

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 20.45	<{job}> overburden	OVERBURDEN 20.45m of overburden				
20.45 TO 27.94	<2,b,*t> Chl-Bi-Qt-F el-Gt schist	MAFIC CHLORITE-BIOTITE-QUARTZ-FELDSPAR-GARNET SCHIST (mafic metavolcanic) -striped to banded dark green-black, dark grey and light grey with ubiquitous pale pink spots -unit is medium to coarse grained, non-to-weakly magnetic and relatively hard -unit is composed of well foliated fine grained Fe-silicates (chlorite and biotite - 35%) intergrown with very fine grained pale creamy green feldspar (15%), cm scale waxy grey to chalky white quartz rich bands (20%) and 30% rounded to ratty pale pink to pale orange garnet porphyroblasts (almandine). -the garnet porphyroblasts range in size from 1mm to 2cm and appear to overprint the main mineral schistosity (post-peak metamorphism) -the very well developed schistosity is imparted by the alignment of silicate minerals (chlorite and biotite) and 0.25-2cm wide quartz +/- carbonate bands #74.20-74.25 <{S2=65°}>		weak patchy carbonitization of the quartz rich bands	-nil	-moderate RQD (60%) for this unit but no lost core
27.94 TO 42.25	<3,a,D,*t> Qt-Fel-Bi-S ul schist	INTERMEDIATE QUARTZ-FELDSPAR-BIOTITE-SULPHIDE SCHIST (variably sulphidic intermediate feldspar phyric metavolcanic) -unit is banded and mottled light grey and dark grey with frequent wide zones containing significant concentrations of sulphides -moderately well developed foliation is imparted by the alignment of biotite and a vague banding to core imparted by finely disseminated		-very weak patchy carbonitization throughout unit -weak pervasive silicification throughout unit imparts a dull waxy appearance to the core	-multiple narrow to >1m wide semi-to-massive sulphide zones throughout unit; sulphides (typically pyrite=pyrrhotite concentrations) are stringer and massive aggregates of moderately coarse (recrystallized) strongly conductive sulphides; between the semi massive seams of sulphides, the rocks has between 3-10% finely disseminated pyrite + pyrrhotite as fine laminae and	-good core recovery for this unit (RQD =85%) -multiple strong sulphide conductors throughout interval: 29.36-29.60m; 34.13-34.29m; 35.57-36.34m; 37.04-38.08m; 38.36-38.48m; 38.66-38.73m; 41.88-42.00m

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>sulphides</p> <p>-multiple narrow (5cm) to wide (80cm) semi massive to massive sulphide zones are strongly conductive:</p> <p>#29.36-29.60#5,s 35% recrystallized pyrite makes for a strong conductor</p> <p>32.00-32.82m: subinterval of chlorite-biotite-feldspar-quartz-garnet schist</p> <p>34.13-34.29m: 30% combined sulphides (good conductor)</p> <p>35.57-36.34m: 75% combined sulphides (excellent conductor) as matrix filling in a lapilli tuff interval</p> <p>#35.57-36.34#5,s</p> <p>37.04-38.08m: 70% combined sulphides (excellent conductor)</p> <p>#37.04-38.08#5,s</p> <p>38.36-38.48m: narrow sulphidic conductor (25% combined sulphides)</p> <p>38.66-38.73m: narrow sulphide conductor (35% combined sulphides)</p> <p>41.88-42.00m: narrow sulphide conductor (70% combined sulphides)</p> <p>38.45-38.66m: few 1-2mm slightly stretched quartz eyes may indicate that portions of this unit are more felsic in composition</p> <p>#28.10-28.15#S2=70°#</p> <p>-lower contact is relatively sharp and is marked by the return of garnet porphyroblasts</p>			<p>disseminations</p> <p>#29.36-29.60#PyF30#PoF10# 3-4cm wide pitted pyrite vein (?) at a shallow angle to the CA</p> <p>#34.13-34.29#PyF20#PoF10#</p> <p>#35.57-36.34#PyF37#PoF37# coarse conductive sulphides as matrix fillings and veinlets</p> <p>#37.04-38.08#PyF40#PoF30# strong conductor</p> <p>#38.36-38.48#PyD20#PoD5# coarse blebby sulphides are strongly conductive</p> <p>#38.66-38.73#PoF25#PyD10# coarsely recrystallized pyrite within stringer style pyrrhotite</p> <p>#41.88-42.00#PyF35#PoF35# anomalous Au (336ppb) Ag (1.4ppm) and Zn (1180ppm) in sample AU01378</p>	<p>anomalous Au in the massive sulphides (samples AU01372, 1373, 1374) of 137-638ppb Au</p>
42.25 TO 66.90	<p><2,a,*t> Bi-Gt-Fel-Q t-Chl schist</p>	<p>MAFIC BIOTITE-GARNET-FELDSPAR-QUARTZ-CHLORITE SCHIST (garnetiferous mafic metavolcanic)</p> <p>-unit is banded to striped dark green-black and dark grey with zones up to 80cm wide that contain</p>		<p>-weak patchy silicification in the form of deformed and/or brecciated milky to smokey white quartz veins from 1cm to 12cm in width</p>	<p>-no mineralization seen</p>	<p>relatively good core recovery for the unit (RQD=75%)</p> <p>-hole lost at 66.90m in chloritic gouge material (rods would no longer</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
66.90 TO 66.90	«EOH» end of hole	<p>up to 60% pale pink spots to > 1cm</p> <p>-unit composed primarily of fine grained black biotite, blebby to highly stretched pale pink to pale orange garnet porphyroblasts from 1mm to semi-massive aggregates to 3cm in size, and 5mm to 2cm wide bands of waxy grey quartz material</p> <p>-minor intervals of banded garnet and quartz rich material may actually represent poorly developed or preserved silicate facies iron formation</p> <p>-the well developed foliation is imparted by the alignment of the platy minerals, the quartz banding and the stretching of the garnet porphyroblasts</p> <p>45.03-45.74m: interval is composed of 40% strongly deformed (stretched) garnet porphyroblasts</p> <p>46.90-47.35m: interval contains 60% strongly deformed garnet porphyroblasts</p> <p>-schistosity varies slightly but averages 70° to CA</p> <p> 48.40-48.45 * S2=67° * 57.80-57.85 * S2=70° *</p> <p>-hole lost at 66.90m in highly chloritic gouge material (fault zone or change in rock type - ultramafic?); target re-tested on next line over to the north</p>		-very weak fracture controlled and patchy carbonitization		<p>turn)</p> <p>-hole lost in chloritic gouge material; rods would no longer turn</p> <p>-8 boxes of BQ core stores at Kidd Minesite</p> <p>-20m of casing pulled (hole not making water)</p>

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	
AU01368	29.00	29.36	0.36	94	940	4	29	93	0.8			<5	<5														
AU01369	29.36	29.60	0.24	155	523	6	60	178	0.9			<5	<5								7	30				3,a,D,*t	bracket
AU01370	29.60	30.00	0.40	71	95	3	59	75	0.3			<5	<5									2				3,a,D,*t	bracket
AU01371	35.12	35.57	0.45	77	133	4	34	141	0.3			<5	<5									2				3,a,D,*t	bracket
AU01372	35.57	36.34	0.77	367	171	11	93	741	1.8			<5	<5								36	36				MS	conductor
AU01373	36.34	37.04	0.70	222	290	29	39	137	1.5			<5	<5								4	2				3,a,D,*t	bracket
AU01374	37.04	38.08	1.04	140	114	18	48	638	0.7			<5	<5								30	40				MS	conductor
AU01375	38.08	39.41	1.33	50	174	1	19	86	0.2			<5	<5													3,a,D,*t	bracket
AU01376	39.41	40.94	1.53	48	187	4	17	38	0.2			<5	<5								4	4				3,a,D,*t	
AU01377	40.94	41.88	0.94	55	165	10	20	86	0.4			<5	<5								3	6				3,a,D,*t	
AU01378	41.88	42.25	0.37	284	1180	19	46	336	1.4			<5	<5								6	13				3,a,D,*t	
AU01379	42.25	42.68	0.43	53	1720	29	15	65	0.2			<5	<5								2	2				2,a,*t	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
AU02480	21.00	24.00	3.00	49.850	15.640	9.1500	4.9700	1.9900	0.0250	15.180	0.8700	0.0150	0.3100	1.6300	99.63	23.000	45.000	23.000			122.00	113.00	77.000	57.000	321.00	2,a,*t	2hv	140	
AU02481	36.00	39.00	3.00	54.120	6.6000	1.8500	0.7200	0.3500	0.8400	23.120	0.2000	0.0500	0.0800	11.190	99.12	1.0000	30.000	119.00			51.000	115.00	625.00	46.000	252.00	3,a,*t	4jA!	217	
AU02482	45.00	48.00	3.00	75.640	9.2500	2.4200	1.2700	0.9700	1.0900	8.7900	0.3800	0.0300	0.1600	0.3100	100.31	21.000	49.000	110.00			49.000	28.000	122.00	37.000	300.00	2,a,*t	4hB	206	
AU02483	63.00	66.00	3.00	67.690	16.920	4.1400	0.9300	3.5900	1.9200	2.6500	0.5600	0.1200	0.0700	1.4900	100.08	13.000	162.00	391.00			240.00	43.000	52.000	9.0000	211.00	2,a,*t	3j	175	

Sample	From (M)	To (M)	Leng. (M)	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	SM PPM	EU PPM	GD PPM	
AU02480	21.00	24.00	3.00	0.3000		20.000	1.0000	0.1000	86.000	2.5000	10.000	0.3000	2.5000	2.5000			5.0000	10.000	2.0000					2.0000						
AU02481	36.00	39.00	3.00	1.0000		37.000	15.000	>10.00	15.000	174.00	10.000	2.6000	2.5000	2.5000			16.000	367.00	5.0000					6.0000						
AU02482	45.00	48.00	3.00	0.1000		14.000	2.0000	0.1200	79.000	2.5000	10.000	0.3000	2.5000	2.5000			5.0000	10.000	3.0000					8.0000						
AU02483	63.00	66.00	3.00	0.1000		4.0000	1.0000	0.1000	42.000	2.5000	10.000	0.3000	2.5000	2.5000			5.0000	10.000	2.0000					23.000						

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
AU02480	21.00	24.00	3.00										11.000	708.00	2.0000					12.000			2.0000		0.44	0.59	11	31	39
AU02481	36.00	39.00	3.00										8.0000	647.00	1.0000					2.5000			0.5000		0.07	0.28	64	41	1786
AU02482	45.00	48.00	3.00										26.0000	410.00	3.0000					5.0000			2.0000		0.25	0.26	29	41	126
AU02483	63.00	66.00	3.00										26.0000	366.00	2.0000					2.5000			0.5000		0.45	0.24	10	27	14

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 4.00	<{ob}> Overburden	OVERBURDEN 4m of overburden (BW casing only)				
4.00 TO 150.00	<2,a*t> Chl-Bi-Fel-Qt+/-Gt schist	MAFIC CHLORITE-BIOTITE-FELDSPAR-QUARTZ+/-GARNET SCHIST (mafic metavolcanic) -unit is primarily dark green with patches and wider zones of pale green-grey and chalky white -rock is composed primarily of very fine grained chlorite and biotite (50%) mixed with very fine grained feldspar and quartz (25%), patchy and banded zones up to 60cm wide containing a mixture of quartz+carbonate and minor chlorite and biotite (20%; relict veining) and metre scale zones containing subangular to irregularly shaped very pale pink-orange garnet porphyroblasts; few very minor intervals contain rounded but stretched quartz-carbonate filled inclusions which are probably relict amygdules; minor intervals contain minute feldspar dots locally to 10% -weakly to moderately well developed foliation is defined by the alignment of platy minerals and by the patchy banded zones of quartz-carbonate -unit is fine grained overall, moderately soft, weakly to non-magnetic -garnet porphyroblasts occur in metre-scale zones locally up to 25% as fine (2mm) to coarse grained (1cm) very pale orange-pink irregularly shaped to subrounded porphyroblasts and aggregates of porphyroblasts that are rarely deformed (post peak deformation) -37.64-40.60m: coarse grained (verging on pegmatitic), massive, non magnetic granitic dyke with sharp intrusive contacts #37.64-40.60#<9,c,m> -mineral foliation varies from shallow at the top of the hole but gradually increases downhole		-frequent zones from 5cm to 50cm wide that contain a hairline fracture filled stockwork of quartz-feldspar-carbonate impart a pseudobrecciated appearance to the core -weak to moderate patchy silicification and carbonitization throughout the unit 44.00-58.50m: moderate fracture controlled quartz-feldspar-carbonate alteration in the form of hairline fractures oriented at all angles to CA 80.00-84.60m: moderate patchy carbonate-quartz-garnet-chlorite zones imparts a weak irregular banding to the core 96.24-97.70m: strong pervasive (flooding) quartz-feldspar (albite) -carbonate alteration 126.00-130.80m: strong fracture controlled quartz-feldspar (albite?) and weak carbonitization imparts a net textured/brecciated appearance to the core	-trace amounts of finely disseminated pyrrhotite as wisps and blebs usually parallel to the schistosity throughout unit	-overall the core recovery for the unit is good (RD=75%) -broken core from 37.64-40.60m (coarse grained granitic dyke)

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		80.85-88.50m: local increase in small (2-3mm) subrounded to irregular shaped pale pink granet porphyroblasts to 20-25%				
		96.24-118.80m: core takes on a distinctive spotted appearance with slightly stretched to oblong 2-5mm chloritic spots set in the same chlorite-biotite-feldspar-quartz+/- garnet schist				
		118.80-129.30m: garnet-chlorite-amphibole rich zone with 60% coarse grained (to 3cm) garnet and coarsely bladed amphibole set in a fine grained chlorite-biotite matrix				
		#11.90-12.00# S2=20°				
		#27.80-27.85# S2=43°				
		#43.30-43.35# S2=30°				
		#55.20-55.25# S2=33°				
		#72.30-72.35# S2=38°				
		#90.10-90.15# S2=45°				
		#113.00-113.05# S2=35°				
		#137.10-137.15# S2=35°				
		#149.90-150.00# S2=20°				
150.00 TO 150.00	«BOH» end of hole					-hole failed to intersect a conductor -26 boxes of BQ core -hole is capped (4m of casing) and not making water

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	
AU01380	41.40	42.00	0.60	198	57	1	28	<2	0.4			<5	<5													2,a,*t	bracket
AU01381	42.00	42.57	0.57	388	63	1	57	<2	0.2			<5	10							2						2,a,*t	
AU01382	42.57	42.90	0.33	27	29	1	19	<2	0.1			7	10							4						2,a,*t	
AU01383	42.90	43.53	0.63	241	36	1	23	3	0.1			<5	<5							2						2,a,*t	
AU01384	43.53	44.13	0.60	140	25	1	14	<2	0.2			<5	<5													2,a,*t	bracket

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	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AU02485	9.00	12.00	3.00	49.670	14.930	9.9100	5.6400	2.7500	0.1800	14.790	1.2300	0.0300	0.2300	0.7900	100.15	33.000	33.000	36.000		95.000		81.000	39.000	37.000	193.00	2,a,*t	2hv	116	
AU02486	33.00	36.00	3.00	49.560	14.600	9.5400	7.0500	3.1300	0.1600	13.270	0.9500	0.0150	0.1900	1.5800	100.05	12.000	17.000	46.000		165.00		97.000	31.000	24.000	201.00	2,a,*t	2hv	114	
AU02487	63.00	66.00	3.00	48.030	15.040	8.2100	6.3200	3.4000	0.1600	17.320	1.3500	0.1000	0.2500	0.2200	100.40	30.000	93.000	35.000		71.000		172.00	36.000	17.000	67.000	2,a,*t	2(h)v	128	
AU02488	99.00	102.00	3.00	49.040	16.470	10.760	8.6400	1.5600	0.1000	11.420	0.5700	0.0150	0.2600	1.5400	100.38	13.000	10.000	296.00		107.00		75.000	21.000	39.000	307.00	2,a,*t	2hu	133	
AU02489	132.00	135.00	3.00	52.710	15.950	10.430	5.8600	1.5700	0.8000	9.4600	0.8400	0.1000	0.1900	2.2300	100.14	16.000	63.000	1615.0		155.00		105.00	27.000	47.000	238.00	2,a,*t	2(h)w	125	

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
AU02485	9.00	12.00	3.00										6.0000	579.00	1.0000					13.000		4.0000			0.47	0.66	7	31	14
AU02486	33.00	36.00	3.00										8.0000	446.00	1.0000					12.000		2.0000			0.56	0.65	3	36	10
AU02487	63.00	66.00	3.00										7.0000	447.00	1.0000					13.000		5.0000			0.46	0.55	3	36	11
AU02488	99.00	102.00	3.00										9.0000	483.00	1.0000					8.0000		0.5000			0.64	0.65	5	42	13
AU02489	132.00	135.00	3.00										11.000	580.00	3.0000					11.000		2.0000			0.60	0.65	8	36	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) W0160.00017 Assessment Files Research Imaging



42G02SE2003 2.20855 FENTON 900

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 the Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbur

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

2.20855

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

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

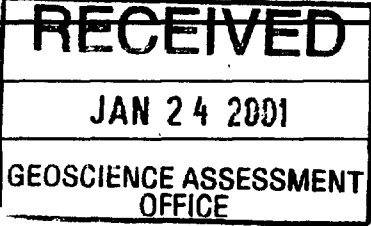
2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Form with checkboxes for Geotechnical, Physical, and Rehabilitation work. Includes fields for Work Type (Diamond Drilling 2 holes), Dates Work Performed, Global Positioning System Data, Township/Area (Fenton Township), and Mining Division (Porcupine).

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. Entry for 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 19/01), Agent's Address (PO Box 1140, Timmins, Ontario, P4N 7H9), Telephone Number (705) 264 - 5200 ext. 8231, Fax Number (705) 267 - 8874

#3154

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.

W201160.00017

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	P1226745	16	\$12,116	\$6,400	\$0	\$5,716
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
Column Totals		16	\$12,116	\$6,400	\$0	\$5,716

2. 20855

I, GARY DESCHUTER, 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 12/01

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)	

RECEIVED
 JAN 24 2001
 GEOSCIENCE ASSESSMENT
 OFFICE

0241 (03/97)

#3154



Statement of Costs for Assessment Credit

Transaction Number (office use) 60160.00017

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, Core box lids, Transportation Costs, Food and Lodging Costs, and Total Value of Assessment Work (\$12,116).

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 DE SCHUTTER, 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.

RECEIVED JAN 24 2001 GEOSCIENCE ASSESSMENT OFFICE

Signature: [Handwritten Signature] Date: Jan 19/01

#3154

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

February 8, 2001

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

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

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

Dear Sir or Madam:

Submission Number: 2.20855

Status

Subject: Transaction Number(s): W0160.00017 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: 2.20855

Date Correspondence Sent: February 08, 2001

Assessor: JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0160.00017	1226745	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

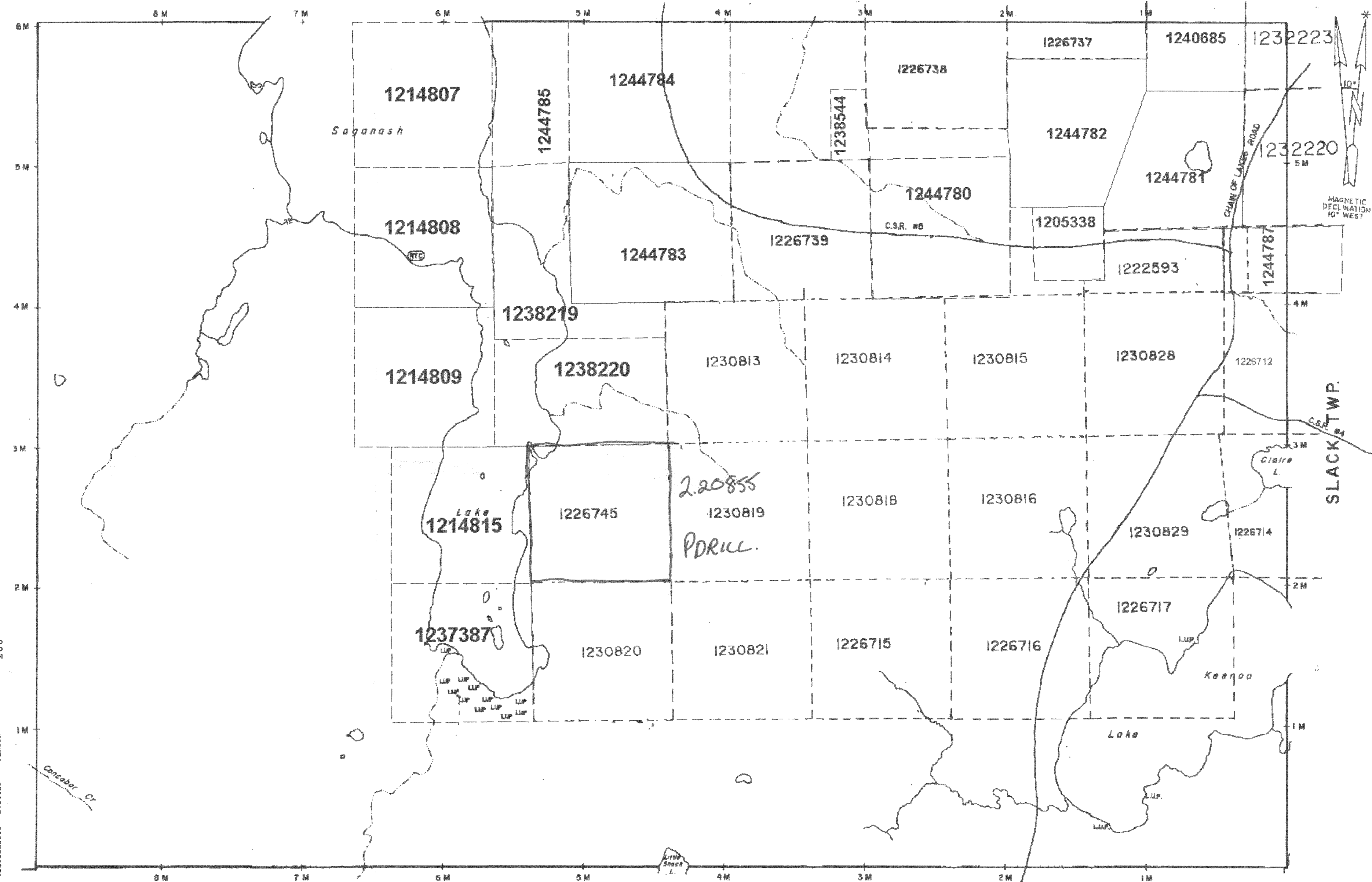
Assessment Files Library
Sudbury, ON

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.	⊙

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

FENTON

M.N.R. ADMINISTRATIVE DISTRICT

HEARST

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE



Ministry of Natural Resources

Ministry of Northern Development and Mines

Date

ACTIVATED JULY 30, 1992

BY P.D.

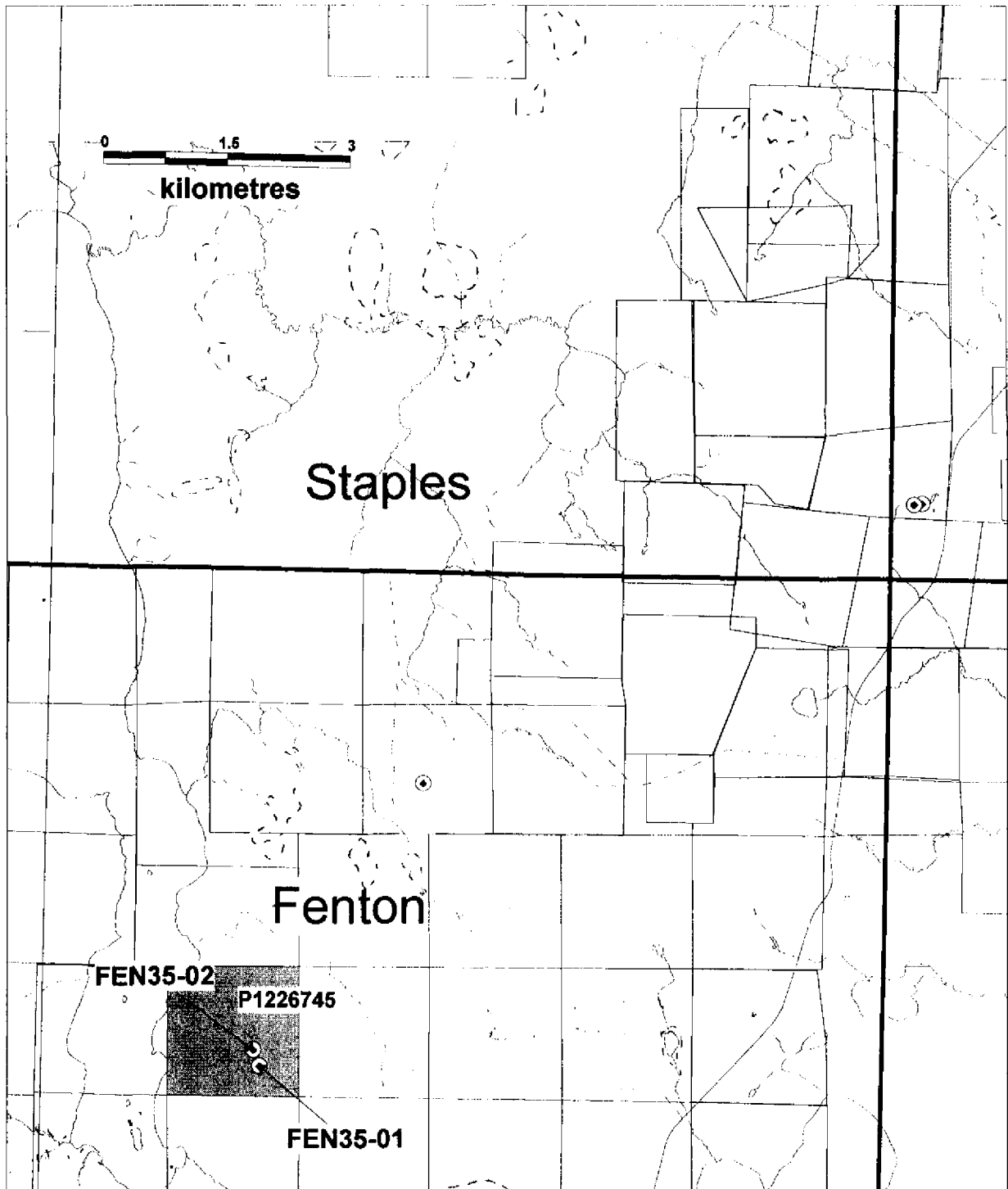
CHECKED BY D.C.

Number


G-874

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

426025E2003 2.20855 FENTON 200



RECEIVED ASTRONOMIC
 JAN 24 2001
 GEOSCIENCE ASSESSMENT
 OFFICE

FALCONBRIDGE LIMITED		
Exploration Division Timmins, ONTARIO		
Location Map for DDH FEN35-01 and FEN35-02		
TRACED: A.G.T.	DATE: 06/99	ITE:
DRAWN: A.G.T.	DATE: 06/99	MAP NO:
SUPERVISED: E.M.	DATE: 06/99	1:75,000
REVISED: GDE	DATE: 12/00	



P1226745



BASELINE 0

L 300 N

L 200 N

L 100 N

L 0

100 S

FEN35-02
395784E, 5429000N
Az. 130 degrees
Dip -60 degrees

EOH 150.00m

ANALYSES

SAMPLE	Cu	Pb	Zn	Ni	As	Mo	Ag	AU
AU01381	388	27	157	0	0	0	0	0
AU01382	27	1	83	23	19	23	14	0
AU01383	241	140	49	0	0	0	0	0
AU01384	140	49	0	0	0	0	0	0

EOH 66.90m

FEN35-01
388850E, 5428801N
Az 310 degrees
Dip -45 degrees

SAMPLE	Cu	Pb	Zn	Ni	As	Mo	Ag	AU
AU01379	63	29	1720	15	48	0	0	0
AU01378	284	19	1180	80	88	88	88	88
AU01377	85	48	10	187	17	0	0	0
AU01376	59	19	114	17	0	0	0	0
AU01375	140	18	290	11	171	19	0	0
AU01374	282	4	133	34	88	88	88	88
AU01373	867	71	4	523	68	80	29	0
AU01372	155	94	4	940	80	29	0	0
AU01370	155	94	4	940	80	29	0	0
AU01369	155	94	4	940	80	29	0	0
AU01368	155	94	4	940	80	29	0	0

L 100

L 0

L 100 S

ASTRONOMIC



FALCONBRIDGE LIMITED		
Exploration Division Toronto, ONARIO		
Location Map for DDH FEN35-01 and FEN35-02		
DATE 1998		1:5,000



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
5s	Sulphide (>40%)
4	Felsic Volcanic Rocks
3	Intermediate Volcanic Rocks
3c	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<80)
bx	Breccia		
c	Coarse Grained	C	Heterolithic
d	Quartz-Feldspar Phytic	D	Feldspar Phytic
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 Phytic	Q	
r	Oxide Iron Formation	R	Polytured
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	Accumulate
y	Icelandite	Y	Mesocumulate
z	Highly Evolved (Y>80)	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	Rc	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	Biotite	Lm	Limonite	Ti	Sphene (Titanite)
Bo	Bornite	Mag	Magnetite	Ag	Silver
Ca	Calcite	Mc	Malachite	Sp	Spinel
Cn	Chalcedony	Ma	Marcasite	Spd	Spodumene
Co	Chalcoite	Mt	Mica	St	Staurolite
Cp	Chalcopyrite	Mk	Microcline	Sb	Stibnite
Chl	Chlorite	Ml	Millerite	Sul	Sulphides
Ch>	Chloritoid	Mo	Molybdenite	S-M	Mass. Sulphides
Cr	Chromite	Mu	Muscovite	S-D	Diss. Sulphides
Cpx	Clinopyroxene	Ne	Nepheline	Tk	Talc
Co	Cobalt Minerals	Nc	Nicolite	Te	Telluride
Cv	Covellite	Ni	Nickel minerals	Tt	Tetrahedrite
Ct	Cordierite	Ov	Olivine	Te-Cl	Tantalite-Columbite
Dp	Diopside	Or	Orthoclase	Ti	Tourmaline
Dol	Dolomite	Opx	Orthopyroxene	Tr	Tremolite
Epi	Epidote	Pl	Phlogopite	Wo	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	Kaolinization
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	Lapillstone (75% <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
<MON>	Monzonite	<CGL>	Conglomerate	<MEL>	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	<RHYD>	Rhyodacite
<ANT>	Anorthosite	<CIF>	Carbonate IF	<RHY>	Rhyolite
<DIO>	Diorite	<SHA>	Shale	<SCL>	Sulphide Clasts
		<LST>	Limestone	<RWW>	Reworked Volcanic Debris

ALTERATION CODES

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

Example: EpPW = Epidote,Pervasive,Weak

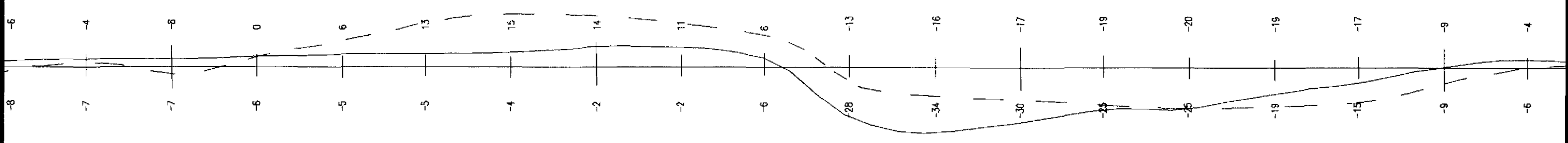
MINERALIZATION CODES

FORM	PERCENTAGE
D	Disseminated/Siebs
F	Fracture/vein controlled
M	Massive
B	Banded
C	Clasts/Fragments

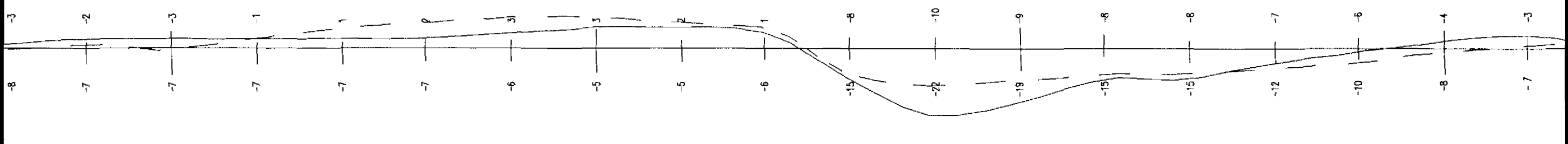
Example: CpB3% = Chalcopyrite, Banded, 3%



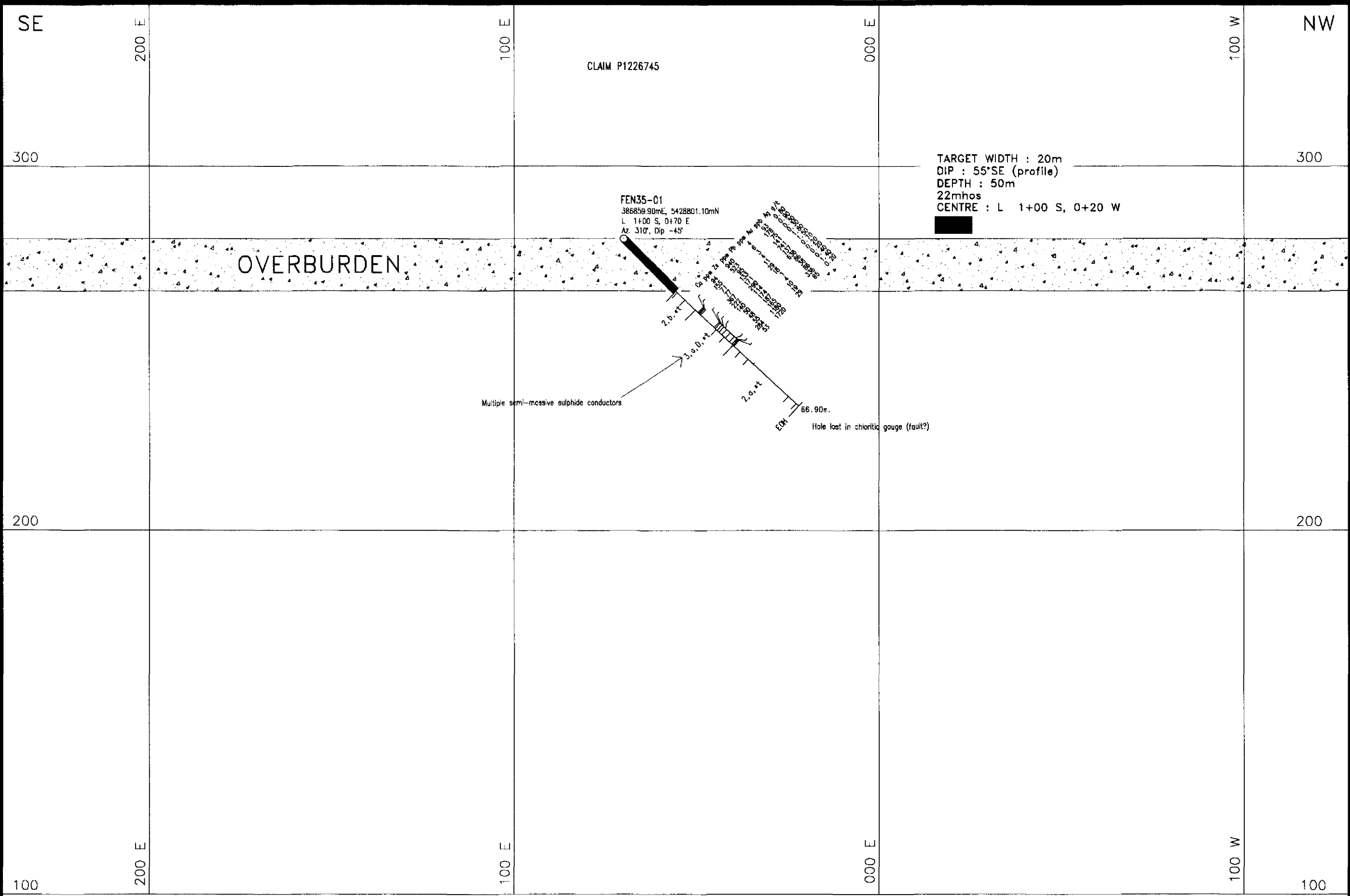
HLEM 1777Hz
Coil Separation 160m
Scale 1cm = +/-8%



HLEM 444Hz
Coil Separation 160m
Scale 1cm = +/-4%



MAG PROFILE
Scale 1cm = 200 nT



42G02SE2003 2.20855 FENTON 240

SAGANASH PROJECT		ASSAY TABLE														FEN35-01		
SAMPL. No.	FROM (M)	TO (M)	Li (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Al (ppm)	Ag (ppb)	Pt (ppb)	Pd (ppb)	Est. Ni (%)	Est. Co (%)	Est. Py (%)	Est. Op (%)	Est. Sp (%)	Est. Gh (%)	ROCK T
AU01368	28.00	29.36	0.4	94	540	4	29	93	0.8	<	<							3, a, D
AU01368	29.36	28.80	0.2	155	523	6	80	178	0.9	<	<			7	30			3, a, D
AU01370	28.80	30.00	0.4	71	95	3	59	75	0.3	<	<							3, a, D
AU01371	35.12	35.57	0.5	77	133	4	34	141	0.3	<	<							3, a, D
AU01372	35.57	36.34	0.8	367	171	11	83	741	1.5	<	<			36	36			MS
AU01373	36.34	37.04	0.7	222	290	29	39	137	1.5	<	<			4	2			3, a, D
AU01374	37.04	38.08	1.0	140	174	1	19	88	0.7	<	<			30	40			MS
AU01375	38.08	38.41	1.3	50	174	1	19	88	0.2	<	<							3, a, D
AU01376	38.41	40.94	1.5	48	187	4	17	38	0.2	<	<			4	4			3, a, D
AU01377	40.94	41.88	0.9	55	165	10	20	86	0.4	<	<			3	6			3, a, D
AU01378	41.88	42.25	0.4	294	1180	19	48	335	1.4	<	<			8	13			3, a, D
AU01379	42.25	42.48	0.4	53	1720	28	15	85	0.2	<	<			2	2			2, a, *T

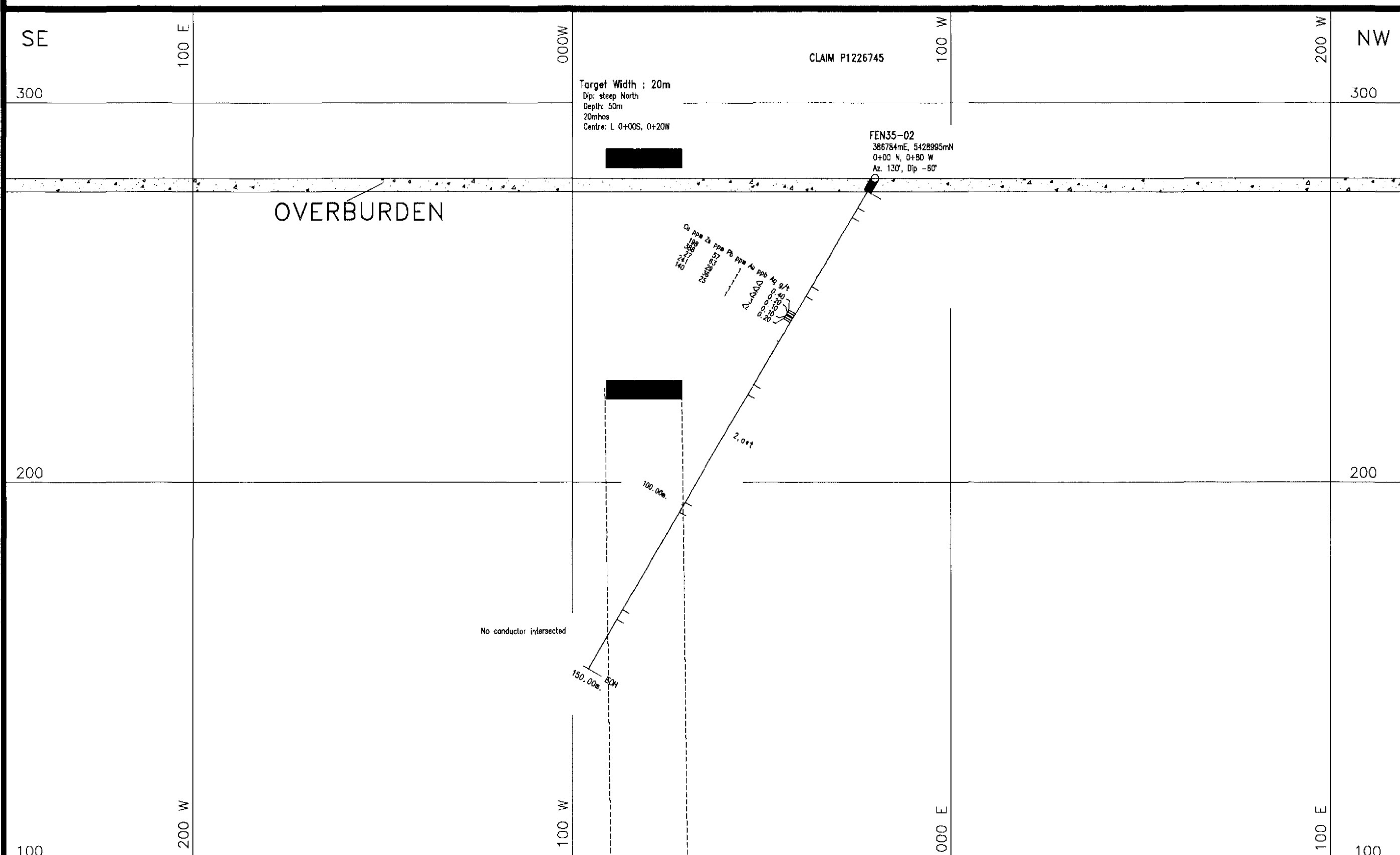
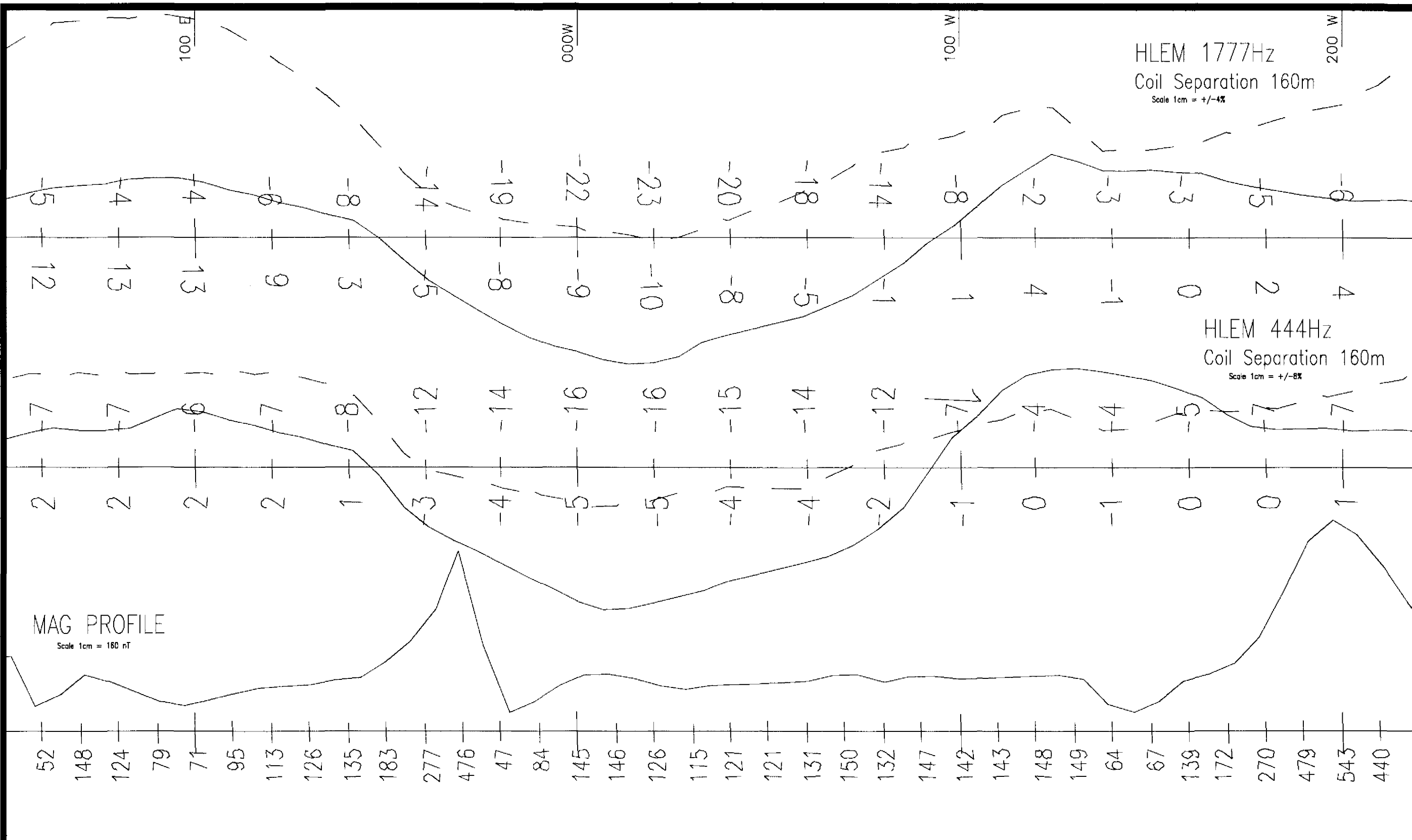
LEGEND

- | | | | |
|----|------------------------------|---|-----------------------------|
| 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 |

FALCONBRIDGE LIMITED
Exploration Division Timmins ONTARIO

SAGANASH PROJECT
GRID FENTON 35
LOOKING Az 220° FENTON Twp.
DRILL SECTION L 100 S
DDH FEN35-01

TRACED: PRODES	DATE: 08/12/2000	NTS: 42-0/02 & 01	PROJ.ECT: 281
DRAWN: del DRIFTING	DATE: 07/12/2000	MAP No:	FILE: FEN3501
SUPERVISED: g Desautels	DATE: 08/12/2000	SCALE 1:1 000 (metres)	0 10 20 30 40
REVISED:	DATE:		



SAGANASH PROJECT ASSAYS TABLE FEN35-02

SAMPL. No.	FROM (M)	TO (M)	Int (M)	Cu ppp	Zn ppp	Pb ppp	NI ppp	Al ppp	Ag ppp	Pt ppp	Pd ppp	Ext. Ni %	Ext. Po %	Ext. Py %	Ext. Op %	Ext. Sp %	Ext. Ge %	ROCK 1
AJ01380	41.40	42.00	0.8	180	57	1	28	2	0.4	0.5	0.5	2						2, e, vt
AJ01381	42.00	42.57	0.8	380	63	1	57	2	0.2	0.5	0.5	2						2, e, vt
AJ01382	42.57	42.90	0.3	27	29	1	19	2	0.1	0.1	0.1	4						2, e, vt
AJ01383	42.90	43.53	0.6	241	38	1	23	3	0.1	0.5	0.5	2						2, e, vt
AJ01384	43.53	44.13	0.6	140	25	1	14	2	0.2	0.5	0.5	2						2, e, vt

- 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 35

LOOKING Az 220° FENTON Twp.

DRILL SECTION L 000 N
DDH FEN35-02

TRACED: PRODES	DATE: 06/12/2000	NTS: 42-G/02 # 01	PROJECT: 291
DRAWN: dw	DRAFTING DATE: 06/12/2000	MAP No:	FILE: FEN3502
SUPERVISED: D Richardson	DATE: 06/12/2000	SCALE: 1:1 000 (metres)	0 10 20 30 40
REVISED:	DATE:		

