous geochem
100.75 TO 139.44	<2,a,p>	Pillowed Mafic Volcanics Fine grained, pillowed, mafic volcanic. Occasional quartz filled amygdaloids. Mafic interflow fragmental, cherty interflow sediments. Mafic dominated interflow fragmental. 100.75-102.82 Mafic fragmental with clasts from cm to m scale. 102.82-106.23 Pillowed mafic volcanic. 106.23-111.09 Mafic fragmental and hyaloclastite. 111.09-117.05 Pillowed mafic volcanic. 117.05-117.32 Quartz-epidote-chlorite shear. 117.32-139.44 Pillowed mafic volcanic with bleached selvages and rare quartz filled		-Quartz-chlorite-epidote altered shears at low angle to core axis (15-25 degrees). Silicified breccia matrix. -Quartz-epidote altered pillow selvages. -Quartz-epidote-k-spar altered veins at high angle TCA. Quartz-chlorite-epidote shears at 30 degrees TCA. Strong pervasive apple-green epidotization and chloritization. Cm scale fresh quartz veins at 60 degrees TCA. -Qt-k-spar veins at 60 degrees TCA. Fine quartz-filled fractures at low angle TCA with 5mm wide quartz filled conjugate joints. -Quartz-epidote fracture filling, with k-spar in quartz. Chloritized sheared host rock at margins of vein. -Silicified, chloritized selvages. Patchy bleaching (silicification/	-Pyrite mineralization 5% over interval. Strongest mineralization in vicinity of sheared breccia. -1% disseminated pyrite. -Pyrite mineralization 5%, Sphalerite staining 0.5% over interval, increases in vicinity of pyrite strongest mineralization. -Pyrite mineralization in and around quartz-k-spar veins to 3% of interval. -Pyrite to 3% at edge of shear appears associated with chlorite. -Disseminated pyrite 0.5%. Cm scale Domains of 1% disseminated pyrite in	High-Al tholeiitic Basalt

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
139.44 TO 139.67	<5,E,*g>	amygdales. Banded Chert Interflow Sediment White to gray milky chert, banded on cm scale. Low to no sulphide, magnetite, graphite, chlorite.		chloritization) around fine fractures. Quartz filled fractures.	quartz veins and bleached wall-rock.	
139.67 TO 147.89	<2,e,D,p>	Amygdaloidal, Plagioclase Phyrlic, Mafic Volcanic Pale green fine groundmass with quartz filled amygdales and 2mm sized broken plagioclase phenocrysts. 139.67-140.40 Gray mafic volcanic with wacke filled selvage. 140.40-145.19 Milky amygdaloidal mafic volcanic. Unit becomes strongly sheared along 40 degrees TCA. 145.19-145.49 Sheared argillite bed. Mudstone and wacke beds are highly strained and sheared and appear "discy" along 40 degrees TCA. 145.49-147.89 Amygdaloidal basalt.		-Quartz-K-spar altered selvage margins. -Pervasive bleaching (silicification-chloritization) controlled by fine fracture network and dense vossicularity (dense amygdales). Common quartz filled fractures at 20 degrees TCA.		No graphite in sediment. Not conductive.
147.89 TO 149.56	<5,g,*g>	Graphitic Chert and Argillite 147.89-148.70 Discy mudstone, argillite, and graphitic cherty. 148.70-149.00 Graphite schist. 149.00-149.56 Graphitic chert. Banded chert-graphite-pyrite chemical sediment. Bedding between 0 and 10 degrees TCA. Brecciated Mafic Volcanic Gray-green mafic volcanic with up to 50% quartz vein as matrix. Shearing or fracturing roughly parallel to core axis.			-3% Disseminated pyrite. 5% pyrite beds 0.5 cm thick. -Some crumbled coarse pyrite. -5% bedded pyrite. -note anomalous geochem of 7240ppm Zn, 1660ppm Cu/1.67m	Moderately conductive. Strongly conductive. Ground core. Moderately conductive. note anomalous geochem
149.56 TO 165.75	<2,a,*t>	Sheared or Brecciated Mafic Volcanic Fine green to gray mafic volcanic with up to 50% quartz or quartz/k-spar vein. Vein orientation at very low angle to core axis. 149.56-160.81 Gray mafic volcanic with quartz veining. 160.81-165.75 Pale green mafic volcanic with quartz-k-spar veining.		-Fresh looking basalt with sugary, sheared quartz veins. -Bleached (silicified, chloritized, weak epidotized) mafic volcanic with		Basaltic Komatiite in composition?

HOLE NUMBER: W61-03

DRILL HOLE RECORD

DATE: 03/22/2000

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
165.75 TO 166.48	<5,E,g>	Graphitic, Cherty Chemical Sediment Finely banded, hard, competent dark gray sediment. Upper and lower contacts between 15 and 20 degrees TCA.		sheared quartz-k-spar (pink) veins. Sharp increase in wallrock alteration between intervals.		-Strongly conductive. -note anomalous geochem
166.48 TO 170.12	<1/2,a,*t>	Brecciated or Sheared (Ultra)Mafic Volcanic Light green or moderately bleached mafic volcanic sheared and fractured with quartz veins to 50% of the interval. Dominant fabric is parallel to core axis.		Bleached (silicified/chloritized), quartz veins.		ChemID says this is a pyroxenite
170.12 TO 171.15	<5,E,g>	Cherty, Graphitic Chemical Sediment. Black chert with thinly banded, convoluted or slumped fine pyrite bands.			Folded fine pyrite beds and stringers 5% of interval. -note anomalous geochem of 4100ppm Zn, 1970ppm Cu/1.03m	-Extremely conductive.
171.15 TO 203.00	<2,a,*t>	Sheared or Brecciated Basalt Gray to green fine grained mafic pieces with in-situ or jigsaw puzzle fit and sheared quartz veined interstacies. Very similar to above former 2,a,*t 171.15-171.53 Fine gray brecciated basalt. 171.53-172.45 Medium grained brecciated basalt 172.45-177.83 Fine dark gray brecciated basalt. 177.83-185.46 Light green fractured or sheared basalt. 185.46-194.25 Dark green fractured basalt. 194.25-198.75 Strongly sheared, quartz veined basalt. Light green coloured. 198.75-203.00 Dark gray-green fractured basalt.		Pervasive quartz veining. -Stronger bleaching, chloritization and silicification, likely increasing with increasing brecciation. Rare traces of pink k-spar in quartz veins. Patchy epidotization with strong bleaching. -Quartz veining, more fresh than previous interval. -Strong curvilinear quartz veins with chloritized silicified basalt pieces. -Quartz filled veins.		-No notable sulphide mineralization.
203.00 TO 203.00	<EOH>	End of Hole.				

HOLE NUMBER: W61-03

DRILL HOLE RECORD

LOGGED BY: Chris Wright

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HOLE NUMBER : W61-03

ASSAYS SHEET

DATE: 22/03/2000

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
KA03013	68.27	69.44	1.17	42	53	123	38	<2	1.8		19			1.31			<5									qt-ch 5,g
KA03018	100.27	100.75	0.48	545	3030	3	98	27	0.5		42			1.65			10									2,a,p
KA03014	106.22	107.00	0.78	95	134	1	46	<2	0.2		33			0.66			<5									2,a,p
KA03015	107.00	108.00	1.00	124	167	2	64	10	0.3		45			1.04			<5									2,a,p
KA03016	108.00	109.00	1.00	114	207	3	58	21	0.3		50			1.76			9									2,a,p
KA03017	109.00	110.00	1.00	106	131	1	59	27	0.2		41			1.15			<5									2,a,p
KA03023	147.89	149.56	1.67	1660	7240	42	444	17	1.9		110			4.55			95									5,g,*g
KA03024	165.75	166.48	0.73	534	1490	18	529	31	0.6		67			2.35			<5									5,B,g
KA03025	170.12	171.15	1.03	1970	4100	28	560	45	2.0		115			4.32			<5									5,B,g

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ASSAYS SHEET

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HOLE NUMBER : W61-03

GEOCHEMICAL ASSAY

DATE: 22/03/2000

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
KA03009	8.00	11.00	3.00	52.33	13.64	8.16	4.90	3.48	1.36	12.02	1.91	0.19	0.22		1.41	99.62	45	140	560	105	160	60	125	2,a,p	2(h)v	105
KA03010	21.00	23.00	2.00	53.57	12.74	7.37	3.24	3.73	0.90	11.95	2.50	0.25	0.23		3.31	99.79	60	190	450	95	150	50	80	2,a,p	2(h)vB	106
KA03011	32.00	35.00	3.00	51.21	13.59	9.03	5.15	3.92	1.26	11.68	1.83	0.18	0.24		1.40	99.49	45	130	320	100	115	55	95	8,b	7hv	96
KA03012	62.00	65.00	3.00	52.76	13.20	9.78	5.26	3.37	0.65	10.72	1.82	0.18	0.23		1.63	99.60	40	130	300	75	120	70	165	8,b	7(h)v	96
KA03019	97.00	100.00	3.00	50.95	13.74	8.02	4.49	2.49	0.37	13.71	1.96	0.19	0.35		3.28	99.55	50	140	130	105	155	65	100	2,a,p	2hvB	126
KA03020	125.00	128.00	3.00	54.16	15.07	9.75	5.23	3.69	0.46	8.29	1.30	0.11	0.21		1.49	99.76	30	80	150	95	110	75	245	2,a,p	2hw	108
KA03021	158.00	160.75	2.75	38.47	7.75	18.31	14.37	0.64	0.17	10.47	0.35	0.03	0.23		8.70	99.49	10	20	40	60	40	510	2655	2,a,*t	1Hl	41
KA03022	161.00	164.00	3.00	40.96	8.32	25.81	5.27	1.61	0.31	9.20	0.36	0.03	0.51		6.94	99.32	15	20	90	35	120	950	3125	2,a,*t	4hA	30
KA03026	168.00	191.00	23.00	42.97	7.49	10.16	21.23	0.31	0.04	10.71	0.35	0.03	0.16		5.98	99.43	10	20	20	30	70	920	2765	2,a,*t	1J	71

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GEOCHEMICAL ASSAY

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GEOCHEMICAL ASSAYS

DATE: 22/03/2000

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		
KA03009	8.00	11.00	3.00						55		0.14	360																			
KA03010	21.00	23.00	2.00						60		0.46	355																			
KA03011	32.00	35.00	3.00						55		0.34	350																			
KA03012	62.00	65.00	3.00						55		0.36	320																			
KA03019	97.00	100.00	3.00						60		0.56	355																			
KA03020	125.00	128.00	3.00						50		0.12	290																			
KA03021	158.00	160.75	2.75						65		0.06	125																			
KA03022	161.00	164.00	3.00						70		0.26	145																			
KA03026	168.00	191.00	23.00						70		0.03	125																			

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GEOCHEMICAL ASSAYS

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BOLE NUMBER : W61-03

GROCHEMICAL ASSAYS

DATE: 22/03/2000

Sample	From (M)	To (M)	Leng. (M)	SM PPM	KU PPM	GD PPM	DY PPM	ER PPM	LJ 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	NI/MGO	ISHIKW	ZN/NA2
KA03009	8.00	11.00	3.00														5						40		0.49	0.60	12	35	46
KA03010	21.00	23.00	2.00														5						40		0.39	0.58	15	27	40
KA03011	32.00	35.00	3.00														5						40		0.51	0.66	11	33	29
KA03012	62.00	65.00	3.00														5						40		0.54	0.74	13	31	36
KA03019	97.00	100.00	3.00														5						40		0.44	0.58	14	32	62
KA03020	125.00	128.00	3.00														5						40		0.60	0.65	14	30	30
KA03021	158.00	160.75	2.75														<5						20		0.77	2.36	35	43	62
KA03022	161.00	164.00	3.00														<5						20		0.58	3.10	180	17	75
KA03026	168.00	191.00	23.00														<5						20		0.83	1.36	43	67	226

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GROCHEMICAL ASSAYS

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HOLE NUMBER : W61-03

GEOCHEMICAL ASSAYS

DATE: 22/03/2000

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
KA03009	8.00	11.00	3.00		30	
KA03010	21.00	23.00	2.00		30	
KA03011	32.00	35.00	3.00		20	
KA03012	62.00	65.00	3.00		20	
KA03019	97.00	100.00	3.00		30	
KA03020	125.00	128.00	3.00		20	
KA03021	158.00	160.75	2.75		<10	
KA03022	161.00	164.00	3.00		<10	
KA03026	168.00	191.00	23.00		<10	

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GEOCHEMICAL ASSAYS

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Declaration of Assessment Work Performed on Crown Lands

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

Transaction Number (office use) <i>W0060.00446</i>
Assessment Files Research Imaging



42A11NW2017 2.20694 WARK 900

subsection 66(2) of the Mining Act. Under section 8 of the Mining Act, this work and correspond with the mining land holder. Questions about this Act may be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, N2S 2L7.

Instructions: - For work performed on mining lands, use form 0241.
- Please type or print in ink

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 GK STRINGER LTD	Client Number 223993
Address 146 RENISSON STREET P.O. BOX 998,	Telephone Number (705) 235-5426
SOUTH PORCUPINE, ONTARIO P0N 1H0	Fax Number (705) 567-2861

2. Type of work performed. Only regional surveys and prospecting work are allowed on Crown Lands before recording. For work performed after recording a claim or on other mining lands, use form 0241.

Work Type PHYSICAL (DIAMOND DRILLING)	Office Use
	Commodity
Dates Work Performed	Total \$ Value of Work Claimed <i>\$13605</i>
From Day 11 Month 10 Year 1999 To Day 16 Month 10 Year 1999	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Porcupine</i>
Township/Area WARK M or G-Plan Number (G-3989)	Resident Geologist District <i>Timmins</i>

Please remember to: - 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;
- provide proper notice to surface rights holders before starting work.

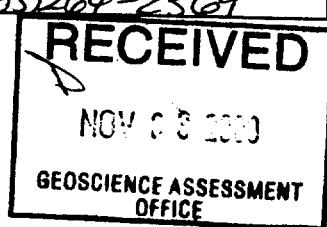
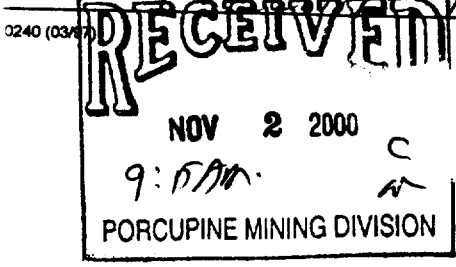
3. Person or companies who prepared the technical report (Attach a list if necessary)

Name GREG COLLINS	Telephone Number 1-(705)-264-5200 (EXT 8245)
Address BOX 1140, KIDD CREEK MINESITE, TIMMINS ON, P4N 7H9	Fax Number 1-(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	Date <i>Oct 27, 2000</i>
Agent's Address AVE, SCHUMACHER	Telephone Number <i>(705) 264-2369</i>
	Fax Number <i>(705) 267-8874</i>



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

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
DIAMOND DRILLING	203m	\$60/m	\$12,180
GEOLOGIST SALARY	5 days	\$250 /day	\$1,250
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
TRUCK AND FUEL	5 days	\$35 /day	\$175
Food and Lodging Costs			
Total Value of Assessment Work			\$13,605

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.

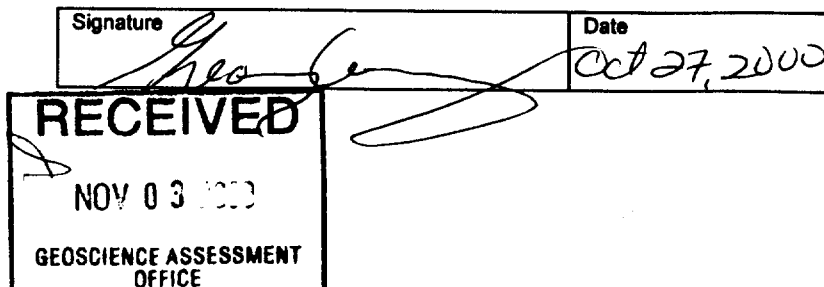
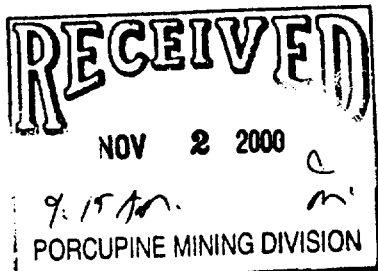
Note:

- 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)



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

Telephone: (888) 415-9845

Fax: (877) 670-1555

November 10, 2000

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

Visit our website at:

www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.20694

Status

Subject: Transaction Number(s): W0060.00446 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: 2.20694

Date Correspondence Sent: November 10, 2000

Assessor: JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00446	1229113	WARK	Approval	November 09, 2000

Section:

16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

Greg Collins
TIMMINS, ON, CAN

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

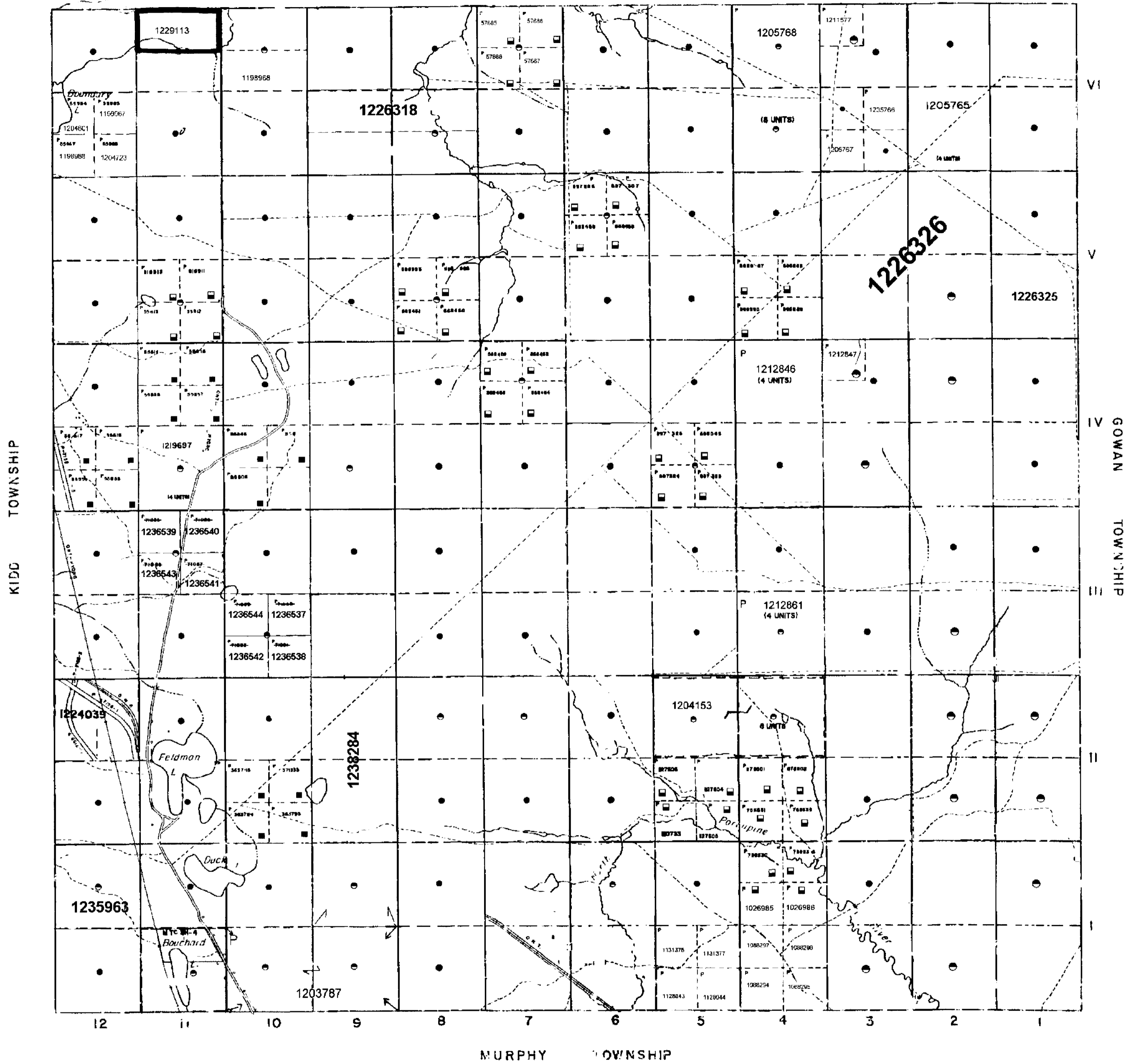
G.K. STRINGER LIMITED
SOUTH PORCUPINE, ONTARIO

AREAS WITHDRAWN FROM DISPOSITION

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

Description Order No. Date Disposition File

PROSPER TOWNSHIP



LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS, ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1913, CHAP. 380, SEC. 43, SUBSEC. 1

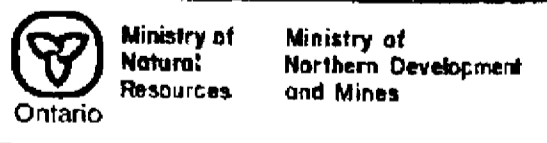


SCALE 1:20 000

MINING AND SURFACE RIGHTS REFERRED UNDER SECTION 36 OF THE MINING ACT, CHINA BRASS CO. 2578, DATED DECEMBER 9, 1944

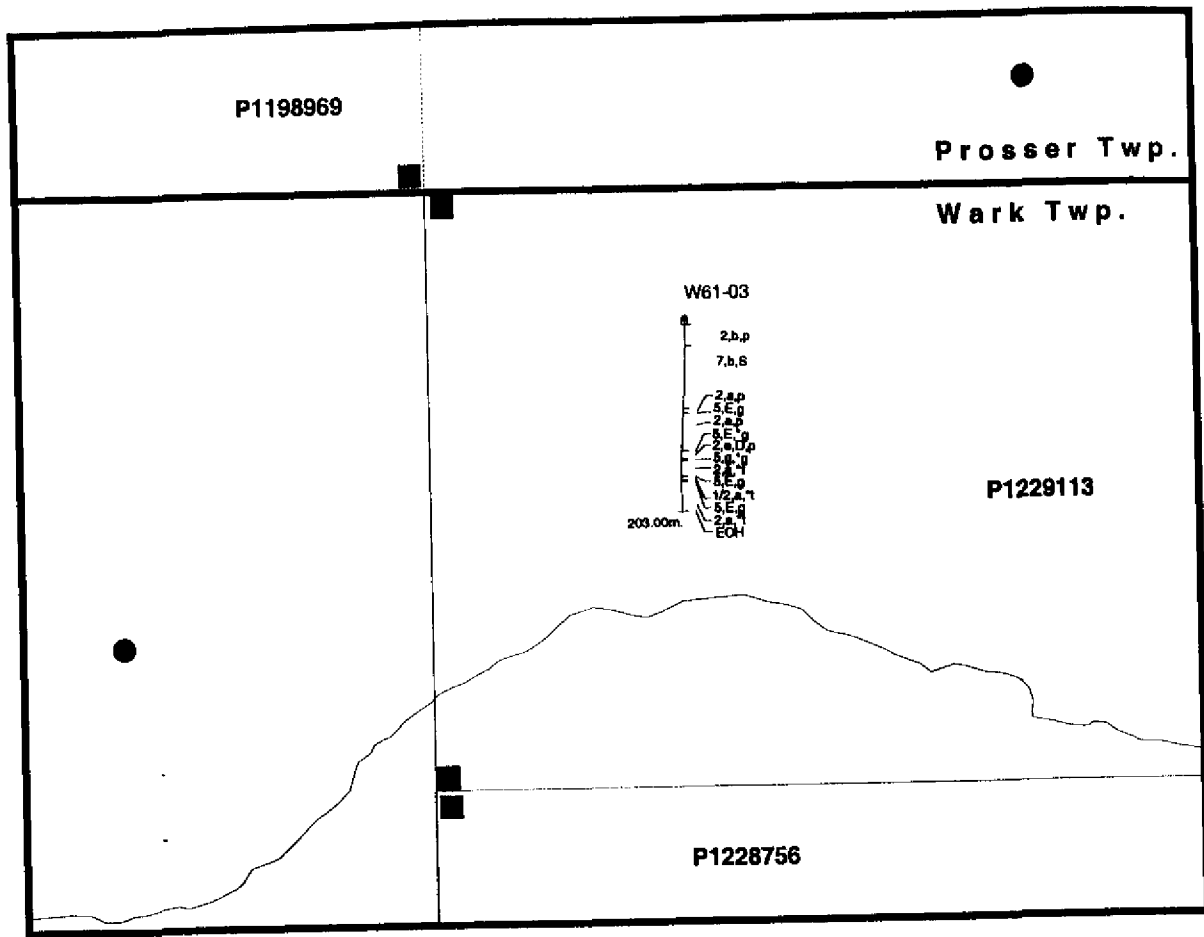
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

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



Date: SEPTEMBER 1986
 G-3989





LEGEND

Geology		ALTERATION MODIFIERS		TEXTURAL/STRUCTURAL MODIFIERS	
MAJOR ROCK DIVISIONS	TEXTURAL/GEOCHEMICAL MODIFIERS	ALTERATION MODIFIERS	ALTERATION MODIFIERS	TEXTURAL/STRUCTURAL MODIFIERS	TEXTURAL/STRUCTURAL MODIFIERS
15 TO BE ANNOUNCED	Primitiv (Y<20)	<Ab> Abitization	<Ab> Abitization	<Tuff> Tuff (0.7%-2mm)	<Tuff> Tuff (0.7%-2mm)
14 HURONIAN SUPERGROUP	Evolved (Y>20-60)	<Sb> Bleached	<Sb> Bleached	<Lsuff> Lsuff (2-64mm)	<Lsuff> Lsuff (2-64mm)
13 METAMORPHIC (Unknown)	Degreting	<Ca> Carbonaceous	<Ca> Carbonaceous	<Clss> Clss (0.7%-284mm)	<Clss> Clss (0.7%-284mm)
12 GNEISS	Dispar Phytic	<Ch> Chert	<Ch> Chert	<Thl> Thick Laminated	<Thl> Thick Laminated
11 SCHIST	Wacke	<Fe> Fe Oxidation	<Fe> Fe Oxidation	<Irc> Iron Carbonization	<Irc> Iron Carbonization
10 DIABASE	Leucopane Bearing	<Hm> Hematization	<Hm> Hematization	<Jm> Jm	<Jm> Jm
9 FELSIC INTRUSIVE ROCKS	Basaltic Komatiite	<Po> Potassic Alteration	<Po> Potassic Alteration	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
8 INTERMEDIATE INTRUSIVE ROCKS	Pyroxenite	<Rst> Rust Stained	<Rst> Rust Stained	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
7 MAFIC INTRUSIVE ROCKS	Vel. fractured	<Sts> Siliceous	<Sts> Siliceous	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
6 ULTRAMAFIC INTRUSIVE ROCKS	Pertolite	<Ssm> Ssm	<Ssm> Ssm	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
5 SEDIMENTARY ROCKS	Dunite	<Ssm> Ssm	<Ssm> Ssm	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
5,s SULPHIDE (>40%)	Ophiolitic	<Tc> Talc Carbonized	<Tc> Talc Carbonized	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
5,RWV REWORKED VOLCANIC DEBRIS	Polysutured	<Tc> Talc	<Tc> Talc	<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
5,r OXIDE IRON FORMATION	Fractured			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
4 FELSIC VOLCANIC ROCKS	Gabbroic Textured			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
3 INTERMEDIATE VOLCANIC ROCKS	Pyroxene Spinifex			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
3,C HETEROLITHIC VOLCANIC ROCKS	Olivine Spinifex			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
2 MAFIC VOLCANIC ROCKS	Skeletal/Crescumulate			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
1 ULTRAMAFIC VOLCANIC ROCKS	Accumulate			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	Rescumulate			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	Oxide Iron Formation			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	Exhalites			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	High Mg			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	High Al			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	Archean			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	Islandic			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)
	Highly Evolved (Y>60)			<Ssuff> Ssuff (2-4mm)	<Ssuff> Ssuff (2-4mm)

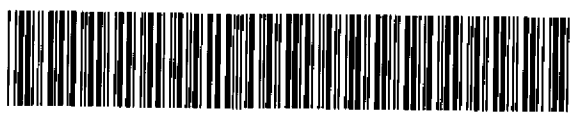
ASTRONOMIC



FALCONBRIDGE LIMITED
 Exploration Division
 Timmins, ONTARIO

W 61-03 Plan Map

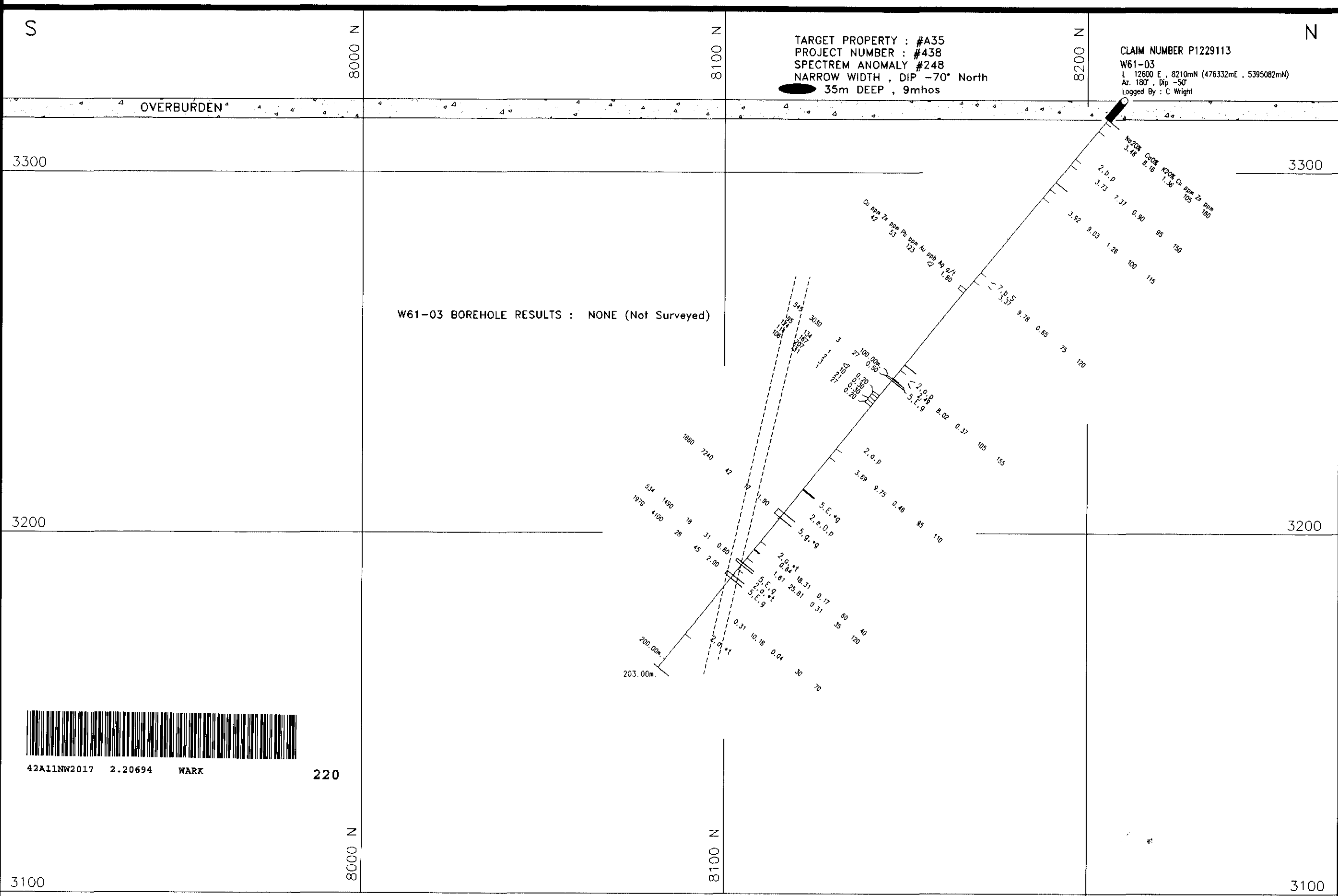
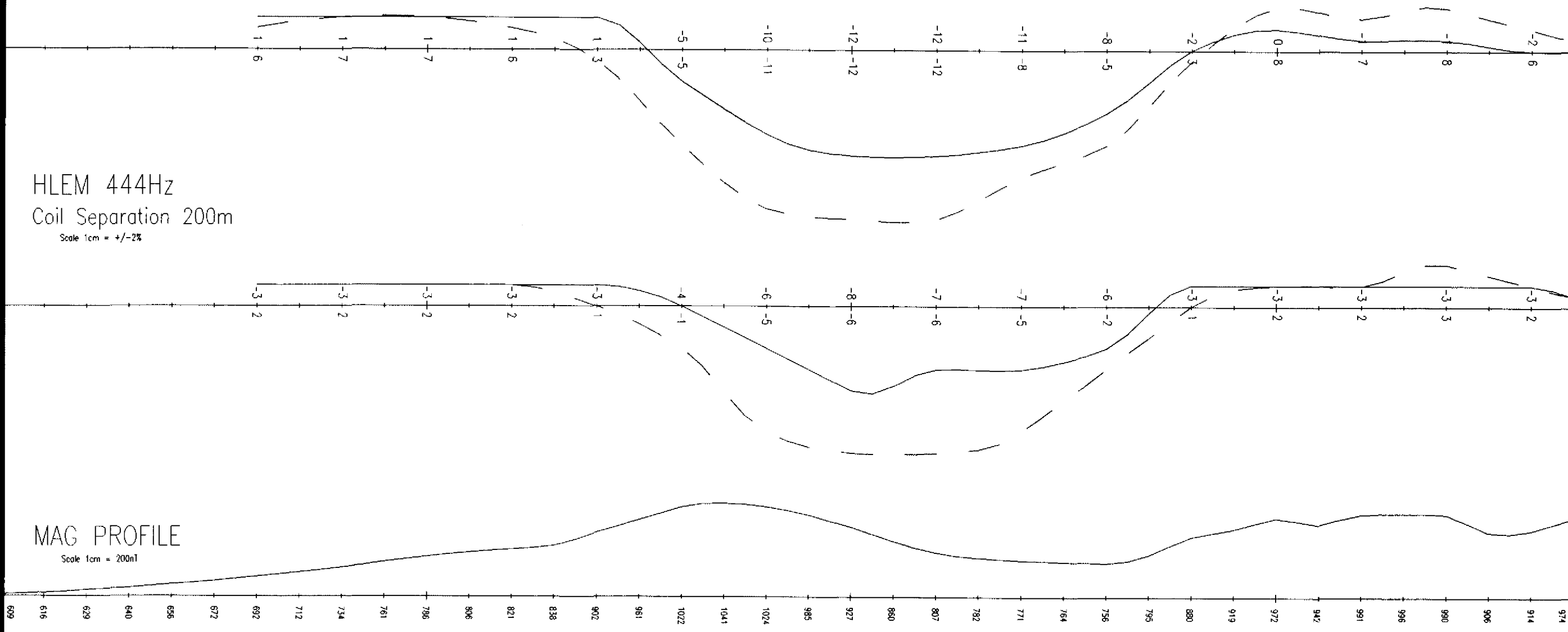
SCALE: 1:5,000



HLEM 1777Hz
Coil Separation 200m
Scale 1cm = +/-4%

HLEM 444Hz
Coil Separation 200m
Scale 1cm = +/-2%

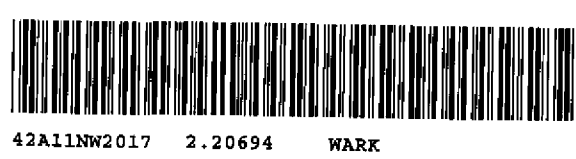
MAG PROFILE
Scale 1cm = 200nT



W61-03 BOREHOLE RESULTS : NONE (Not Surveyed)

TARGET PROPERTY : #A35
PROJECT NUMBER : #438
SPECTREM ANOMALY #248
NARROW WIDTH , DIP -70° North
35m DEEP , 9mhos

CLAIM NUMBER P1229113
W61-03
L 12600 E , 8210mN (476332mE , 5395082mN)
Az. 197° Dip -50°
Logged By : C. Wright



220

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

KIDD-HBED JV ASSAY TABLE W61-03																		
SAMPL. No.	FROM (M)	TO (M)	wt (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Ag ppm	Co ppm	S ppm	As ppm	Est. Ni %	Est. Po %	Est. Py %	Est. Cp %	Est. Sp %	Est. G %	ROCK T
KAO3013	88.27	69.44	1.2	42	53	123	38	<2	1.8	19	1.31	<5						qt-z
KAO3018	100.27	100.75	0.5	545	3030	3	98	27	0.5	42	1.65	10						5.g
KAO3014	106.22	107.00	0.8	95	134	1	46	<2	0.2	33	0.68	<5						2.o.p
KAO3015	107.00	108.00	1.0	124	167	2	64	10	0.3	45	1.04	<5						2.o.p
KAO3016	108.00	109.00	1.0	114	207	3	58	21	0.3	50	1.78	9						2.o.p
KAO3017	109.00	110.00	1.0	106	131	1	59	27	0.2	41	1.15	<5						2.o.p
KAO3025	147.89	149.58	1.7	1860	7240	42	444	17	1.9	110	4.55	95						5.e.g
KAO3024	165.75	166.48	0.7	534	1490	18	529	31	0.6	67	2.35	<5						5.e.g
KAO3026	170.12	171.15	1.0	1970	4100	28	560	45	2.0	115	4.32	<5						5.e.g

KIDD-HBED JV GEOCHEM TABLE W61-03																																				
SAMPL. No.	FROM (M)	TO (M)	wt (M)	SiO2 %	Al2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	TiO2 %	P2O5 %	MnO %	LOI %	SUM %	Y PPM	Zr PPM	Cu PPM	Zn PPM	Ni PPM	OR PPM	FIELD NAME	CHEM ID	ALUM	CO PPM	S PPM	Y PPM	BE PPM	SC PPM	MB PPM	MOOF	CA/AL	NI/MG	ISH/KW	ZN/AZ	
KAO3009	8.00	11.00	3.0	52.33	13.64	8.16	4.90	3.48	1.36	12.02	1.91	0.10	0.22	1.41	99.62	45	140	560	105	160	50	125	2.o.p	7(h)v	105	55	0.14	360	5	40	30	0.49	0.80	12	35	46
KAO3010	21.00	23.00	2.0	53.57	12.74	7.37	3.24	3.73	0.90	11.95	2.50	0.25	0.23	3.31	99.79	60	190	450	95	150	80	2.o.p	7(h)w	108	60	0.46	355	5	40	30	0.39	0.58	15	27	40	
KAO3011	32.00	35.00	3.0	51.21	13.59	9.05	5.15	3.92	1.26	11.68	1.83	0.18	0.24	1.40	99.49	45	130	320	100	115	95	8.b	7(h)	96	55	0.34	350	5	40	20	0.51	0.66	11	33	29	
KAO3012	62.00	65.00	3.0	52.76	13.20	9.78	5.26	3.37	0.65	10.72	1.82	0.18	0.23	1.63	99.60	40	130	300	75	120	70	165	8.b	7(h)	96	55	0.36	320	5	40	20	0.54	0.74	13	31	36
KAO3019	97.00	100.00	3.0	50.95	13.74	8.02	4.49	2.49	0.37	13.71	1.96	0.19	0.35	3.28	99.55	50	140	130	105	155	65	100	2.o.p	2(h)v	126	60	0.56	355	5	40	30	0.44	0.58	14	32	62
KAO3020	125.00	128.00	3.0	54.16	15.07	9.75	5.23	0.69	0.46	8.29	1.30	0.11	0.21	1.49	99.76	30	80	150	95	110	75	245	2.o.p	2(h)	108	50	0.32	290	5	40	20	0.50	0.65	14	30	30
KAO3021	158.00	160.75	2.8	35.47	7.75	16.31	14.37	0.64	0.17	10.47	0.35	0.03	0.23	0.70	99.49	10	40	60	40	518	2655	2.o.p	1(h)	41	65	0.06	125	<5	20	<10	0.77	2.36	35	43	62	
KAO3022	161.00	164.00	3.0	40.96	8.32	25.81	5.27	1.61	0.31	9.20	0.36	0.03	0.51	6.94	99.32	15	20	90	35	120	950	1125	2.o.p	1(h)	30	70	0.28	145	<5	20	<10	0.58	3.10	80	17	75
KAO3026	168.00	191.00	23.0	42.97	7.49	10.18	21.23	0.31	0.04	10.71	0.35	0.03	0.16	5.98	99.43	10	20	20	30	70	920	2785	2.o.p	1(h)	71	70	0.03	125	<5	20	<10	0.83	1.36	43	67	225

FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

FL / HBED JOINT VENTURE
GRID W61

LOOKING Az 270° WARK Twp.

DIAMOND DRILL SECTION L 12600 E
DDH W61-03

TRACED: PRODES DATE: 20/03/2000 WTS: 42-A/11 PROJECT: 438

GRAPHIC: del GRAPTING DATE: 22/03/2000 Property: A35 FILE: W61-03

SUPERVISED: G Deschutter DATE: 17/03/2000 SCALE: 1:1 000 (metres)

REVISED: DATE: SCALE: 1:1 000 30 40