

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 22.00	< ob > Overburden	Overburden 22m of casing put down in muddy, water saturated soil (NW pulled, BW left in hole)				
22.00 TO 26.26	<3,*a,D> Qt-Fel-Bi schist	INTERMEDIATE QUARTZ-FELDSPAR-BIOTITE SCHIST (Intermediate feldspar phyrlic tuff) -unit is very finely mottled (appears black to unaided eye) dark grey and black; very weakly magnetic, relative hard and very weakly foliated -weak foliation is imparted by the alignment of the very fine grained biotite -interval is composed of 30% very fine grained quartz, 30% very fine grained feldspar and 40% very fine grained biotite -rare 0.5-1mm creamy white feldspar phenocrysts (e.g. @26.05m) 24.60-24.65 < S2=60° > -lower contact is gradational and is marked by the change in colour of the core (to a lighter grey) and a better defined foliation/bedding fabric		-minor intervals (5cm wide) of coarser biotite associated with quartz veining	-trace amounts of very fine blebs to streaks of pyrrhotite throughout unit	-good core recovery for unit (RQD=90%) -metamorphic grade and amount of deformation appears appreciably lower at the beginning of this hole (lower to middle greenschist?) -the apparent repetition of the next few units probably represents structural repetition of geology through isoclinal folding
26.26 TO 29.56	<5,*a,D> Qt-Fel-Bi schist	FELSIC QUARTZ-FELDSPAR-BIOTITE SCHIST (felsic feldspathic sediment) -unit is laminated to banded multiple shades of grey with light grey and black minute dots/specs -unit is appreciably lighter in colour than the overlying unit -interval is composed of very finely recrystallized quartz (75%), 10-15% 1-2mm sized feldspar phenocrysts and 10-12% fine biotite -excellent evidence for folding as the bedding/banding changes from 55° @ 28.5m to 0° at 29.20m (fold nose) -the mineral foliation imparted by the alignment of biotite (44° to CA; weakly developed) is almost normal (orthogonal) to the		-very weak patchy sericitization is manifested in cm scale bands	-trace pyrite finely disseminated throughout	-broken core/rubble from 29.40-29.55m

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		layering/bedding (50° to CA; strongly developed); e.g. @ 26.95m #27.90-27.95#<S0=50°> #27.90-27.95#<S2=44°> -lower contact is gradational				
29.56 TO 38.44	<5,*a,D> Qt-Fel-Bi schist	INTERMEDIATE QUARTZ-FELDSPAR-BIOTITE SCHIST (intermediate feldspathic sediment) -same as 22.00-26.26m but perhaps with a higher biotite content 34.34-37.60m: milky to glassy white and "clean" quartz vein; most of the vein is broken/rubbly (RQD=5%) #32.85-32.90#<S2=48°> lower contact is sharp and irregular and is marked by the abrupt disappearance of the disseminated sulphides and a drop in the feldspar phenocryst content		-no alteration phases seen	5-7% finely disseminated pyrrhotite throughout most of unit -unit is moderately sulphidized at the bottom contact with 10-12% finely disseminated pyrrhotite + pyrite (weakly conductive) #37.60-38.44#<PoD7%PyD7%>	-badly broken core from 34.43-37.60m (quartz vein)
38.44 TO 43.42	<5,*a,D> Qt-Fel-Bi schist	FELSIC QUARTZ-FELDSPAR-BIOTITE SCHIST (felsic feldspathic (banded) sediment) -same as 26.26-29.56m -sulphides at the upper contact appear as thin linear bands (reflect original bedding?) 40.60m-difference between S0 and S2 is increasing #40.60-40.65#<S0=80°> #40.60-40.65#<S2=35°> -lower contact is gradational		-strong pervasive silicification from 38.44-39.14m #38.44-39.14#<SiPS> -very weak patchy carbonitization throughout	-5-7% blebby to disseminated pyrite from 38.44-39.14m #38.44-39.14#<PyD5-7%>	excellent core recovery for this unit (RQD=100%)
43.42 TO 51.52	<5,*a,D> Qt-Fel-Bi schist	INTERMEDIATE QUARTZ-FELDSPAR-BIOTITE SCHIST (intermediate feldspathic sediment) -same as 22.00-26.26m		-nil	-very trace fine grained pyrite disseminated throughout unit	

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		#49.50-49.55#<S2=44°> -lower contact is gradational				
51.52 TO 60.00	<5,*a,D> Qt-Fel-Bi schist	FELSIC QUARTZ-FELDSPAR-BIOTITE SCHIST (felsic feldspathic (banded) sediment) -same as 26.26-29.56m		-weak to moderate fracture controlled sericitization and chloritization imparts a weak banding to the core	-nil to trace pyrrhotite + pyrite blebs, occasionally stretched parallel to the schistosity	excellent core recovery for this unit (RQD=99%)
		#57.15-57.20#<S2=54°> -lower contact is sharp but broken				
60.00 TO 98.65	<5,a,g,cwck>> Graphitic argillite and greywacke	MIXTURE OF VARIABLY CONDUCTIVE GRAPHITIC ARGILLITE AND GREYWACKE -banded to striped charcoal grey medium grey and brassy yellow with minor intervals of coarser grained lighter grey material -very hard, very fine grained and weakly magnetic due to pyrrhotite content -unit is composed of variably sulphidic and conductive graphitic argillite (55-60%), 20-25% shorter intervals of finely laminated to banded light grey greywacke and 15-20% finely laminated to finely disseminated and blebby pyrite (conductive) -the graphitic argillite portion of the interval is not conductive; the sulphide portion within the sediment is moderately to strongly conductive 63.50-64.79m: more of a tuffaceous-looking rock with subrounded quartz and sulphide fragments to 1cm in size (10% of the interval); the sulphide content is sufficient to make the interval a very strong conductor 73.90-74.93m: rubble/broken core 75.40-76.10m: broken core 77.21-77.80m: intermediate tuffaceous rock 84.92-85.10m: highly sulphidic cherty breccia		-very weak fracture controlled silicification and carbonitization throughout 92.89-93.74m: strongly silicified felsic tuff	-overall the unit has 5-7% combined pyrite + pyrrhotite with local zones of semi-massive sulphides 84.92-90.10m: semi-massive pyrite + pyrrhotite as matrix filling/stringers and 0.5cm fragments within a felsic cherty (lapilli?) tuff/breccia #84.92-90.10#<PyF40-45%PoC10-12%> 85.26-85.50m: 10-12% finely laminated pyrite (conductive) 85.10-86.20m: weakly anomalous Zn values (1250-2390ppm Zn) 92.89-93.74m: 10-12% disseminated to laminated (matrix filling?) pyrrhotite + 8-10% finely disseminated and clastic pyrite within a cherty felsic tuff #92.93-93.74#<PoD10-12%PyDC8-10%> #93.99-95.02#<PoB12-15%PyC5-7%>	-multiple narrow conductors consist of sulphidic graphitic argillite and semi massive sulphides within coarse reworked sediment material 2310ppm Zn/1.29m (63.50-64.79m) 2390ppm Zn/0.68m (86.20-86.88m)

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		(50% sulphides; strong conductor)				
		85.10-87.50m: highly graphitic tuff (conductive) with 7-10% 5mm to 1.5cm subrounded slightly stretched felsic (quartz-rich) fragments				
		89.40-89.51m: rubble/gougy core				
		92.89-93.74m: sulphidic cherty/silicified sediment with lapilli-sized fragments; 20% combined po+py as blebs, stringers and fine to medium grained disseminations or clasts; 1-2% 0.5-2cm ghosty bright pistachio-green fragments (fuchsitic?)				
		{92.89-93.74} <5,*b,Si>				
		93.99-95.03m: 12-15% bedded to laminated po + 5-7% py clasts within graphitic tuff (10% subrounded felsic fragments)				
		{60.40-60.45} <S2=47°> bedding in sediment				
		{81.40-81.45} <S2=48°> bedding in sediment				
		{83.50-83.60} <S2=25°> folded laminated wacke				
		{96.35-96.40} <S2=61°> bedding in argillite				
		-lower contact is gradational and is marked by the appearance of elevated concentrations of sulphides				
98.65 TO 114.94	<5,*a,D,g,ul> Qt-Fel-Bi-G F-Sul schist	FELSIC QUARTZ-FELDSPAR-BIOTITE-GRAPHITE-SULPHIDE SCHIST (felsic feldspathic carbonaceous and strongly sulphidic sediment)		98.65-99.22m: very weak patchy carbonitization of the felsic clasts	{98.65-99.22} <PoF30-35%PyD15-20%>	-multiple narrow (10cm) to wide (1.5m) very strong sulphide conductors weak to moderately anomalous Zn content within this unit (200-4950ppm Zn/0.28-0.92m) WRA suggest the host rock is a sediment (variable Al2O3, TiO2, SiO2, P2O5 and low Zr, Y concentrations) -core recovery for this interval is very good (RQD=75-80%)
		-interval is a mixture of highly sulphidized (up to semi-massive Po+Py/1.5m) and silicified felsic looking sediment with lapilli sized fragments and variably sulphidized garphitic tuff; many excellent conductive intervals; overall sulphide content for the entire unit is approxiamtely 35% with po+py and trace to 1% finely recrystallized and disseminated sphalerite.				
		breakdown of this unit is as follows (all contacts are gradational):				
		98.65-99.22m: strongly sulphidic, variably				

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		graphitic, coarse grained felsic sediment (conglomerate to breccia?); 45-50% combined pyrrhotite+pyrite (strongly conductive) as stringers, matrix filling and clasts(?); angular to irregularly shaped milky white to light grey felsic fragments (silicified wacke?) to 3cm in size make up 20-25%; remainder (20-25%) comprises very weakly conductive, charcoal grey, carbonaceous argillite fragments #98.65-99.22#<5,s>		99.22-101.42m: moderate to strong silicification #99.22-101.12#<SiPS>		98.65-99.22m: strong sulphide conductor over 10cm core length broken core from 104.45-105.00m
		99.22-101.42m: sulphidized and silicified coarse sediment (conglomerate to breccia?); 40-45% combined pyrrhotite+pyrite (strongly conductive) as primarily matrix filling; subangular to angular milky white to grey felsic fragments (silicified wacke?) make up 50% of the unit with the remainder composed of weakly carbonaceous fragments; few fragments have a pistachio green colouring (fuchsite?) #99.22-101.42#<5,s>		101.42-102.63m: weak fracture controlled and patchy carbonitization	99.50-101.42m: 30-35% matrix filling brassy bronze pyrrhotite as matrix filling within the sediment/tuff; 5-10% recrystallized pyrite as small to large knots; 99.50-100.60m: 1-2% finely recrystallized blebby dark red brown sphalerite intimately associated with the pyrrhotite #99.50-100.60#<PoF35%PyD10%SphD1-2> #100.60-101.42#<PoF50%PyD5>	
		101.42-102.63m: sulphidic carbonaceous tuff; 25% combine sulphides hosted in a charcoal grey carbonaceous tuff (very weakly conductive) with 5-10% rounded glassy white to grey felsic fragments (lapilli-sized sediment fragments)		102.63-103.00m: weak fracture controlled carbonitization	#102.63-103.00#<PoC40%PyCD5%SphD2>	99.50-101.42m: excellent sulphide conductor over 50cm core lengths
		102.63-103.00m: 50% combine sulphides in a fine grained felsic sediment/tuff; very large pyrrhotite clast (10cm) and finely disseminated sphalerite #102.63-103.00#<5,s>		103.00-104.32m: very weak patchy silicification	103.00-104.32m: semi massive to massive pyrrhotite throughout most of interval; the Po is very dull in luster, highly fractured and spongy textured, weakly magnetic and strongly conductive #103.00-104.32#<PoM60>	-large pyrrhotite clast @ 102.80m is strongly conductive
		103.00-104.32m: carbonaceous and sulphidic sediment/tuff; 55-60% combined sulphides (very strong conductor); 10-15% angular milky white to waxy grey fragments and bands hint that this may have been a sulphide facies BIP; interval is weakly carbonaceous #103.00-104.32#<5,s>		very weak patchy carbonitization of the felsic looking fragments	trace to 3% finely disseminated pyrrhotite	103.00-104.32m: strong sulphide conductor
		104.32-105.51m: graphitic argillite; dull charcoal grey, smudges easily; trace to 3% disseminated pyrrhotite; rare (5%) subrounded chalky white quartz+/- carbonate clast (?);				

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		strong conductor; poor RQD for this subinterval (RQD=20%) #104.32-105.51#<5,a,g>			#105.80-105.86#<PyM85> conductive	104.32-105.51m: strong conductor (graphitic argillite); poor RQD for this subinterval (25%)
		105.51-107.62m: variably carbonaceous and weakly sulphidic sediment/tuff; 10% stringer and blebby sulphides and 30% waxy grey to milky white felsic fragments to 3cm are hosted within a charcoal grey weakly graphitic argillite matrix		107.62-109.16m: moderate patchy to pervasive carbonitization	107.62-109.16m: 25-30% laminated, banded and blebby pyrrhotite, 15-20% coarse blebby pyrite and trace to 1% glassy red fine grained sphalerite #107.62-109.16#<PoB30%PyD20%SphD1%>	
		107.62-109.16m: strongly sulphidic finer grained sediment (5,a,Sul); 45-50% total sulphides including trace glassy red-brown sphalerite; very crude banding/foliation imparted by the sulphide stringers of 35° to CA @ 108.15m #107.62-109.16#<5,a,Sul>		109.16-110.53m: weak patchy carbonitization of the felsic-looking inclusions	109.16-110.53m: 7-10% very finely disseminated pyrrhotite + 2-3% blebby pyrite	107.62-109.16m: strong sulphide conductor
		109.16-110.53m: very fine grained to aphanitic, dark grey to black, weakly magnetic mafic volcanic (2,a) with sharp but irregular contacts; angular to subangular chalky to milky white inclusions (fragments) to 10% of the subinterval; 7-10% combined sulphides; #109.16-110.53#<2,a,m>			110.53-111.70m: 7-10% finely disseminated and blebby pyrrhotite and pyrite	
		110.53-111.70m: fine grained weakly sulphidic sediment (quartz-feldspar-biotite schist); 5% combined sulphides as fine disseminations and blebs		111.70-114.94m: very weak patchy to pervasive sericitization and silicification throughout subinterval #111.70-114.94#<SeSWSISW>	111.70-114.94m: trace to locally 5% disseminated and thin laminae of pyrrhotite + pyrite over small widths	
		111.70-114.94m: weakly to moderately banded waxy grey feldspar phyrlic cherty sediment (5,a,D); ghostly-looking subrounded fragments make up 10% of the subinterval; trace to locally 5% disseminated sulphides #114.10-114.15#<S2=60°>				111.70-114.94m: very few sulphidic laminae are conductive
		-lower contact is sharp and slightly gougy @ 90° to CA				
114.94 TO 121.54	<5,a,>C<WCK>> greywacke	WEAKLY CARBONACEOUS GREYWACKE -laminated to banded charcoal grey, dark grey and medium grey		119.05-119.22m: moderate pervasive carbonitization and silicification	-trace pyrite blebs disseminated throughout 121.30-121.54m: 5% blebby pyrrhotite and 3-5% blebby pyrite	moderately good core recovery for this unit (RQD=60%) 118.36-118.52m: broken core

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121.54 TO 127.62	*S,*a,D> Qt-Fel-Bi-S e schist	<p>-sandier intervals contain creamy white to grey feldspar porphyroblasts to 2mm in size</p> <p>-bedding varies from 30-60° to CA but averages 45°; isoclinal folds in the sediment @ 118.70m (fold axes 30° to CA - normal to bedding); weak crenulation cleavage is almost perpendicular to bedding (25° @ 119.55m)</p> <p>-rare subrounded to rounded 1mm to 0.75cm medium grey to waxy dark grey silica rich inclusions (quartz pebbles) disseminated throughout unit @119.25-119.30 @S2=45°</p> <p>INTERMEDIATE QUARTZ-FELDSPAR-BIOTITE-SERICITE SCHIST (intermediate feldspathic sediment)</p> <p>-weakly banded waxy grey, light grey and milky white with minor intervals mottled light pale green</p> <p>-small (<0.5mm) irregular shaped chalky white feldspar dots to 25% disseminated throughout the unit</p> <p>-weak, ghostly banding imparted by varying concentrations of quartz, biotite and sericite</p> <p>@125.15-125.20 @S2=46°</p> <p>-lower contact is gradational over 20cm</p>		<p>moderate pervasive sauceritization of the feldspars induces pervasive (moderate) carbonitization throughout</p>	<p>3-5% fine disseminations and smears of pyrrhotite + 1-2% disseminated pyrite throughout</p>	<p>very good core recovery for the interval (RQD=75%)</p>
127.62 TO 137.35	*S,Sul,<ARG >> Sulphidic argillite	<p>SULPHIDIC ARGILLITE to GREYWACKE</p> <p>-banded to laminated charcoal grey, medium grey and brassy yellow; very weakly carbonaceous</p> <p>-unit composed of very weakly graphitic argillite (40-45%), coarser grained clastic intervals (10%), 15-20% subrounded to angular and stretched waxy white to milky lithic fragments, and 30-35% combined pyrite + pyrrhotite</p> <p>-argillite component is non-conductive but sulphide laminae and beds are strongly conductive</p>		<p>-very weak carbonitization of lithic fragments</p>	<p>-30% pyrite as fine laminae and blebs throughout most of unit</p> <p>-5% finely disseminated pyrrhotite associated with the pyrite</p> <p>@131.95-132.95 @PyB30%PoD5%</p> <p>@134.70-137.25 @PyB25%PoD5%</p>	<p>moderate to poor RQD for this unit (RQD=30%)</p> <p>-broken core/rubble from 130.00-130.30m; 130.50-131.62m</p> <p>-broken/lost core @132m</p> <p>-strong sulphide conductors from 131.95-132.95m and 134.70-137.25m</p>

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137.35 TO 174.00	<S,*b,D> Qt-Bi-Fel-G t schist	<p>#134.90-135.00#<S2=48°></p> <p>-lower contact is gradational over 10cm</p> <p>INTERMEDIATE (TO FELSIC) QUARTZ-BIOTITE-FELDSPAR-GARNET SCHIST (coarse intermediate feldspathic sediment)</p> <p>-unit is banded to striped medium grey, dark grey and black with cm scale zones containing irregular shaped pale pink blebs to 7mm in size</p> <p>-unit is composed of intercalated mm scale laminae to 5-10cm wide bands of varying proportions of quartz, biotite, feldspar, and garnet; banding/stripping is imparted by the varying concentrations of mineral phases; some of the bands appear to be stretched lapilli sized fragments</p> <p>-very fine grained subangular and occasionally ghostly feldspar dots locally to 30% over minor intervals impart a finely spotted appearance to the core</p> <p>-garnetiferous zones range in thickness from 2cm to 20cm wide and consist of irregular shaped pale pink almandine garnets locally to 50% of the subinterval but only make up 10% of the overall unit; occasionally the garnets are simply scattered in trace amounts throughout m scale zones</p> <p>-minor zones containing ghostly looking, waxy grey felsic fragments to 2cm in size are occasionally identifiable</p> <p>-broken core from 142.80-143.65m associated with a broken quartz vein; much broken core/rubble from 171-173.20m</p> <p>-mineral schistosity (bedding) varies slightly but averages approximately 75° to CA</p> <p>#152.70-152.75#<S2=76°> #164.30-164.35#<S2=85°></p>		<p>-very weak patchy and fracture controlled silicification and carbonitization</p> <p>144.66-145.20m: moderate pervasive chloritization and biotitization</p>	<p>nil to trace amounts of finely disseminated pyrite throughout</p>	<p>good core recovery for this interval (RQD=75%)</p> <p>broken core from 142.80-143.65m and 171.00-173.20m</p>

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174.00 TO 174.00	«BOH» end of hole	END OF HOLE -27 boxes of BQ core -22m of BW casing left in the hole (capped) -hole not making water				

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	
AU06494	29.74	30.72	0.98	50	210	5	40	<2	0.2				<5	<5													
AU06495	30.72	31.02	0.30	26	121	2	16	<2	0.2				<5	<5							4					3,*a,D	
AU06496	31.02	31.87	0.85	79	208	1	101	3	0.3				<5	<5												3,*a,D	bracket
AU06497	31.87	32.22	0.35	77	229	3	155	7	0.3				<5	<5												3,*a,D	bracket
AU06498	37.60	38.44	0.84	97	88	32	117	7	1.2				<5	<5							7		7			3,*a,D	
AU06499	38.44	39.14	0.70	109	712	32	102	3	0.7				<5	<5									6			4,*a	
AU06500	39.14	39.44	0.30	15	74	5	14	<2	0.1				<5	<5												4,*a,D	bracket
AU07451	60.00	61.50	1.50	192	1180	17	69	7	0.5				<5	<5												5,a,g	
AU07452	61.50	63.00	1.50	95	1200	20	59	10	0.2				<5	<5												5,a,g	
AU07453	63.00	63.50	0.50	73	627	21	46	3	0.1				<5	<5												5,a,g	
AU07454	63.50	64.79	1.29	216	2310	13	107	14	0.3				<5	<5												5,a,g,*a	
AU07455	64.79	66.00	1.21	52	524	17	39	3	0.2				<5	<5												5,a,g	non cond
AU07456	66.00	67.28	1.28	97	696	7	54	3	0.1				<5	<5												5,a,g	
AU07457	67.28	67.87	0.59	31	125	4	21	10	0.1				<5	<5												3,*a	bracket
AU07458	84.59	84.92	0.33	28	342	26	40	<2	0.2				<5	<5												5,a	bracket
AU07459	84.92	85.10	0.18	212	287	43	82	17	0.4				<5	17												4,*a,Si	conductive
AU07460	85.10	85.26	0.16	167	1730	33	112	3	0.4				<5	<5												5,a,<WCK>	bracket
AU07461	85.26	86.20	0.94	203	1250	31	147	7	0.5				<5	<5												5,a,g	
AU07462	86.20	86.88	0.68	192	2390	39	109	10	0.4				<5	<5												5,a,g	
AU07463	92.56	92.89	0.33	57	660	6	71	3	0.1				<5	<5												5,a,<WCK>	bracket
AU07464	92.89	93.74	0.85	115	584	17	68	3	0.3				<5	<5												4,*a,Si	+fuchs site?
AU07465	93.74	93.99	0.25	89	418	19	67	10	0.3				<5	<5												5,a,g	+3,*a
AU07466	93.99	95.02	1.03	225	835	26	153	7	0.6				<5	<5												5,a,g	
AU07467	95.02	96.49	1.47	122	1440	14	109	10	0.3				<5	<5												5,a,g	
AU07468	96.49	97.56	1.07	70	1040	11	111	10	0.3				<5	<5												5,a,g	
AU07469	97.56	98.65	1.09	121	1910	21	75	3	0.4				<5	<5												5,a,g,<WCK>	
AU07470	98.65	99.22	0.57	283	1540	14	152	7	0.6				<5	<5												4,*a,Si	conductor
AU07471	99.22	99.50	0.28	116	200	12	122	3	0.4				<5	<5												4,a,D	bracket
AU07472	99.50	100.55	1.05	185	2530	9	117	10	0.4				<5	<5												4,*a,Si	conductor
AU07473	100.55	101.72	1.17	310	716	12	163	3	0.7				<5	<5												4,*a,g	
AU07474	101.72	102.63	0.91	311	591	9	152	3	0.6				<5	<5												4,*a,g,Sul	
AU07475	102.63	103.40	0.77	169	2660	14	130	3	0.6				<5	<5												4,*a,g,Sul	
AU07476	103.40	104.32	0.92	206	4950	74	114	14	1.0				<5	<5												4,*a,g,Sul	
AU07477	104.32	105.51	1.19	113	667	19	69	<2	0.4				<5	<5												5,a,g	
AU07478	105.51	106.50	0.99	223	3080	21	115	10	0.7				<5	14												4,*a,g,Sul	
AU07479	106.50	107.62	1.12	74	428	9	108	7	0.3				<5	<5												4,a	bracket
AU07480	107.62	109.16	1.54	260	583	9	142	<2	0.5				<5	<5												4,*a	
AU07481	109.16	110.53	1.37	77	580	8	46	7	0.2				<5	<5												7,a,m	
AU07482	110.53	111.70	1.17	111	354	15	131	3	0.5				<5	<5												4,a	
AU07483	111.70	113.40	1.70	89	784	26	78	7	0.4				<5	<5												4,*a,D,Si	
AU07484	113.40	114.94	1.54	122	800	29	140	7	0.6				<5	<5												4,*a,D,Si	
AU07485	114.94	115.50	0.56	100	948	12	58	3	0.4				<5	<5												5,a,g,<WCK>	bracket
AU07486	121.06	121.54	0.48	115	707	13	74	<2	0.4				<5	<5												5,a,g,<WCK>	bracket
AU07487	121.54	123.00	1.46	103	374	17	70	3	0.6				<5	<5												3,*a,D	
AU07488	123.00	124.45	1.45	102	912	13	48	<2	0.5				<5	<5												4,*a	
AU07489	124.45	125.96	1.51	72	468	11	42	3	0.4				<5	<5												3,*a,D	
AU07490	127.46	127.75	0.29	48	227	8	61	<2	0.3				<5	<5												3,*a,D	bracket

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		
AU07491	127.75	129.15	1.40	65	600	7	43	<2	0.3			<5	<5													5, a, g, <WCK>		
AU07492	129.15	130.50	1.35	95	508	12	49	3	0.3			<5	<5														5, a, g, <WCK>	
AU07493	130.50	132.00	1.50	104	1530	19	83	<2	0.4			<5	<5														5, a, g, <WCK>	
AU07494	132.00	133.28	1.28	172	644	33	106	10	0.5			<5	<5														5, a, <WCK>	
AU07495	133.28	134.70	1.42	57	314	12	36	3	0.2			<5	<5														5, a, <WCK>	
AU07496	134.70	135.00	0.30	113	396	14	28	10	0.2			<5	<5														5, a, <WCK>	
AU07497	135.00	135.85	0.85	77	560	14	32	41	0.2			<5	<5														5, a, <WCK>	
AU07498	135.85	137.24	1.39	194	1540	16	73	3	0.3			<5	<5														5, a, <WCK>	
AU07499	137.24	137.45	0.21	46	328	6	20	3	0.2			<5	<5														3	bracket

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	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AU02471	23.00	26.00	3.00	57.400	17.810	1.5500	3.6100	6.1800	2.7600	8.1000	0.6900	0.1300	0.0800		1.4100	99.72	18.000	101.00	539.00		330.00		68.000	99.000	122.00	274.00	3,*a,D,3i		170
AU02472	26.26	29.56	3.30	67.430	15.030	2.0900	1.2600	5.7200	1.4200	4.3800	0.3800	0.0800	0.0300		2.1200	99.94	17.000	117.00	487.00		413.00		84.000	245.00	39.000	206.00	5,*a,D,5		163
AU02473	45.00	48.00	3.00	63.170	16.840	1.8900	2.8600	2.9100	3.8000	6.4500	0.5600	0.1400	0.0700		1.5000	100.19	17.000	107.00	649.00		199.00		42.000	103.00	95.000	270.00	5,*a,D,5		196
AU02474	52.00	55.00	3.00	60.680	18.070	5.3800	1.2400	5.6600	1.8700	3.3700	0.4700	0.0700	0.0600		3.3300	100.20	11.000	85.000	325.00		568.00		22.000	101.00	21.000	128.00	5,*a,D,5		140
AU02475	99.00	102.00	3.00	49.120	6.7100	4.5600	1.4200	3.1000	0.1600	24.730	0.2200	0.0150	0.0800		8.7300	98.85	23.000	39.000	87.000		169.00		231.00	1915.0	135.00	316.00	5,*a,Si5!	t	86
AU02476	111.00	114.00	3.00	67.140	11.820	3.2700	2.1700	4.9900	0.8900	6.1100	0.4300	0.1800	0.0500		2.9700	100.02	15.000	101.00	287.00		589.00		70.000	1073.0	73.000	342.00	5,*a,Si5		129
AU02477	122.00	125.00	3.00	52.480	14.540	7.8900	1.8700	5.8200	1.1300	9.0000	1.9500	0.1600	0.2400		4.3800	99.46	43.000	109.00	213.00		569.00		79.000	680.00	74.000	229.00	5,*a,*t5		98
AU02478	144.00	147.00	3.00	59.100	15.730	6.0100	1.6700	3.9600	1.6800	8.3500	0.4500	0.0900	0.2100		2.9900	100.24	20.000	148.00	347.00		258.00		46.000	59.000	15.000	141.00	5,*a,D,5		135
AU02479	165.00	168.00	3.00	65.620	14.780	4.5500	0.6900	3.4500	2.3100	4.9000	0.4000	0.1500	0.1300		2.9700	99.95	15.000	98.000	394.00		211.00		21.000	59.000	16.000	218.00	5,*a,D,5		143

Sample	From (M)	To (M)	Leng. (M)	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	YB PPM	NB PPM	HG PPB	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AJ02471	23.00	26.00	3.00										29.000	590.00	7.0000					17.000			6.0000		0.51	0.09	34	45	16
AJ02472	26.26	29.56	3.30										8.0000	257.00	1.0000					2.5000			0.5000		0.40	0.14	31	26	43
AJ02473	45.00	48.00	3.00										31.000	518.00	6.0000					9.0000			1.0000		0.51	0.11	33	58	35
AJ02474	52.00	55.00	3.00										13.000	526.00	1.0000					2.5000			0.5000		0.47	0.30	17	22	18
AJ02475	99.00	102.00	3.00										3.0000	617.00	1.0000					2.5000			0.5000		0.12	0.68	95	17	618
AJ02476	111.00	114.00	3.00										12.000	325.00	1.0000					2.5000			0.5000		0.46	0.28	34	27	215
AJ02477	122.00	125.00	3.00										14.000	1748.0	1.0000					10.000			2.0000		0.33	0.54	40	18	117
AJ02478	144.00	147.00	3.00										27.000	693.00	3.0000					2.5000			0.5000		0.32	0.38	9	25	15
AJ02479	165.00	168.00	3.00										13.000	588.00	1.0000					2.5000			0.5000		0.25	0.31	23	27	17



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) 20160.00013 Assessment Files Research Imaging



42G02SE2002 2.20843 FENTON 900

f subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2T 8S7.

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

2.20843

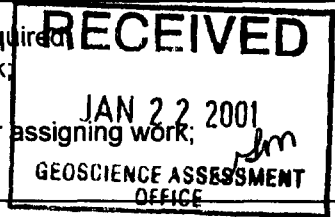
1. Recorded holder(s) (Attach a list if necessary)

Table with 2 columns: Name, Address, Client Number, Telephone Number, Fax Number. Includes Falconbridge Limited and Falconbridge Limited (Field Office).

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

Form for work type: Geotechnical, Physical, Rehabilitation. Includes work type 'Diamond Drilling (174m)', dates 'Day 17 Month 10 Year 2000' to 'Day 18 Month 10 Year 2000', and location 'Fenton Township'.

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)

Table with 2 columns: Name, Address, Telephone Number, Fax Number. Includes Gary De Schutter - Falconbridge Limited.

4. Certification by Recorded Holder or Agent

I, Gary De schutter, 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.

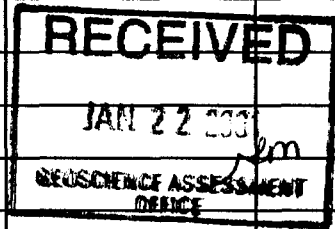
Signature of Recorded Holder or Agent: Gary De Schutter. Date: Jan 18/01. Agent's Address: PO Box 1140, Timmins, Ontario, P4N 7H9. Telephone Number: (705) 267 - 1188 ext. 243. Fax Number: (705) 267 - 6080.

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

20160.00013

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date	
1	P1226739	16	\$9,098	\$5,856	\$3,242	\$0
2	P1226738	16	\$0	\$3,242	\$0	\$0
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
Column Totals		32	\$9,098	\$9,098	\$3,242	\$0

2. 20843



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

(Print Full Name)

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: Jan 18/01

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

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

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

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
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		



Ontario

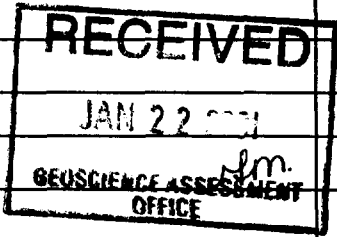
Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use) W0160.00013

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.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include Diamond Drilling, Geologist supervision, Assay samples, Associated Costs (2,208.43), Core box lids, Transportation Costs, Food and Lodging Costs, and Total Value of Assessment Work (\$9,098).



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.

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.

Certification verifying costs:

I, GARY DESCHUTTER, 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 SENIOR FIELD GEOLOGIST I am authorized to make this certification.

Signature: [Handwritten Signature] Date: Jan 18/01

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

Telephone: (888) 415-9845
Fax: (877) 670-1555

February 8, 2001

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

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

Dear Sir or Madam:

Submission Number: 2.20843

Status

Subject: Transaction Number(s): W0160.00013 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) 670-5858.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.20843

Date Correspondence Sent: February 08, 2001

Assessor: JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0160.00013	1226739	FENTON	Approval	February 06, 2001

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):

Gary Deschutter
TIMMINS, ONTARIO, CANADA

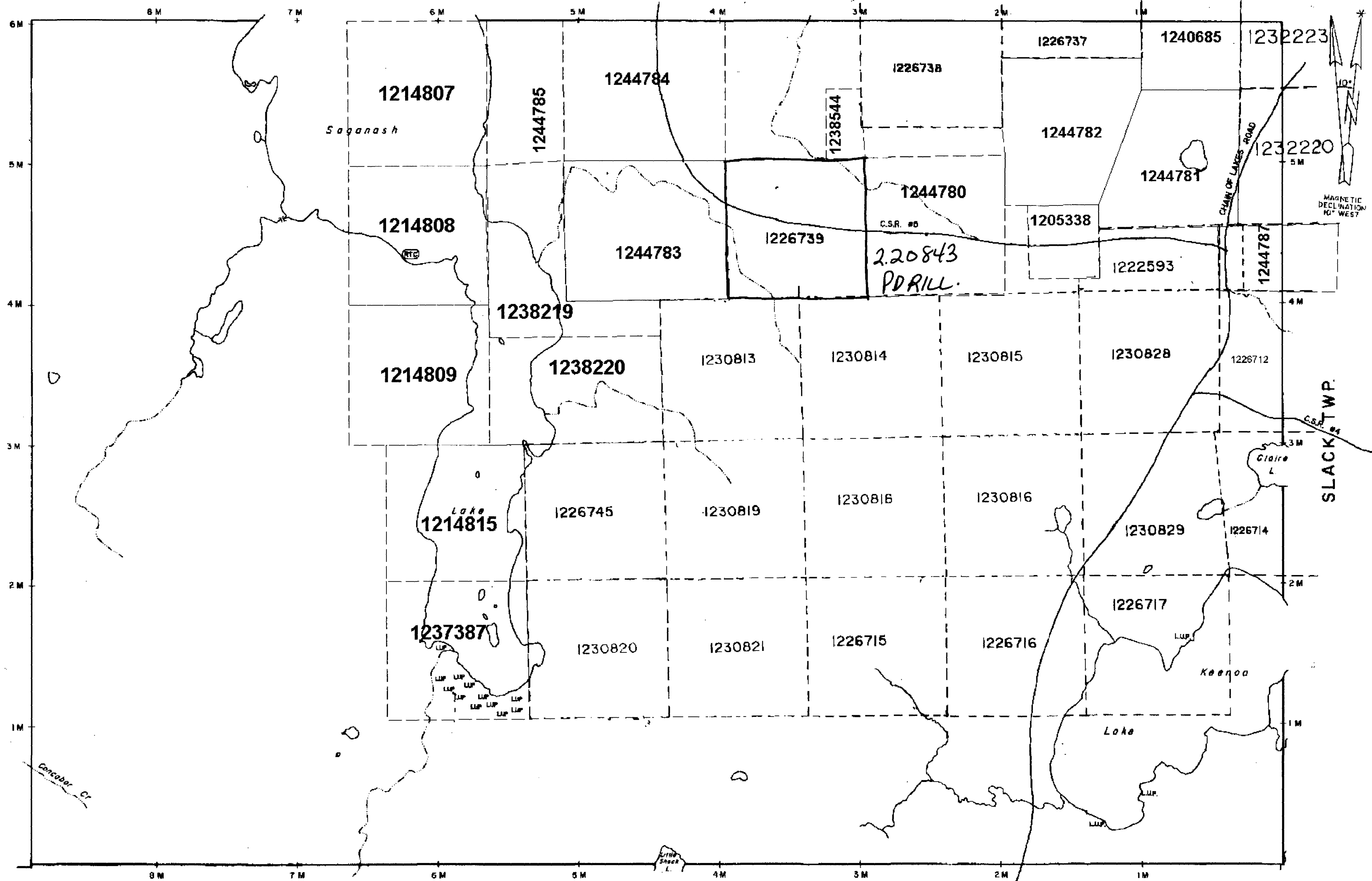
Assessment Files Library
Sudbury, ON

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

CONCOBAR TWP.

STAPLES TWP.

SEATON TWP.

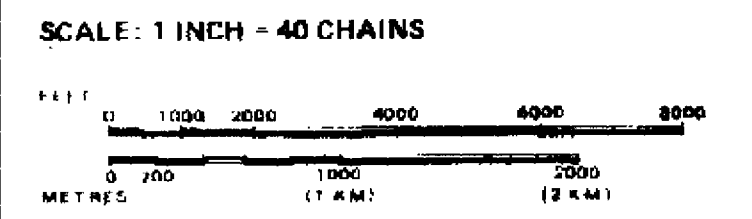


LEGEND

- 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	OC
RESERVATION	○
CANCELLED	◐
SAND & GRAVEL	◐
LAND USE PERMIT - L.U.P.	◐
REMOTE TOURIST CAMP - R.T.C.	◐

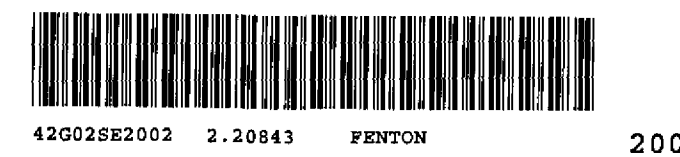


TOWNSHIP
FENTON
 M.N.R. ADMINISTRATIVE DISTRICT
 HEARST
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
 COCHRANE

Ministry of Natural Resources Ontario
 Ministry of Northern Development and Mines

Date: _____ Number: **G-874**
 ACTUATED JULY 30, 1982 BY P.D.
 CHECKED BY D.C.

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



TIMMINS EXPLORATION - AMENDED ROCK LEGEND - v8.0

1. MAIN ROCK DIVISIONS

- 15 To be Announced
- 14 Huronian Supergroup
- 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
- 5,5 Sulphide (>40%)
- 4 Felsic Volcanic Rocks
- 3 Intermediate Volcanic Rocks
- 3,C Heterolithic Volcanic Rocks
- 2 Mafic Volcanic rocks
- 1 Ultramafic Volcanic Rocks

2. TEXTURAL/GEOCHEMICAL MODIFIERS

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

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

5. MINERALOGICAL NAMES

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

3. ALTERATION MODIFIERS

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

4. TEXTURAL/STRUCTURAL MODIFIERS

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

6. ROCK TYPE / PROTOLITH

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

ALTERATION CODES

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

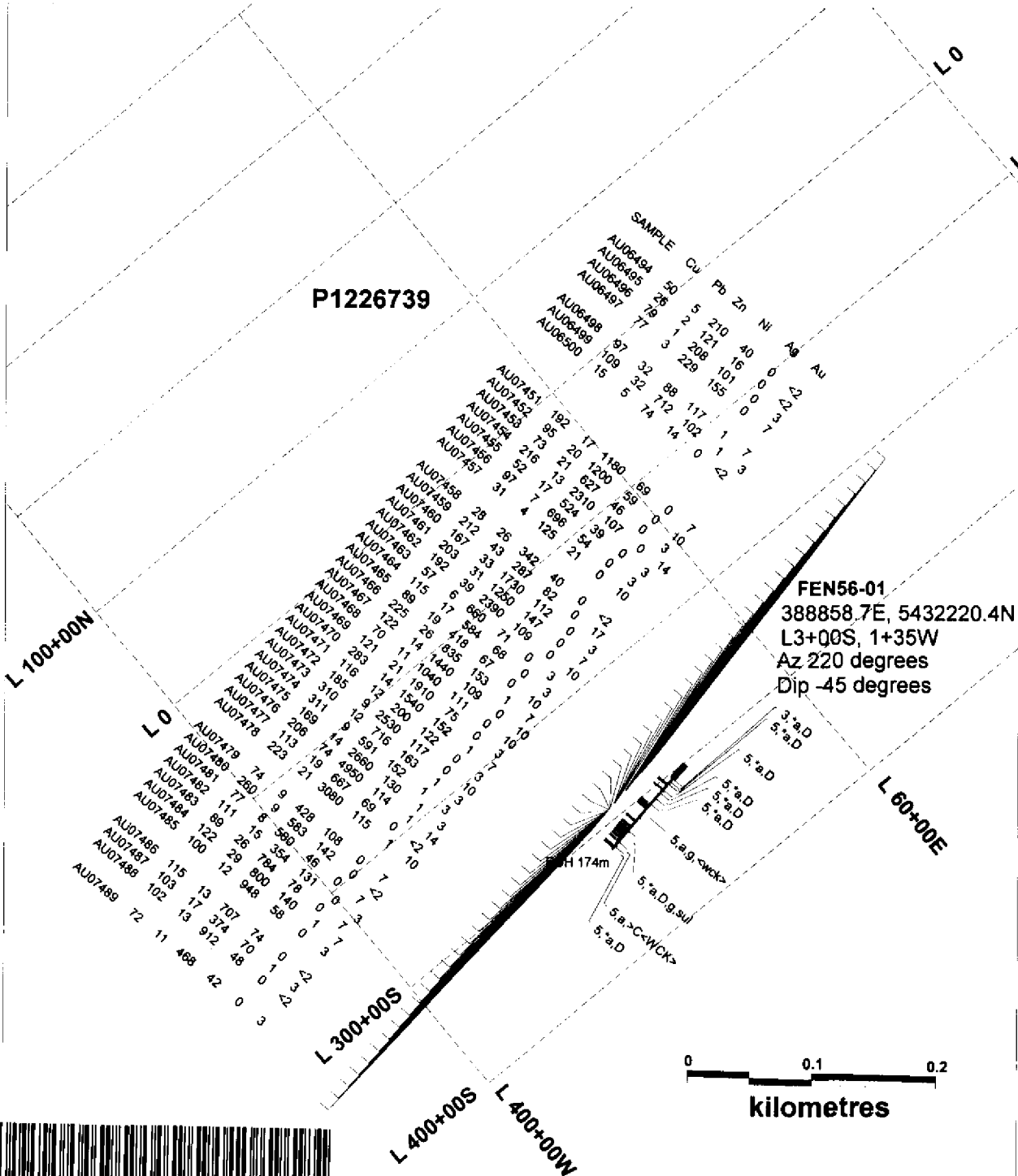
Example: EpPW = Epidote,Pervasive,Weak

MINERALIZATION CODES

FORM		PERCENTAGE
D	Disseminated/Blebs	Numeric percentage, or percentage range (i.e. 1-3%), must always be specified
F	Fracture/vein controlled	
M	Massive	
B	Bedded	
C	Clasts/Fragments	

Example: CpB3% = Chalcopyrite, Bedded, 3%





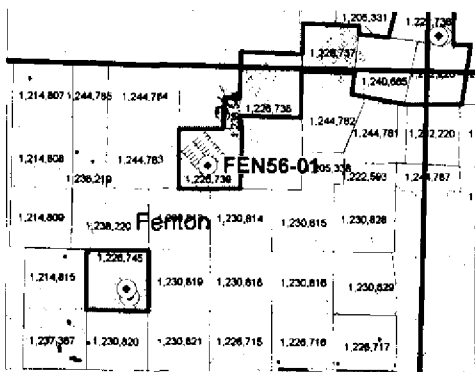
SAMPLE

	Cu	Pb	Zn	Ni	As	Au
AU06494	50	5	210	40	0	0
AU06495	78	2	121	16	0	0
AU06496	77	3	228	155	0	0
AU06497	97	32	88	117	1	7
AU06498	109	32	112	102	1	1
AU06499	15	5	74	14	0	0
AU06500						

AU07451	192	17	1180	89	0	7
AU07452	95	21	1200	59	0	10
AU07453	73	21	627	16	0	3
AU07454	216	17	524	39	0	14
AU07455	92	4	896	54	0	0
AU07456	97	1	125	21	0	0
AU07457	31					
AU07458	28	28	342	40	0	0
AU07459	212	43	283	82	0	17
AU07460	187	33	1730	112	0	0
AU07461	203	31	1280	108	0	0
AU07462	192	6	2390	71	0	0
AU07463	51	39	864	67	0	0
AU07464	115	17	635	153	0	0
AU07465	115	19	418	109	0	0
AU07466	225	11	1440	75	0	0
AU07467	122	14	1910	152	0	0
AU07468	70	26	1140	122	0	0
AU07469	121	11	1040	117	0	0
AU07470	283	21	1540	152	0	0
AU07471	116	14	1010	122	0	0
AU07472	185	12	2530	173	0	0
AU07473	310	19	1910	152	0	0
AU07474	189	14	1440	122	0	0
AU07475	208	74	4990	130	0	0
AU07476	113	19	867	68	0	0
AU07477	223	21	3080	115	0	0
AU07478						
AU07479	74	9	428	108	0	0
AU07480	260	8	583	46	0	7
AU07481	77	8	580	46	0	7
AU07482	111	15	354	78	0	1
AU07483	89	28	784	140	0	0
AU07484	122	29	800	58	0	0
AU07485	100	12	948	58	0	0
AU07486	115	13	707	74	0	0
AU07487	103	17	374	70	0	0
AU07488	102	13	912	48	0	0
AU07489	72	11	488	42	0	0



42G02SE2002 2.20843 FENTON 230



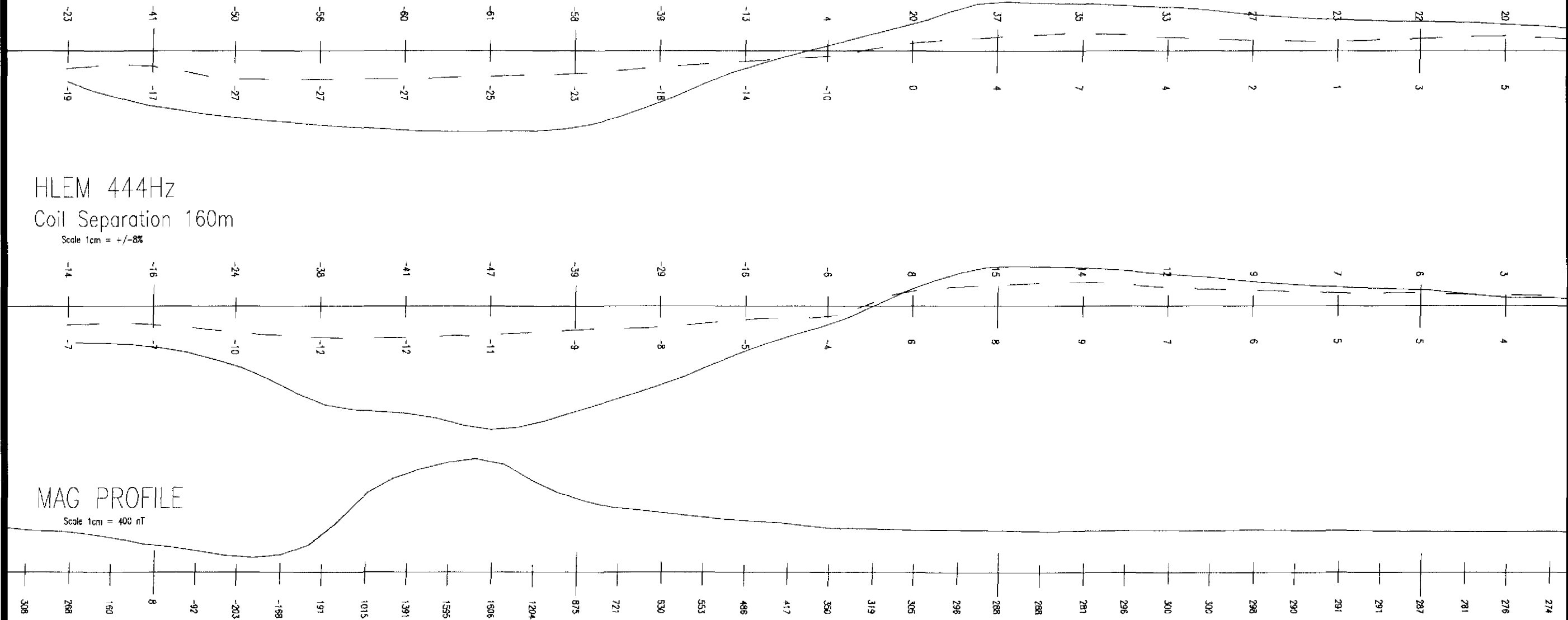
FALCONBRIDGE LIMITED
 Exploration Division Timmins, ONTARIO

DDH FEN56-01
 Location Map

Saganeah Project (PN 291)

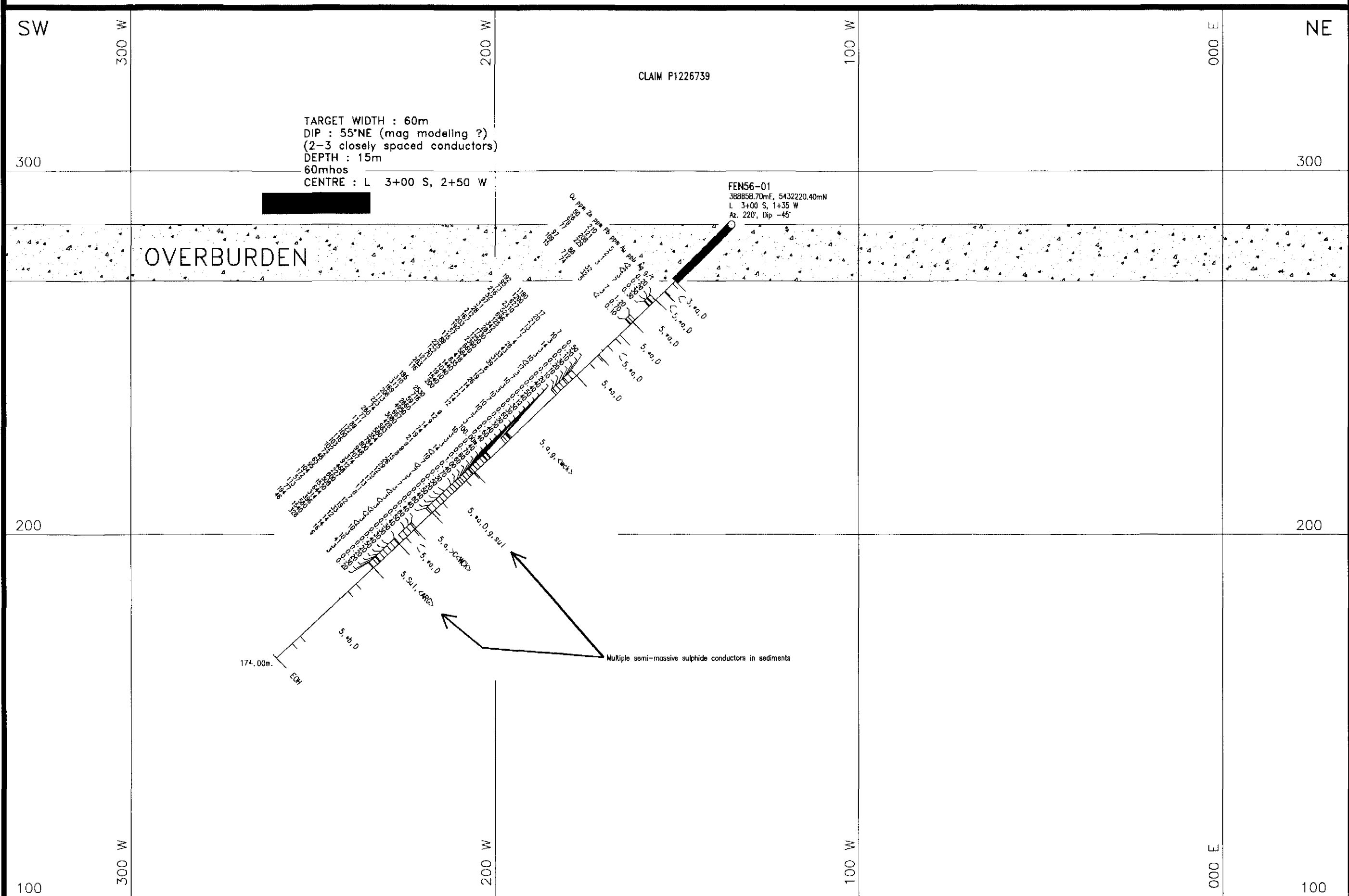
SCALE: 1:5,000

DATE: 06/99



HLEM 444Hz
Coil Separation 160m
Scale 1cm = +/-8%

MAG PROFILE
Scale 1cm = 400 nT



SAGANASH PROJECT ASSAY TABLE FEN56-01

SAMPL. No.	FROM (M)	TO (M)	Int (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppb	Pt ppb	Pd ppb	Ext. Ni %	Ext. Cu %	Ext. Fe %	Ext. Co %	Ext. S %	ROCK T
AU08484	29.74	30.72	1.050	210	5	40	<2	0.2	<5	<5	<5						3, no. D
AU08495	30.72	31.02	0.328	121	2	16	<2	0.2	<5	<5	<5						3, no. D
AU08496	31.02	31.87	0.879	208	1	101	3	0.3	<5	<5	<5						3, no. D
AU08497	31.87	32.22	0.377	229	3	185	7	0.3	<5	<5	<5						3, no. D
AU08498	32.22	38.44	6.222	86	32	117	7	1.2	<5	<5	<5						3, no. D
AU08499	38.44	39.14	0.710	712	32	102	3	0.7	<5	<5	<5						4, no. D
AU08500	39.14	39.44	0.315	74	5	14	<2	0.1	<5	<5	<5						4, no. D
AU07451	60.00	61.50	1.519	1180	17	89	7	0.5	<5	<5	<5						5, no. D
AU07452	61.50	63.00	1.505	1200	20	59	10	0.2	<5	<5	<5						5, no. D
AU07453	63.00	63.50	0.513	827	21	48	3	0.1	<5	<5	<5						5, no. D
AU07454	63.50	64.78	1.318	2310	13	107	14	0.3	<5	<5	<5						5, no. D
AU07455	64.78	66.00	1.252	524	17	39	3	0.2	<5	<5	<5						5, no. D
AU07456	66.00	67.28	1.307	886	7	54	3	0.1	<5	<5	<5						5, no. D
AU07457	67.28	67.87	0.511	125	4	21	10	0.1	<5	<5	<5						5, no. D
AU07458	67.87	68.92	1.053	342	28	40	<2	0.2	<5	<5	<5						5, no. D
AU07459	68.92	69.10	0.212	287	43	82	17	0.4	<5	<5	<5						4, no. S
AU07460	69.10	69.28	0.217	730	33	112	5	0.4	<5	<5	<5						5, no. D
AU07461	69.28	69.20	0.008	1255	31	147	7	0.5	<5	<5	<5						5, no. D
AU07462	69.20	68.88	0.312	2380	39	108	10	0.4	<5	<5	<5						5, no. D
AU07463	68.88	68.57	0.317	660	6	71	3	0.1	<5	<5	<5						5, no. D
AU07464	68.57	68.15	0.422	584	17	66	3	0.3	<5	<5	<5						4, no. S
AU07465	68.15	67.99	0.166	418	19	87	10	0.3	<5	<5	<5						5, no. D
AU07466	67.99	67.22	0.777	835	28	153	7	0.6	<5	<5	<5						5, no. D
AU07467	67.22	67.16	0.066	1440	14	109	10	0.3	<5	<5	<5						5, no. D
AU07468	67.16	67.10	0.066	1040	11	111	10	0.3	<5	<5	<5						5, no. D
AU07469	67.10	67.10	0.000	1910	21	75	3	0.4	<5	<5	<5						5, no. D
AU07470	67.10	67.22	0.122	1540	14	152	7	0.6	<5	<5	<5						4, no. S
AU07471	67.22	67.16	0.066	200	12	122	3	0.4	<5	<5	<5						4, no. S
AU07472	67.16	67.10	0.066	2530	9	117	10	0.4	<5	<5	<5						4, no. S
AU07473	67.10	67.10	0.000	718	12	183	3	0.7	<5	<5	<5						4, no. S
AU07474	67.10	67.53	0.433	581	9	152	3	0.6	<5	<5	<5						4, no. S
AU07475	67.53	67.10	0.433	280	4	130	3	0.6	<5	<5	<5						4, no. S
AU07476	67.10	67.10	0.000	4550	74	114	14	1.0	<5	<5	<5						4, no. S
AU07477	67.10	67.10	0.000	667	19	89	<2	0.4	<5	<5	<5						5, no. D
AU07478	67.10	67.10	0.000	3080	21	115	10	0.7	<5	<5	<5						4, no. S
AU07479	67.10	67.10	0.000	428	9	108	7	0.3	<5	<5	<5						4, no. D
AU07480	67.10	67.10	0.000	583	19	142	<2	0.5	<5	<5	<5						4, no. D
AU07481	67.10	67.10	0.000	560	6	48	7	0.2	<5	<5	<5						7, no. S
AU07482	67.10	67.10	0.000	354	15	131	3	0.5	<5	<5	<5						4, no. D
AU07483	67.10	67.10	0.000	784	26	78	7	0.4	<5	<5	<5						4, no. D
AU07484	67.10	67.10	0.000	805	26	140	7	0.6	<5	<5	<5						4, no. D
AU07485	67.10	67.10	0.000	948	12	58	3	0.4	<5	<5	<5						5, no. D
AU07486	67.10	67.10	0.000	707	13	74	<2	0.4	<5	<5	<5						5, no. D
AU07487	67.10	67.10	0.000	374	17	70	3	0.6	<5	<5	<5						3, no. D
AU07488	67.10	67.10	0.000	912	33	48	<2	0.5	<5	<5	<5						4, no. D
AU07489	67.10	67.10	0.000	458	11	62	3	0.4	<5	<5	<5						4, no. D
AU07490	67.10	67.10	0.000	227	6	81	<2	0.3	<5	<5	<5						3, no. D
AU07491	67.10	67.10	0.000	600	7	43	<2	0.3	<5	<5	<5						3, no. D
AU07492	67.10	67.10	0.000	508	12	48	<2	0.3	<5	<5	<5						3, no. D
AU07493	67.10	67.10	0.000	1530	16	83	<2	0.4	<5	<5	<5						5, no. D
AU07494	67.10	67.10	0.000	844	33	108	10	0.5	<5	<5	<5						5, no. D
AU07495	67.10	67.10	0.000	314	12	38	3	0.2	<5	<5	<5						5, no. D
AU07496	67.10	67.10	0.000	398	14	28	10	0.2	<5	<5	<5						5, no. D
AU07497	67.10	67.10	0.000	560	14	32	41	0.2	<5	<5	<5						5, no. D
AU07498	67.10	67.10	0.000	1540	16	73	3	0.3	<5	<5	<5						5, no. D
AU07499	67.10	67.10	0.000	328	6	20	3	0.2	<5	<5	<5						5, no. D

- 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

SAGANASH PROJECT
GRID FENTON 56
LOOKING Az 310° FENTON Twp.

DRILL SECTION L 300 S
DDH FEN56-01

TRACE: PROCS DATE: 08/12/2000 NTS: 42-0/02 & 01 PROJ: 281
DRAWN: del DRAFTING DATE: 07/12/2000 MAP No: FILE: FEN5601
SUPERVISED: G Daech,lar DATE: 08/12/2000 SCALE 1:1 000 (metres)
REVISED: DATE: 10 20 30 40