

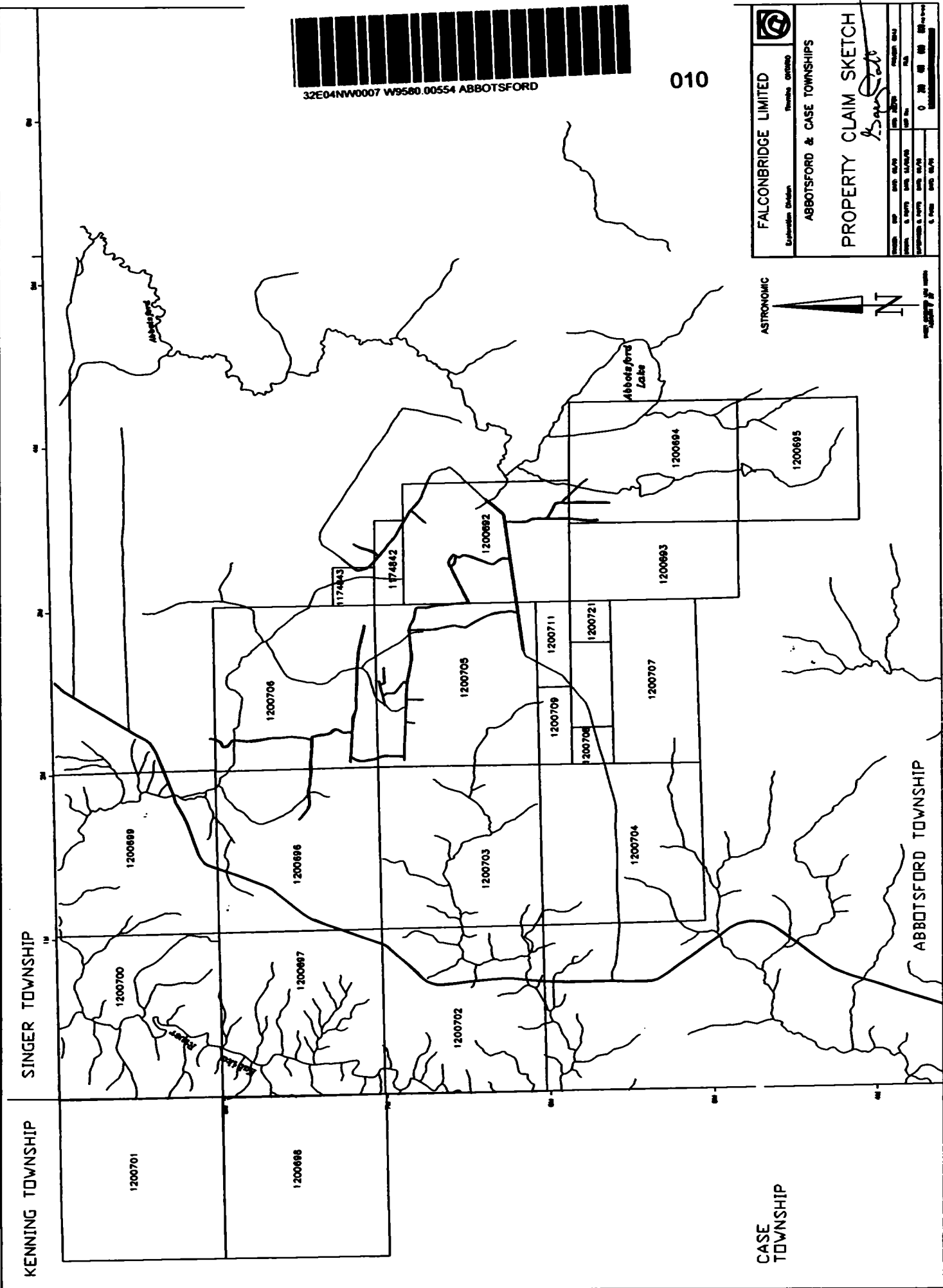


010

**FALCONBRIDGE LIMITED**  
 Exploration Division  
 Abbotsford & Case Townships

**PROPERTY CLAIM SKETCH**  
*Ken Sells*

DATE	BY	REVISION
01/01/00	Ken Sells	Initial
02/01/00	Ken Sells	Final
03/01/00	Ken Sells	Final
04/01/00	Ken Sells	Final
05/01/00	Ken Sells	Final



KENNING TOWNSHIP

SINGER TOWNSHIP

CASE TOWNSHIP

ABBOTSFORD TOWNSHIP

HOLE NUMBER: A895-01  
 PROJECT NAME: 8243  
 PROJECT NUMBER: 8243  
 CLAIM NUMBER: 1200706  
 LOCATION: ABBOTSFORD TWP

FALCONBRIDGE LIMITED  
 DRILL HOLE RECORD

DATE STARTED: 02/15/1995  
 DATE COMPLETED: 02/23/1995  
 DATE LOGGED: 02/26/1995

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

CONTRACTOR: DOMINIX  
 CASING: 12.19  
 CORE STORAGE: MORNETAL OFFICE  
 UTM COORD.: 585225.43E, 544605.20N

PULSE EM SURVEY: NO  
 FLOODED: NO  
 HOLE SIZE: 90

FLUTTING COORDS GRID: UTM'S  
 NORTH: 544605.20N  
 EAST: 585225.43E  
 ELEV: 98.45

ALTERNATE COORDS GRID: MAIN GRID  
 NORTH: 106-30N  
 EAST: 66-0E  
 ELEV: 98.45

COLLAR ASTROMONIC AZIMUTH: 211°30' 0"  
 COLLAR DIP: -45° 0' 0"  
 LENGTH OF THE HOLE: 315.10M  
 START DEPTH: 0.00M  
 FINAL DEPTH: 315.10M

GRID ASTROMONIC AZIMUTH: 211°30' 0"  
 GRID ASTROMONIC AZIMUTH: 211°30' 0"

COMMENTS: TESTS MAGNETIC HIGH & MINOS RELEM CONDUCTOR. WEDGES AT.

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
0.00	0° 0' 0"	-45° 0' 0"	A	DO							
15.00	0° 0' 0"	-42° 0' 0"	A	DO							
78.00	0° 0' 0"	-41°30' 0"	A	DO	Broken for the cork.						
139.00	0° 0' 0"	-40° 0' 0"	A	DO							
200.00	0° 0' 0"	-39° 0' 0"	A	DO							
279.20	0° 0' 0"	-38°30' 0"	A	DO	Broken for the cork.						
315.00	0° 0' 0"	-38° 0' 0"	A	DO							
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DATE: 08/23/1995

DRILL HOLE RECORD

HOLE NUMBER: AB95-01

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	AUTURATION	MINERALIZATION	REMARKS
0.00 TO 12.39	e{0}+ Casing Overburden					MAINTLY GRANITE BOULDERS FROM 6.0-12.2 M
12.39 TO 28.50	e3,m,{j}+ Calc-alkalic mafic volcanic massive	Massive, grey-green, fine grained transitional calc-alkalic mafic volcanic with weak foliation @ 30-55° to the core axis. Minor garnets. Non-magnetic. 13.30-13.46 Quarts Vein @ 40° to the core axis 20.22 S1 @ 58° to the core axis 20.81-20.87 Quarts Vein @ 70° to the core axis 22.70-23.30 Garnet-rich zone (1-2mm) 27.15 S1 @ 33° to the core axis. Sharp lower contact @ 45° to the core axis.	30°	Pervasive, weak chloritization. Minor quartz-calcite veins and associated weak silicification.	No sulphides.	Wholerock ARO3301
28.50 TO 36.38	e7,a+ Fine garnet-rich mafic intrusive.	Garnetiferous, dark grey-green, weakly-strongly foliated @ 20-30° to the core axis. Abundant quartz-calcite veinlets. Garnets average 3-5mm (up to 10mm), 10-15%, irregular, rounded grains. This could possibly be a metamorphosed sediment @ 29.75 S1 @ 23° to the core axis 30.54-30.80 Zone of 3-3% pyrite & coarse garnet (10mm diameter range) @ 34.70 S1 @ 33° to the core axis. Locally, thin, cherty bands are noted. Sharp lower contact at a mm scale cherty band @ 30° to the core axis.	35°	Pervasive, strong chloritization.	Trace Py as dissemination	Pale purplish-gray color. Indistinct rock labelled as intrusive due to the similarities with more distinctly intrusive units down section.
36.38 TO 40.09	e3,m,Am,{j}+ Fine grained, weak amphibolite mafic volcanic.	Grey-green, fine grained massive transitional calc-alkalic intermediate volcanic. Sharp lower contact @ 40° to the core axis with a mm-scale cherty band.		Strong irregular hairline calcite-silica fracture filling. Weak chlorite & minor sericite along a weak foliation at 30° to the core axis.		RQD 80-90% Wholerock ARO3302
40.09 TO 47.66	e7,a,0c+ Fine grained garnet-rich intrusive	Same type of unit as from 28.5 - 36.38. Purple-grey fine grained porphyritic rock. 15% flattened 1-10 mm Garnet @ 25-35°. Moderately biotitic as fine mm-scale laths. Sharp lower contact @ 25° a cm-scale cherty band.		1% Ca fracture filling along foliation. Weakly chloritic along foliation. Patchy weak pervasive silicification.	Stringer pyrite-rich zone of 1-10% pyrite + minor Pyrrhotite. Trace Pyrrhotite @ 40.8 result in a weak magnetism as at 45m. #42.37-43.27#Py71-10%, PoCO% 1.0-10.0% fracture/vein controlled pyrite/ 0.2% disseminated pyrrhotite	RQD 95%

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DRILL HOLE RECORD

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	AUTURATION	MINERALIZATION	REMARKS
47.66 TO 63.00	e3, e4, Am Fine grained, amphibolite mafic volcanic.	Grey-green, fine grained intermediate volcanic. Weakly to moderately amphibolitic. Weakly biotitic.		Rare 1-13cm (60.07) Calcite-Quartz stringers @ 35°. §54.33-54.62§CmPs strong, pervasive, chloritization.	Trace fine disseminated Pyrite-Pyrrhotite 60.03-60.23 §Py>D1-21, § 1.0-1.54 disseminated/blebby pyrite - Pyrrhotite.	RQD 95%.
63.00 TO 77.90	e3, e4, (1), Qt Fine grained mafic 60% Quarts veins.	Dark grey, transitional calc-alkalic massive intermediate volcanic cut by milky white .5cm-scale Quarts veins. Larger veins @ 45-55°, smaller @ 20-30° to the core axis. Rare blue mm-scale quartz amygdules ? Trace, patchy 1-3mm scale garnet. Moderately biotitic on vein margins. Moderate foliation @ 20-30° to the core axis.	50°	Weak pervasive silicification.	Rare. Trace fine disseminated Pyrite.	RQD in mafic host 60%.
77.90 TO 88.29	e5, e6 Fine Ca-rich biotitic sediment.	Brownish-grey, non magmatic, fine grained, moderately foliated rock @ 25-35° to the core axis.		Moderate pervasive calcitic carbonatization. Moderate pervasive patchy sericitization, weakly biotitic. Common (54) mm-scale Calcite stringers along foliation.	Mil sulphides.	RQD 90% Wholerock AK03303.
88.29 TO 104.68	e3, e4, e6 Fine grained amygdular basalt.	Grey-green fine grained rock hosting common mm-scale rounded Quarts-Calcite amygdules ? Upper contact in a 1m wide zone of brecciation as intense irregular network silicification fragmenting the intermediate host (subrounded fragments). Moderately biotitic, increasing down section as mm-cm-scale brownish bands along the fabric. Common "feathery" white/silver laths/needles occur below 99m (sillimanite?).	35°	Patchy moderate silicification down to 96m.	Mil sulphides	RQD 95%
104.68 TO 120.20	e7, e8, Si, Qt Fine grained biotite-garnet-rich intrusive.	Grey, fine grained, moderately foliated mafic intrusive. Up to 54 1-cm diameter Garnet generally lensoidal along foliation @ 40°. Upper contact sharp at a Biotite-rich zone @ 35° to the core axis. Overall, moderately biotitic producing the foliation.		Weak, patchy chloritization generally associated with the Garnet. Below 117.54, rock is siliceous and moderately biotitic with minor sulphides. Common mm-cm scale Quarts-Calcite stringers along foliation. §114.30-120.20§e-Si, PMs moderate, pervasive, silicification	§14.60-14.90§e-Py>F1-3§ 1.0-3.04 fracture/vein controlled Pyrite §117.83-119.00§e-Py>D1-21, §PoD0-1§ 0.2-2.04 disseminated/blebby Pyrite / 0.2-1.0 disseminated/blebby Pyrrhotite	RQD 95%.

HOLE NUMBER: AB95-01

DRILL HOLE RECORD

LOGGED BY: BLK/G. POTTS

DATE: 09/23/1995

DRILL HOLE RECORD

HOLE NUMBER: AB95-01

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
120.20 TO 134.70	sl,Am,Qt,B 1,GM>> Moderately Schistose Qt-Am-Bi volcanic.	Pinkish-green, weakly magnetic moderately schistose Garnet-Amphibole-Biotite rock at 30-40° to the core axis. Porphyritic garnet, 1-20mm in diameter (20-30°). Moderately amphibolitic and biotitic. Sharp lower contact at a 2cm-wide gouge 640°.	35°	§124.08-124.70§<sl>P8> strong, pervasive, silicification	Roughly 1% Pyrrhotite as fine fracture filling within the rock. Sulphides associated with the silicification at the lower contact. §124.08-124.70§<Py>P1-59,<Po>P1-19 0.5-5.0% fracture/vein controlled pyrite, 0.5-1.0% fracture/vein controlled pyrrhotite	Wholerock AM03304
124.70 TO 159.40	e5,as Fine grained sediment	Grey, fine grained rather massive unit. Moderately foliated (30°) and silicified down to 128 m associated with the fault gouge. Lower contact is sharp @ 30°. Patches of 1-5% <5mm white blades like mineral grains occur throughout the rock and may be sillimanite or leucosane. Overall, 8-10% fine Amphibole. 20-30% very fine Biotite. Fine siliceous groundmass. Two mm-scale chloritic grite @ 146.65 and 147.73 m @ 10° to the core axis. Weak to moderate foliation throughout @ 30-40° to the core axis. 154.0 - 159.4 Possible highly lensoidal fragments. Minor 1-3mm scale garnet noted towards the lower contact.	35°	Common (3-5%) 3mm-10cm Quartz-Calcite & Tourmaline veins generally @ low angles to the Ch. Veins increase down section. A minor amount of probable fuchsite and a brown staining is associated with the Quartz veins @ the upper contact. Weak pervasive chloritisation occurs throughout. 154.0-159.4 Common patches of bleached, well foliated zones with a strong pervasive silicification and weak epidotisation (olive green colour).	M1 sulphides in general. Trace pyrite along vein margins of the quartz veins associated with the upper contact. §159.90-159.40§<Po>P1-25 1.0-2.0% disseminated/blebby pyrrhotite	RQD 100%. Probable wacke-type sediment section from the aluminous nature of the mineralogy and the rather amorphous massive texture of the unit. Wholerock AM03305
159.40 TO 161.38	e5,as Fine, sulphide rich sediment	A dark brownish-black, very fine grained, dirty semi-massive zone of sulphide within fine argillaceous sediments occurs down to 159.60m. The rock is well foliated @ 30° to the core axis and is locally contorted with fold hinges @ 45° to the core axis (opposite). Down to 160.4 is a fine cherty-looking well banded rock. Below this is a well banded wacke-looking rock that is chilled against the dyke. The wacke is 30% Biotite in a fine siliceous matrix.	30°	§124.70-128.00§<sl>P8> strong, fracture/vein controlled, silicification §128.00-159.40§<sl>P8> moderate, pervasive, silicification	Dirty, very fine grained pyrrhotite-rich semi-massive sulphide (20-30%). Very fine dark cherty to argillaceous interstitial material is between sulphide grains. 1-3% pyrite occurs as fracture-filling within this zone. Below this at 159.00-160.40 within the cherty bands occur 3-5% fine pyrite-pyrrhotite as stringers along the fabric. The wacke-type sediments host 1% fine disseminated sulphides. §159.40-159.60§<Po>P20-30,<Py>P1-19 20.0-30.0% massive pyrrhotite; 1.0-3.0% fracture/vein controlled	RQD 95%. Dirty sulphide-rich chert and associated wacke-type sediment. Definite good conductor.

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
161.38 TO 165.36	49.4, <GMA> Fine grained granitic dyke.	Light grey-white, fine grained granitic dyke @ 20° to the core axis with sharp contacts & distinct chilled margins in both the dyke and host rocks. 10% biotite in a fine grained Quartz-rich groundmass.	20°	Minor hematite staining along fractures.	Pyrite §159.60-161.38 §Po>Pz-3%, <Py>Pz-1% 1.0-1.0% fracture/vein controlled pyrrhotite; 0.5-1.0% fracture/vein controlled pyrite	Late dyke
168.26 TO 173.96	45.4a Fine probable sediment.	Dark grey, fine grained moderately well foliated rock @ 30° to the core axis. Minor (1%) mm-scale Garnet near the upper contact. 10-20% Biotite producing the foliation. Siliceous groundmass. Patches of 8% fine (<5mm) white to pinkish generally elongate mineral masses (Sillimanite?). Indistinct lower contact.	30°	3-5% mm-scale quartz stringers @ various orientations associated with moderate pervasive silicification.	1-3% fine pyrrhotite and Pyrite throughout the section. Overall decrease in sulphides down the hole. §165.26-173.96 §Po>Di-2%, <Py>Cl-2%	R0D 1004 Same unit as described @ 124.70 to 159.40m. Wholerock AR03306
173.96 TO 193.70	41.31, Am.D <GMA> Biotite Amphibole - quartz phytic schist.	Brownish-grey, fine grained, non-magnetic highly foliated rock with up to 15%, 1-5mm diameter greyish white generally subrounded feldspar grains. Locally these grains are stretched-out lensoidal along the foliation. Up to 20% fine biotite imparts a brownish colour to the rock and is generally concentrated in cm-scale bands. Up to 30% dark green, fine grained amphibole is common as a groundmass component. The remainder of the rock is very fine grained and siliceous. Strong foliation @ 35°. The lower contact occurs at a 0.88m wide bleached, silicified, olive green, zone. Intensity of the foliation increases down sections locally the quartz grains appear as mm-scale stringers.	35°	§182.90-193.70 §DlP2, <Si>S5% strong, pervasive, bleaching; strong, spotty, silicification	Trace Pyrite as blebs and disseminations along the foliation.	R0D 1004. Guess at a protolith would be a felsic intrusive/volcanic due to the nature and abundance of the feldspar grains. Similar to the sub-unit described within 124.70 - 159.40m. Wholerock AR03307
193.70 TO 195.46	45.4a Fine grained sediment.	Same unit as 124.70 - 159.40m basically. Brown-grey, fine grained rock with a weak to moderate foliation @ 35-40° to the core axis. Patches of 3-5% mm-scale garnets are common as are the patches of very fine white mineral grains (sillimanite). Overall, 1% muscovite is noted. Fine siliceous groundmass.	40°	Common 5-10% cm-scale quartz-calcite veins generally along foliation. Common 5% bleached, olive green irregular fracture filling and associated pervasive zones as seen at the upper contact. 192.87 - 193.75 Zone of brownish pervasive silicification, and minor hematite.	Trace Pyrite as mm-scale fracture-filling.	R0D 951

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DRILL HOLE RECORD

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DRILL HOLE RECORD

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
195.46 TO 201.46	41.b.<DIO>> Medium grained Dioritic rock	Small, very fine grained mafic intrusive @ 20° to the core axis. Green-grey, medium grained, massive textured Dioritic rock with a moderate to strong foliation @ 35°. Up to 20% amphibole, 20% biotite in a siliceous groundmass. Indistinct upper contact in a zone of strong foliation placed at a cm-scale bleached band. Sharp lower contact at 40°	35°	{193.70-195.46}<esi>Ph Common (20) cm-scale quartz-calcite veining generally @ 45°. 200-200.50 - Milky white quartz vein @ 45°. {195.46-201.46}<esi>Ph moderate, fracture/vein controlled, silicification	Trace disseminated pyrite	ROD 909. Not so different of a composition from the fine grained more massive sections of the possible sediments up section. Wholerock AN03308
201.46 TO 212.33	41.a.<BI> Gr. <DIO>> Fine grained Amphibole - Biotite Siliceous Schist.	Dark grey, fine grained moderately to highly foliated, non-magnetic rock @ 30° to the core axis. 15-25 mm scale amphibole and up to 5-10% biotite in a very fine grained siliceous groundmass. Very similar in appearance to the dioritic unit described above however with a more intense foliation.	30°	Weak pervasive calcite carbonatization along foliation planes. Common, mm to cm-scale calcite & quartz veins generally along the fabric. {209.09-210.86}<esi>Ps strong, pervasive, silicification associated with more intense section of veins.	Trace fine pyrite along foliation planes.	ROD 958. Although there is a distinct upper contact, sections of the core are very similar in appearance to the diorite unit described above and have gradational contacts.
212.33 TO 213.91	41.g.<a,t> (1) Felsic quartz - phytic tuff	Dark grey, very fine grained, non-magnetic, transitional calc-alkalic felsic rock with a well developed banding @ 35° to the core axis. Up to 5-10% weakly blue-grey rounded glassy mm-scale quartz grains scattered throughout. Rare (1%) mm-scale garnets elongate along the fabric. Very fine siliceous matrix. Sharp upper and lower contacts @ 35° to the core axis.	35°	Weakly calcitic along foliation planes and 3-5% calcite - quartz stringers along the foliation. {219.10-219.71}<esi>Ph moderate, fracture/vein controlled, calcitic carbonatization along the fabric.	Trace to 1% very fine pyrrhotite and magnetite produce the magnetism.	ROD 1009. The quartz crystals and good banding suggests a possible tuff. Wholerock AN03309
213.91 TO 219.10	41.a.<BI> Bl.<DIO>> Fine grained amphibole - garnet - biotite schist.	Green, weakly magnetic (patchy) fine grained amphibole rich rock with 10-15% 1-5mm diameter porphyritic garnet generally drawn along the fabric @ 35° to the core axis. Very fine biotite is noted in concentrations up to 10% and defines a foliation. Scattered (1%) mm-scale bluish quartz eyes are noted in patches. Sharp lower contact @ 30°.	35°	{219.10-219.71}<esi>Ph moderate, fracture/vein controlled, calcitic carbonatization along the fabric.	Trace to 1% very fine pyrrhotite and magnetite produce the magnetism.	ROD 1009. Presence of quartz eye patches suggest possible interlayered tuff or possibly inclusions within an intrusive? Wholerock AN03310.
219.10 TO 219.71	41.g.<a,t> Fine grained quartz phytic tuff	Grey, fine grained, non-magnetic unit as described above from 212.33 to 213.91m. The unit has a stronger foliation and only rare mm-scale quartz grains are distinguishable. Well banded towards the base and locally has a fragmental appearance with cm-scale lensoidal siliceous masses drawn out along the foliation.	30°	{219.10-219.71}<esi>Ph moderate, fracture/vein controlled, calcitic carbonatization along the fabric.	Trace to 1% very fine pyrrhotite and magnetite produce the magnetism.	ROD 1009. Presence of quartz eye patches suggest possible interlayered tuff or possibly inclusions within an intrusive? Wholerock AN03310.

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
219.71 TO 220.85	49.9, P Fine grained quartz phytic intrusive	Light grey, non magnetic fine grained siliceous rock with up to 30-40% mm-scale white quartz grains. Up to 1-3% mm scale muscovite grains. Sharp, chilled contacts @ 30° to the core axis. Massive, non-foliated rock.	28°	Weakly chloritic. Common <mm muscovite throughout. #219.71-220.85#sPw weak, pervasive, sericitization	Nil sulphides	Appears to be a likely protolith for the quartz phytic tuffs described above.
220.85 TO 234.70	49.9, <85T>, S Interbedded siliceous quartz rich sediment and cherty bands	Very fine grained, non-magnetic light brownish grey rock interbedded with cherty-looking sections. Cherty bands are on the mm-cm scale and occur throughout @: 228.83 - 226.73 228.60 - 229.30 230.38 - 230.88 Between these cherty bands are very fine siliceous rocks which locally contain up to 3-5% mm-scale quartz grains. 3-5% mm-scale muscovite and a very fine grained biotite component (usually in brownish bands). Patches of up to 5% very fine white masses along the foliation are common (sillimanite?). Down to 221.82m the rock has a fragmental look with cm-scale lensoidal masses rich in the fine white mineral described above. Sharp lower contact @ 40° to the core axis. Highly contorted @ this lower with small scale interference folds (domal structure).	30°	1% mm-scale quartz stringers along the foliation.	Overall, 1% pyrite & pyrrhotite occurs as fracture filling along the foliation. Overall, the cherty sections host more sulphides. #228.44-230.94#sPy>P1-3# 1.0-3.0% fracture/vein controlled Pyrite #233.70-234.70#sPy>P1-3# 1.0-3.0% fracture/vein controlled Pyrite	RQD 95%. Has the appearance of a siliceous sediment however the patchy quartz eyes and locally fragmental texture may suggest a possible tuff component.
234.70 TO 245.00	41, Am, Qt, B1, <GAB> Medium grained Amphibole Garnet - Biotite Schist	#233.85-234.04#IPIAI Co-Py# Fault Annealed well fractured fault zone @ 48° to the core axis. 1-3% stringer pyrite is associated. Medium grained, dark green, weakly magnetic (patchy) schist with a weak to moderate foliation @ 30° to the core axis. Near the upper contact there are two small sections of siliceous sediment as described above at: 235.02 - 236.32 236.94 - 237.68 The contacts on these sediments are sharp, but at various orientations from 30-45°. The amphibolitic rock is composed of roughly 50-60% amphibole, 20-30% cm-scale irregular garnet masses generally elongate along foliation with mm-scale rounded glassy centres, up to 5-10% fine biotite masses and trace magnetite. Sharp lower contact at 45° to the core axis. #235.55-235.60#IPIAI Chloritic Fault Chloritic grit seam along the fabric	30°	Weak patchy chloritization and common (1%) cm-scale calcite - quartz veins along the fabric.	Trace to 1% sulphides throughout, with common small local concentrations of pyrite and pyrrhotite. #235.10-235.50#sPy>P3-10# 5.0-10.0% fracture/vein controlled Pyrite within a quartz vein and on the margins. #235.50-236.02#sPy>P2-4# 2.0-4.0% fracture/vein controlled Pyrite #236.32-236.94#sPy>P2-4# 2.0-4.0% fracture/vein controlled Pyrite #237.99-238.00#sPo>M60-90#	RQD 95%. Overall appearance of a possible intrusive into the sediments?

HOLE NUMBER: A895-01

DRILL HOLE RECORD

LOGGED BY: RLK/G. POTTS



DATE: 08/23/1995

DRILL HOLE RECORD

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
245.00 TO 246.10	±5, <MCK>, Fine siliceous sediment as described above.	As described above from 220.85 to 234.70m. Rare quartz grains are almost "ghost-like". Moderately foliated. Has a less "gritty" appearance and more like a wacke.	20°	Moderate hairline quartz-calcite stringers.	80.0-90.0% massive Pyrrhotite M11	Same siliceous sediment/ felsic tuff unit Wholerock AR03311
246.10 TO 267.26	±6, <DIO> Fine grained siliceous rock, possible diorite.	Grey, non-magnetic, fine grained massive textured rock with a weak to locally moderate fabric @ 35°. Down to 257m, the unit has a coarser grain size and displays up to 200 mm-scale amphiboles in a fine siliceous groundmass with a "dioritic" texture. Below this it becomes finer grained and more felsic looking. Patches of fine biotite are common near the upper and lower contacts and decrease towards the middle of the unit. The upper contact is sharp @ 10° however the lower contact is indistinct in a zone of foliation.	35°	Moderate pervasive silicification if the unit is not siliceous.	M11 Sulphides	RQD 90%. Appears to have intrusive textures. Wholerock AR03312
267.26 TO 269.07	±5, <MCK> Fine grained siliceous sediment similar to above.	Light brownish grey, non-magnetic rock with a moderate foliation @ 40° to the core axis, similar to the unit described above at 245.00 to 246.10 m.	40°	±267.26-269.07<CBPM> moderate, pervasive, carbonatization (calcitic) along the fabric.	M11 sulphides	
269.07 TO 273.16	±11, Am, Qt, St, <DHC> Quartz - Biotite - Garnet - Biotite Schist	Dark green, medium grained weakly magnetic (patchy due to 1-3) mm-scale magnetite masses) schist. As described above at 234.70 - 245m. Rather gradational lower contact.	35°	5 cm quartz vein @ 272.15 along the fabric. Minor mm-scale stringers associated.	Trace fine disseminated pyrite and pyrrhotite.	
273.16 TO 281.12	±11, Qt, Bi, St, <DHC> Quartz - Biotite - Possible staurolite Schist	Brownish grey, fine grained non-magnetic schist with a strong foliation at 40° to the core axis. Roughly 70% of the rock is a fine siliceous quartz-rich groundmass. Up to 15% of the rock is biotite, generally in mm-scale bands. 5% fine yellow-brown irregular, hard masses generally along foliation (possible staurolite - N.Provins). 1-3) ±.5mm white masses along the foliation with commonly a blade-like habit (sillimanite?). Well	40°	±273.16-281.12<S1>PMs moderate, pervasive, silicification	Trace (rare) fine pyrrhotite along foliation planes.	RQD 100%. Mineralogy (if correct) suggest a sedimentary protolith like a wacke, geochemistry suggests a volcanic. Wholerock AR03328

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DRILL HOLE RECORD

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DRILL HOLE RECORD

HOLE NUMBER: AB95-01

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
281.12 TO 292.32	cll,Am,Bt, Qt,<del>Cpx</del> Medium grained amphibole - biotite - garnet schist	banded unit. Green, non-magnetic, medium grained schist with an intense foliation from 282 to 288m @ 30° to the core axis. Overall 30-40 % amphibole, 30-40% biotite generally concentrated in cm-scale brown bands and up to 20% garnet as cm-scale pinkish masses elongate along the fabric as described above. A fine siliceous interstitial groundmass to these minerals accounts for up to 5-10% of the rock. Trace mm-scale subrounded quartz eyes are locally noted as are rare, fine brown masses of possible staurolite. The zone of intense foliation is highly calcitic and hosts only minor garnet. Sharp lower contact @ 30°. Siliceous component may reflect fragments as they are lensoidal and locally display closure (ie. perhaps the core is cutting them along the stretching lineation?) in the area from 287 - 288.34m.	30°	Q282.00-288.00#<del>Cpx</del> strong, fracture/vein controlled calcitic carbonatization along the foliation in the highly foliated section. Common (1b) irregular hairline fracture controlled calcite throughout.	Trace fine disseminated pyrite.	ROD 95%. Same unit as occurs above however, noticeable quartz grains and lensoidal, siliceous fragments (?) may indicate a tuffaceous component. Wholerock AN03113
292.32 TO 298.37	cll,Qt,Bt, St,7,Silms Fine siliceous biotite -staurolite sillimanite schist	Grey, fine grained non- magnetic well foliated schist @ 35° to the core axis as described above from 281.12 to 292.32m. 70% fine siliceous rock with 20% biotite and 10% fine, irregular brownish masses which generally occur more concentrated in cm-scale bands and are associated with very fine, white, bladed, softmasses of possible sillimanite.	35°	Patchy weak pervasive sericitization and moderate silicification throughout. Highly silicified at the lower contact associated with sulphides. Q292.32-297.85#<del>St</del># weak, pervasive, sericitization; moderate, pervasive silicification strong, pervasive, silicification	Trace fine pyrite and pyrrhotite throughout with a local concentration of 3% as fracture-filling along the fabric at the lower contact. Q297.93-298.37#<del>Po</del>#P2-3b,<del>Py</del>#P1-1b 2.0-1.0% fracture/vein controlled pyrrhotite; 0.5-1.0% pyrite fracture filling	ROD 95%. Overall sedimentary appearance
298.37 TO 299.37	<del>Po</del> Massive Pyrrhotite	Very fine grained, highly magnetic, conductive massive sulphide. The sulphide is well banded (mm-scale) and contains up to 20% inclusions as argillaceous material, mm-scale garnets, quartz grains and calcitic material. The unit is highly contorted and displays interference fold features/soft sediment deformation. Dirty massive sulphide.	20°	Q298.37-299.41#<del>Po</del>#Cpx# strong, fracture/vein controlled, calcitic carbonatization as hairline fracture filling	Dirty massive pyrrhotite with trace pyrite noted along fractures. Q298.37-299.41#<del>Po</del>#M65.75%,<del>Py</del>#P2-1b 65.0-75.0% massive pyrrhotite ; 0.5-1.0% fracture/vein controlled pyrite	Target conductor
299.37 TO 301.37	<del>St</del> Cherty sediments	Brownish grey, well laminated cherty bands interlayered with cm - scale more granular bands hosting the brown and white possible aluminous minerals described above (staurolite/sillimanite) . Highly contorted at the	40°	Q299.37-300.90#<del>St</del># Patchy strong silicification associated with common irregular mm-scale white quartz veins. Q299.37-300.90#<del>St</del>#	Sulphides decrease down section. Up to 10% at the upper contact as banded pyrrhotite dusting and pyrite stringers.	ROD 70%. Good distinct chert bands.

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DRILL HOLE RECORD

HOLE NUMBER: AB95-01

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DRILL HOLE RECORD

HOLE NUMBER: AB95-01

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	AUTERATION	MINERALIZATION	REMARKS
		upper contact. #301.32-301.33]-(PAl)grit seams Fault Chloritic grit seam along the foliation.		strong, pervasive, silicification	#299.37-299.87]-(Po)S-10]-(Py)P3-5] 5.0-10.0% bedded/banded pyrrhotite / 3.0-5.0% fracture/vein controlled pyrite	
301.37 TO 305.61	cl.Ot.BI, Am.Ol.SulS Siliceous sulphidic biotite - amphibole - garnet schist	Brownish grey to green grey, fine grained magnetic rock hosting sulphides along the foliation planes. Overall 30-40% fine siliceous groundmass with 15-25% biotite, 20-30% amphibole and 3-5% of each of mm-scale garnets, staurolite (?) and sillimanite(?). The unit is more biotitic near the upper contact and gives way to a more amphibolitic rock down section. Distinct mm-scale quartz eyes are locally noted.	35°	Overall weak pervasive silicification throughout strong, pervasive, quartz flooded section	#299.87-301.17]-(Py)S0-1] 0.2-0.5% disseminated/blebby pyrite Overall, 3-5% sulphides throughout with local concentrations associated with the quartz-flooded zones. #301.37-302.51]-(Po)P3-5]-(Py)P3-1] 3.0-5.0% fracture/vein controlled pyrrhotite; 0.5-1.0% pyrite fracture filling	RQD 90%. Overall similar appearance to the schists above the massive
305.61 TO 313.30	cl.Am.BI, Ot.Ol.<RTD> Amphibole - Biotite - Garnet - Quartz schist	Green grey schist as above from 301.37 to 305.61 with a decrease in sulphide content. Garnet masses are drawn out along the foliation and are locally rimmed by blue-grey siliceous (quartz) lenses as boudins. Geochemistry suggests transitional calc-alkalic felsic rock. Highly foliated, calcitic section @ 310.20 - 311.20 m.	30°	309.53 - 309.78 Milky white quartz vein along foliation. Associated with a weak epidote alteration. Common irregular hairline quartz stringers. #308.68-311.68]-(Sp)P3W, <Si>P3 weak, fracture/vein controlled, moderate, fracture/vein controlled, Weak, local pervasive sericitisation.	#303.15-305.61]-(Po)P3-3]-(Py)P3-3] 1.0-2.0% fracture/vein controlled pyrrhotite; 1.0-3.0% fracture/vein controlled pyrite	RQD 95%. Gradational change from the unit above as sulphides decrease. Wholerock ARO3114
313.30 TO 315.10	cl.Ot.BI, St.Sim.<DMC> Siliceous biotite -staurolite schist.	As described above from 292.12 to 298.37m. Gradational upper contact. Well banded with the possible aluminous minerals concentrated in cm-scale bands. #313.75-313.76]-(PAl)grit> Fault mm-scale chloritic grit @ 35° to the core axis.	30°	Nil sulphides		

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DRILL HOLE RECORD

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DRILL HOLE RECORD

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
315.10 TO 315.10	eFON*	End-Of-Hole				

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DRILL HOLE RECORD

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ASSAYS SHEET

HOLE NUMBER: AB95-01

Sample	From (M)	To (M)	Legth. (M)	Cu Ppm	Zn Ppm	Au Ppb	Ag Ppm	Pb Ppm	Co Ppm	Cu/Zn Ppm	ML Ppm
AR02851	30.31	30.91	0.60	68	48	0	0.1	1			31
AR02852	42.37	43.27	0.90	110	68	0	0.1	1			18
AR02853	59.92	60.22	0.30	16	87	0	0.1	1			43
AR02854	114.46	116.94	0.80	47	183	0	0.2	1			20
AR02855	117.54	118.94	1.00	22	100	0	0.1	1			16
AR02856	121.10	121.70	0.60	81	33	0	0.1	1			37
AR02857	124.00	124.70	0.70	77	93	0	0.1	5			47
AR02858	158.90	159.40	0.50	44	46	0	0.1	1			42
AR02859	159.40	159.80	0.40	105	508	0	2.5	211			80
AR02860	159.80	161.38	1.88	55	117	0	0.2	4			29
AR02861	165.26	166.76	1.50	56	182	0	0.1	2			47
AR02862	166.76	168.26	1.50	76	173	0	0.1	1			64
AR02863	168.26	169.76	1.50	83	58	0	0.1	1			89
AR02864	212.63	213.13	0.50	39	86	0	0.1	1			28
AR02865	219.01	219.71	0.70	76	137	0	0.2	1			50
AR02866	228.44	229.94	1.80	79	206	0	0.1	1			55
AR02867	229.94	230.94	1.00	80	274	3	0.2	12			84
AR02868	231.70	234.70	1.00	36	3060	0	1.2	687			39
AR02869	234.70	235.70	1.00	51	295	0	1.3	257			48
AR02870	235.70	236.90	1.20	29	62	0	0.1	2			40
AR02871	237.68	238.18	0.50	82	64	7	0.3	6			51
AR02872	297.87	298.37	0.50	26	68	0	0.1	1	5		23
AR02873	298.37	299.37	1.00	192	380	0	0.3	2	10		59
AR02874	299.37	299.87	0.50	66	91	0	0.3	6	31		41
AR02875	299.87	301.17	1.30	16	41	0	0.1	15	6		29
AR02876	301.17	302.17	1.00	11	138	0	0.1	53	17		37
AR02877	302.17	302.87	0.70	56	83	0	0.2	1	16		45
AR02878	302.87	304.37	1.50	22	271	3	0.2	88	11		23
AR02879	304.37	305.67	1.30	19	110	0	0.2	46	10		23

ASSAYS SHEET

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DATE: 23/08/1995

GEOCHEMICAL ASSAY

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Sample	From (M)	To (M)	Lang. (M)	SI02	AL2O3	CAO	K2O	Na2O	Fe2O3	TiO2	P2O5	MnO	Cr2O3	LOI	SDM	Y	Zr	Ba	Rb	Sr	CO2	Cu	Zn	Ni	CR	FIELD	CHEM	ALUM
AR03301	17.50	20.50	3.00	88.66	16.94	7.42	4.77	4.02	5.86	0.76	0.16	0.11	0.04	1.17	100.18	28	126					60	65	105		3.m, 61.3h		140
AR03302	36.38	39.38	3.00	88.20	15.30	7.78	6.71	3.20	7.97	0.75	0.24	0.22	0.08	1.78	100.35	24	126					10	65	175		2.m, Am, 2hw		126
AR03303	78.56	81.56	3.00	49.48	18.10	7.74	5.86	0.68	6.98	0.79	0.18	0.16	0.03	5.26	100.01	24	124					75	95	110		3.m, 7.3h		134
AR03304	120.70	123.75	3.05	88.62	15.31	5.45	4.50	0.37	9.72	0.67	0.13	0.12	0.03	2.76	100.94	32	166					10	70	50		11, Am, 03h		172
AR03305	129.84	132.84	3.00	89.51	17.61	4.02	3.81	3.13	6.29	0.95	0.20	0.12	0.03	1.15	100.20	24	146					45	75	55		2, 5, 7, 8, 3j		167
AR03306	170.00	173.00	3.00	62.45	16.20	3.44	3.50	2.43	6.02	0.90	0.20	0.11	0.04	1.79	100.37	34	146					55	120	60		5, 3, 61, 5		176
AR03307	175.56	178.56	3.00	47.94	16.16	13.35	4.25	1.71	6.02	0.63	0.12	0.23	0.04	7.99	100.91	18	106					30	50	38		11, 81, AJ, 5		92
AR03308	196.00	199.00	3.00	54.50	16.75	9.12	3.97	3.68	8.80	0.98	0.18	0.17	0.05	1.91	100.78	26	106					45	65	105		8, 7, Am, 8h		124
AR03309	213.13	213.29	0.16	65.62	15.69	2.89	1.50	2.04	5.38	0.66	0.12	0.14	0.04	1.06	100.40	52	272					30	75	50		4, 9, t, 3h, 8		152
AR03310	218.19	218.19	3.00	62.44	12.91	3.74	3.09	0.95	10.58	0.50	0.10	0.44	0.05	2.13	100.11	48	274					30	70	95		11, Am, 02, 3, w		163
AR03311	245.71	245.89	0.18	46.88	10.26	7.04	4.30	0.37	28.63	0.41	0.06	1.48	0.03	40.01	100.05	36	196					40	60	40		5, /, 4, 5, 8		126
AR03312	247.00	250.00	3.00	59.12	15.76	5.95	4.76	3.76	8.40	0.69	0.14	0.13	0.03	1.51	100.71	28	120					40	60	80		8, 7, 8h		154
AR03318	276.15	279.15	3.00	48.29	14.28	2.57	3.08	2.74	1.86	5.67	0.64	0.10	0.08	1.23	100.81	38	276					28	90	35		11, 0c, 8, 3, j	t	199
AR03313	287.00	290.00	3.00	45.71	12.27	3.68	3.52	1.26	1.74	9.48	0.60	0.12	0.29	2.32	100.96	48	248					35	70	45		11, Am, 8, 2, h, w	t	184
AR03314	305.61	308.61	3.00	72.89	12.01	2.93	2.56	1.84	5.98	0.46	0.08	0.23	0.05	1.09	100.93	54	298					40	60	140		11, Am, 8, 4, j, 8		213

GEOCHEMICAL ASSAY

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GEOCHEMICAL ASSAYS

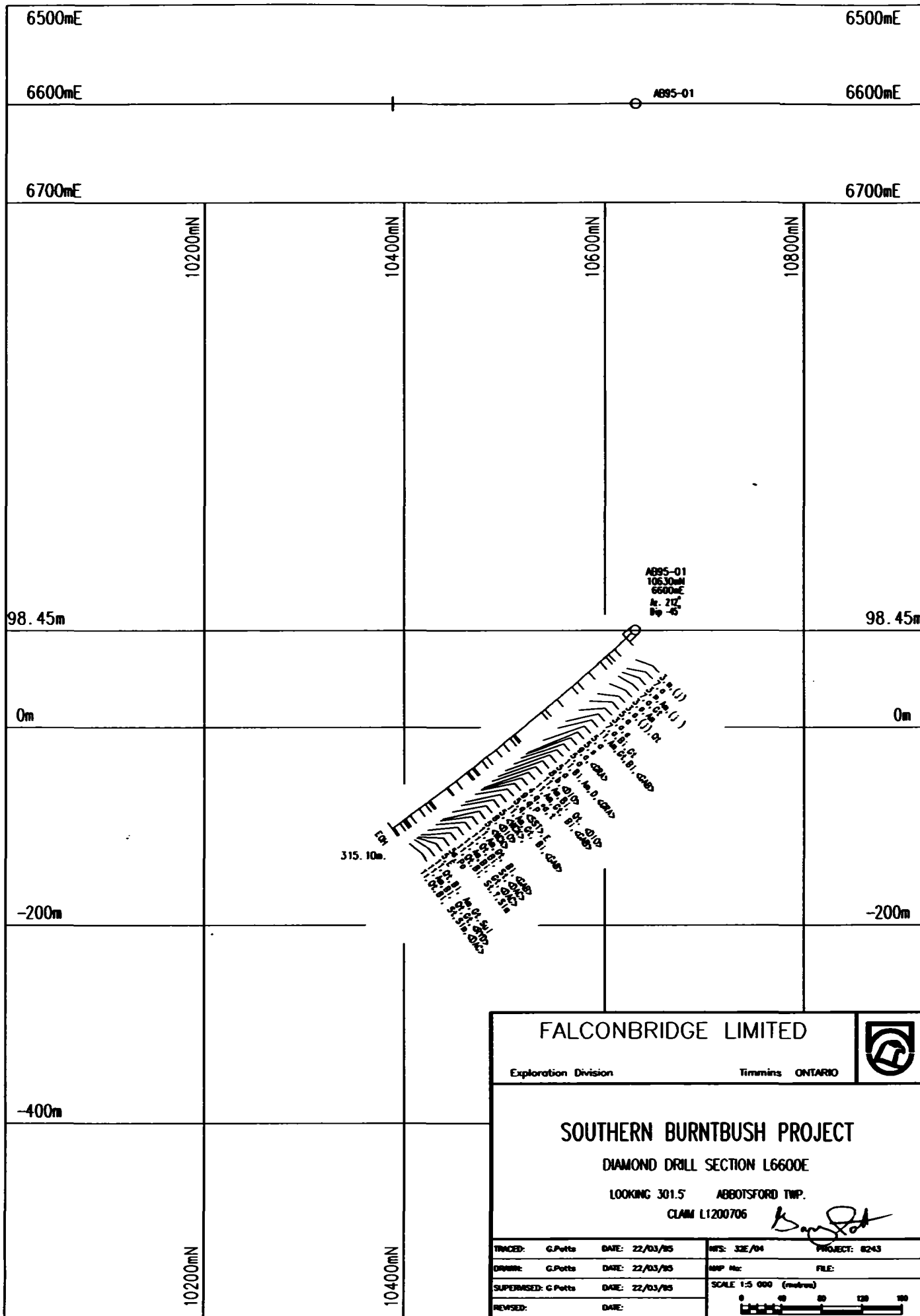
HOLE NUMBER : AB95-01

Sample	From (M)	To (M)	Lens (M)	AG PPM	AU PPB	CO PPM	CR PPM	FB PPM	S PPM	V PPM	AS PPM	SI 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	NO PPM	SN PPM	RU PPM	CO PPM						
AR03301	17.50	20.50	3.00			20			<100																										
AR03302	36.38	39.38	3.00			35			<100																										
AR03303	78.56	81.56	3.00			30			<100																										
AR03304	120.70	123.75	3.05			20			<100																										
AR03305	129.84	132.84	3.00			10			<100																										
AR03306	170.00	173.00	3.00			40			2800																										
AR03307	175.56	178.56	3.00			20			<100																										
AR03308	196.00	199.00	3.00			25			<100																										
AR03309	213.13	213.29	0.16			10			1100																										
AR03310	215.19	218.19	3.00			15			<100																										
AR03311	245.71	245.89	0.18			10			2800																										
AR03312	247.00	250.00	3.00			20			<100																										
AR03313	276.15	279.15	3.00			15			700																										
AR03314	287.00	290.00	3.00			20			<100																										
AR03314	305.61	308.61	3.00			10			1500																										

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GEOCHEMICAL ASSAYS

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6500mE

6500mE

6600mE

6600mE

AB95-01

6700mE

6700mE

10200mN

10400mN

10600mN

10800mN

98.45m

98.45m

0m

0m

-200m

-200m

-400m

10200mN

10400mN

FALCONBRIDGE LIMITED

Exploration Division

Timmins ONTARIO



SOUTHERN BURNTBUSH PROJECT

DIAMOND DRILL SECTION L6600E

LOOKING 301.5 ABBOTSFORD TWP.

CLAIM L1200706

*Signature*

TRACED: G.Potts	DATE: 22/03/95	NFS: 32E/04	PROJECT: 8243
DRAWN: G.Potts	DATE: 22/03/95	MAP No:	FILE:
SUPERSEDED: G.Potts	DATE: 22/03/95	SCALE 1:5 000 (metres)	
REVISED:	DATE:		



HOLE NUMBER: AB95-02  
 PROJECT NAME: 8243  
 PROJECT NUMBER: 8243  
 CLAIM NUMBER: 120708  
 LOCATION: Abbotsford Township  
 DATE STARTED: 02/23/1995  
 DATE COMPLETED: 02/28/1995  
 DATE LOGGED: 02/03/1995  
 COLLAR SURVEY: NO  
 RQD LOG: YES  
 HOLE MAKES WATER: NO  
 COLLAR SURVEY: NO  
 PLOTTING COORDS GRID: UTM'S  
 NORTH: 5445366.70N  
 EAST: 585587.05E  
 ELVY: 98.42  
 ALTERNATE COORDS GRID: MAIN GRID  
 NORTH: 98+60N  
 EAST: 76+0E  
 ELVY: 98.42  
 COLLAR AZIMUTH: 210° 0' 0"  
 GRID AZIMUTH: 210° 0' 0"  
 COLLAR SURVEY: NO  
 PLOTTED: NO  
 HOLE SIZE: 80  
 CONTRACTOR: DOMINIK  
 CASING: PULLED BY  
 CORE STORAGE: Normetal Office  
 UTM COORD: 585587.05E, 5445366.70N

DATE: 08/23/1995  
 IMPERIAL UNITS:  
 METRIC UNITS: X  
 COLLAR DIP: -48° 0' 0"  
 LENGTH OF THE HOLE: 148.13M  
 START DEPTH: 0.00M  
 FINAL DEPTH: 148.13M

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
13.00	0° 0' 0"	-45°30' 0"	A	OK							
74.98	0° 0' 0"	-42° 0' 0"	A	OK							
148.00	0° 0' 0"	-40° 0' 0"	A	OK							

COMMENTS: Targets two HLEM conductors in interpreted intermediate to felsic volcanic stratigraphy.  
 WEDGES AT:  
 LOGGED BY: G. Potts  
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DRILL HOLE RECORD

HOLE NUMBER: AB95-02

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 12.19	«108» Casing Overburden					
12.19 TO 20.99	«3.P.(5)» Pillowed andesite	Grey green, non-magnetic andesite with distinct pillow selvages rich in biotite and mm-scale amphibole needles. Pillow cores are fine grained with 5-10 $\mu$ mm amphiboles and 5-10 $\mu$ very fine biotite. Sharp lower contact at 30° to the core axis. §16.47-17.07§-17A1 lost core Fault Drillers indicate fault zone.		1 $\mu$ cm-scale calcite-quartz veins at various orientations.	Nil sulphides	Distinct pillow flow RQD 70% Wholerock AR03215
20.99 TO 41.76	«5.B1.Am.0t» «4NC» Fine wacke sediment rich in biotite - garnet - amphibole	Brown-grey, fine grained, weakly magnetic (patchy) well banded sediment. Overall, the unit consists of 30-40% fine brown biotite, 20-30% fine amphibole material, 10-20% mm-scale rounded garnets and 10-20% very fine siliceous component. Concentrations of any one mineral usually occurs in cm-scale bands.	35°	Moderate calcite carbonatization throughout as mm-cm scale stringers along the fabric. §24.00-30.00§-«Cb»P§ moderate, fracture/vein controlled, carbonatization	Magnetism due to patches of up to 1-3 $\mu$ very fine magnetite & pyrrhotite below 29m. §33.76-33.92§-«Py»P§-10 $\mu$ , «Po»P§-10 $\mu$ § 5.0-10.0 $\mu$ fracture/vein controlled pyrite, 5.0-10.0 $\mu$ fracture/vein controlled pyrrhotite	RQD 55% Fairly obvious interflow sediment. Wholerock AR03216 taken for comparison to rocks in AB95-01
41.76 TO 42.19	«5.B1» Pyrrhotite- rich sediment	Brownish-grey, thinly laminated sediment @ 35° to the core axis. Centred on a 2cm wide massive pyrrhotite band. Sediment is as described above.	38°	§41.74-42.19§-«Cb»P§ strong, pervasive, calcitic carbonatization	Pyrrhotite rich sediment centered on a 2cm-wide massive band. Stringer sulphide along the foliation associated with this band.	
42.19 TO 55.46	«5.A.»«ARG» Argillite	Grey-black, fine, non-magnetic argillaceous sediment. Well laminated with mm-cm-scale bands. Local garnet-rich patches with 10-20 $\mu$ 1-5mm diameter garnet masses drawn along the fabric. Associated with these zones is a moderate amphibolitization and resembles more like the wackes described up-hole (45.62-47.52m). Throughout the argillaceous rock up to 10-15 $\mu$ biotite is noted and generally are concentrated in mm-scale bands (more pelitic zones?). Fine amphibole occurs throughout as well. Overall, the sediment becomes more massive down section.	45°	Weakly chloritic as fine fracture filling generally along the fabric. A weak sericitic alteration is associated.	Trace to 1 $\mu$ fine pyrite-pyrrhotite fracture filling occurs near the upper contact. §42.19-46.99§-«Py»P§-2 $\mu$ 0.5-2.0 $\mu$ fracture/vein controlled pyrite	Blocky, highly fractured core from: 42.19 - 46.00 49.65 - 55.46. RQD 20%

HOLE NUMBER: AB95-02

DRILL HOLE RECORD

LOGGED BY: G. Potts

DRILL HOLE RECORD

HOLE NUMBER: AB95-02

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
55.46 TO 59.41	e5, e3, b, Bu1 Interbedded sediment & possible siliceous tuff	<p>§80.07-80.88§-IPAI mm-grite. Fault Chloritic grit @ 35° to the core axis.</p> <p>§85.33-85.39§-IPAI mm-grite. Fault Centred on a mm-scale rusty, chloritic grit @ 30° to the core axis.</p> <p>Light grey, magnetic (pyrrhotite) fine grained altered rock hosting stringer and 'bedded' sulphide mineralisation. Sharp upper contact at 30° to the core axis. Overall, fine siliceous rock with patches of possible "ghost-like" lepidolite-mixed fragments that have been drawn into the fabric (85.67-85.69 &amp; 88.31-89.06m). Sharp lower contact at a garnet-rimmed quartz vein @ 45°</p>	40°	<p>Overall strong alteration as silicification.</p> <p>§55.46-59.41§-S1-S2, &lt;B&gt;PW, &lt;Ch&gt;PW strong, pervasive, silicification / weak, fracture/vein controlled chloritisation and sericitisation</p>	<p>Overall 30% sulphides (80% pyrrhotite and 20% pyrite) as mm-cm-scale stringer-type generally along the fabric. The upper contact is at a 20 cm wide sediment section with two 2cm-wide massive bedded pyrrhotite bands.</p> <p>§85.46-85.66§-Po-B10-60% 30.0-40.0% bedded/banded pyrrhotite</p> <p>§88.46-89.41§-Po-B15-20%, &lt;Py&gt;P3-5% 15.0-20.0% banded pyrrhotite / 3.0-5.0% fracture/vein controlled Pyrite</p>	<p>ROD 85t Overall appearance of a silicified sediment, however, the presence of fragments suggests a possible tuff component. Wholerock AR03317</p>
59.41 TO 71.20	e5, a, <ABD> Argillite	<p>Grey-black, weakly magnetic (patchy pyrrhotite), fine argillaceous sediment. Well laminated with thin mm-scale bands. Fine moderately biotitic, amphibolitic rock which becomes more massive down section and is associated with the formation of cm-scale bands of 1-5mm diameter weakly elongate masses of a white mineral. Has the same appearance as the garnets noted up section but may be sillimanite.</p>	40°	<p>Weak carbonatation as patches of hairline calcite stringers along the fabric.</p>	<p>1% fine pyrite and pyrrhotite as disseminations and fine fracture filling along the foliation.</p> <p>§59.41-59.54§-Py-F1-3% 1.0-3.0% fracture/vein controlled pyrite</p> <p>§60.53-60.59§-Po-B25-30%, &lt;Py&gt;F10-15% 25.0-30.0% bedded/banded pyrrhotite, 10.0-15.0% fracture/vein controlled pyrite</p>	<p>ROD 95t Good sediment</p>
71.20 TO 75.73	e3, p, Bu1 andesitic pillow flow with sulphide - rich rim.	<p>Grey to grey green, moderately magnetic fine grained flow with distinct chloritic-sulphidic pillow selvages which locally incorporate a component of sediment. Weakly to moderately amphibolitic as mm-scale needles in the fine groundmass. Insistent lower contact placed where the sediment component increases. Low angle (15°) to the core axis for the selvage material.</p>	15°	<p>Highly chloritic pillow selvages, weak pervasive chloritisation of the pillow centres.</p> <p>§71.20-75.73§-S1-PW moderate, pervasive, silicification</p>	<p>1-3% fine disseminated Pyrite-pyrrhotite throughout with concentrations along selvages.</p> <p>§71.26-71.39§-Py-F10-20% 10.0-20.0% fracture/vein controlled Pyrite</p> <p>§72.82-73.39§-Py-F10-20%, &lt;Po&gt;P5-10% 10.0-20.0% fracture/vein controlled</p>	<p>ROD 95t Distinct pillow flow. Wholerock AR03316</p>

HOLE NUMBER: AB95-02

DRILL HOLE RECORD

LOGGED BY: G. Potte

DRILL HOLE RECORD

HOLE NUMBER: AB95-02

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
75.73 TO 81.63	s.s., s.g., < sfs> Sedimentary fine grained chert thinly laminated sulphide IF	Thinly laminated, grey, fine grained, locally cherty, moderately magnetic sediment. Highly contorted cherty bands however a possible tops determination is down-hole from sediment contacts with the volcanics. A probable volcanic component exists. Thin, dark black chert bands make up 10-20% of interval. Sharp lower contact at 48° to the core axis.	48°	77.21-77.38m Grey quartz vein @ 45°. Weak pervasive silicification throughout.	Pyrite / 8.0-10.0% fracture/vein controlled pyrrhotite #75.27-75.57#<Py>P10-20# 10.0-20.0% fracture/vein controlled Pyrite Sulphides occur as mm-cm scale bands along the fabric and as fine disseminations throughout. #75.73-80.60#<Po>B10-20#<Py>P5-10# 10.0-20.0% bedded/banded pyrrhotite/ 5.0-10.0% pyritic fracture filling #80.60-81.08#<Po>M30-40#<Py>B10-20# 30.0-40.0% massive pyrrhotite / 10.0-20.0% banded Pyrite #81.08-81.63#<Po>D1-2#<Py>D1-2# 1.0-2.0% disseminated pyrite - pyrrhotite	ROD 88# Well contorted cherty sediment.
81.63 TO 98.26	s.p., s.l., (j) Intermediat e volcanic amygdaloida l/vesicular pillowed	Greenish grey, fine grained, moderately magnetic (patchy) flow with distinct mm-scale blue-grey quartz amygdules and indistinct bleached, silicified, biotitic (<mm-scale>), pyritic pillow selvages. 10-30% fine mm-scale amphiboles, 10% very fine micaceous minerals in a fine siliceous groundmass. Gradational lower contact (placed at a fault zone) as sulphides, possible selvages and amygdules decrease. Moderately foliated at 43° to the core axis. #84.78-85.82#<P>I(rusty grit) Fault Blocky, highly fractured core some centred on a rusty grit area. Angle indistinct, however fabric @ 40-60° to the core axis.	43°	Moderate silicification appears associated with the selvages. Common (1) mm-scale quartz stringers noted at various orientations. Weak chloritization of the amphiboles #82.25-101.05#<BlPS>S1PS strong, pervasive, bleaching; strong, pervasive, silicification	1-3% fine disseminated and stringer-type sulphides along the foliation throughout with local concentrations associated with possible pillow selvages and fault zones. #82.16-82.86#<Po>D5-10#<Py>P10-15# 5.0-10.0% disseminated/blebby pyrrhotite / 10.0-15.0% fracture/vein controlled Pyrite #83.00-86.27#<Py>D5-10#<Py>B5-10# 5.0-10.0% disseminated/blebby Pyrite/ 5.0-10.0% bedded/banded pyrrhotite #88.20-89.20#<Py>F10-15#<Po>D1-5# 10.0-15.0% fracture/vein controlled Pyrite/ 1.0-5.0% disseminated/blebby pyrrhotite. Associated with a strong pervasive silicification. #93.36-93.46#<Po>P10-15#	ROD 98# Wholerock AR03119

HOLE NUMBER: AB95-02

DRILL HOLE RECORD

LOGGED BY: G. Potte

DATE: 06/23/1995

DRILL HOLE RECORD

HOLE NUMBER: AB95-02

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
98.26 TO 101.75	e3, e4, g, a, (j), Siliceous volcanic fine grained quartz phyric	Grey, fine grained, weakly magnetic, thinly laminated siliceous tuff with minor blue-grey, glassy, mm-scale quartz eyes. Up to 15% mm-scale amphiboles, 1st brownish biotite. Lower contact in a fault zone. 10cm chlorite-rich grit at 60° to the core axis associated with a pyrite-rich zone.	45°	Moderate pervasive silicification associated with 3-10% mm-scale grey quartz stringers generally along the fabric.	10.0-18.0% fracture/vein controlled Pyrrhotite Two sulphide-rich zones with interstitial material hosting 3-5% fine disseminated pyrrhotite ± pyrite. §98.73-99.99§<Py>F40-45, <Po>D1-5% 40.0-45.0% fracture/vein controlled Pyrite / 1.0-5.0% disseminated/blebby Pyrrhotite §100.91-101.22§<Py>F50-55% 50.0-55.0% fracture/vein controlled Pyrite	RQD 95% Well laminated, suggests a sediment/tuff. Standard KRAP taken for whole rock (AR03329). Wholerock AR03320
101.75 TO 132.28	e5, a, m, g, (j) <DAC> Intermediate & intrusive fine grained massive quartz phyric dacite	Light green-grey, non-magnetic fine grained massive unit that locally hosts rare mm-scale subrounded white quartz grains. Upper 3m and lower 2m hosts more fine biotite (up to 15%) than the remainder of the unit and may represent a chilled margin to the intrusive? Overall, the unit hosts 10-20% mm-scale amphiboles, 5% very fine biotite in a fine siliceous groundmass. Has a well "banded" appearance	45°	Well banded throughout ( up to 30% of the rock) 1-10cm wide bleached white (locally pink - hematite)siliceous bands hosting a slightly higher component of amphiboles than the interstitial material. Common cm-scale milky white, cm-scale quartz stringers. 105.46-105.80m Grey quartz vein at 45° to the core axis. Hosts 0.5% pyrite on fractures and vein margins. 106.45-106.45 Quarts vein as above. 107.10-107.30 Quarts vein as above.	Mil sulphides	RQD 95% Overall similar appearance to the andesites above, however, a much more massive texture. Wholerock AR03321.
132.28 TO 133.14	e5, e, <SiP> Sedimentary chert sulphide IP	Grey, highly magnetic, thinly laminated chert with a sharp upper contact and a sharp lower contact with a wacke-type sediment. Locally highly contorted subparallel to the core axis, however tops is possibly up-hole (graded bedding and flame-type structures).	60°	§132.28-133.14§<Po>S10-20%, <Po>F10-20% 10.0-20.0% bedded/banded pyrrhotite / 10.0-20.0% fracture/vein controlled Pyrrhotite	Pyrrhotite generally is banded however locally appears to have mobilised as stringers. Fine sulphide masses.	RQD 95%. Conductive iron formation.
133.14 TO 138.36	e5, a, f, s Sedimentary fine grained wacke	Light brown-grey, non-magnetic. Garnetiferous and sulphidic over the upper 15cm as mm-scale rounded pink garnets. Thinly laminated (mm-cm scale) grades to a more massive section below 134.30m that grades to the lower contact placed at a 1cm-wide pyrite stringer.	60°	Common (1-5%) cm-scale quartz stringers along the fabric. §133.14-133.27§<Ch>P5- strong, pervasive, chloritisation	Overall, trace pyrite/pyrrhotite. §133.14-133.27§<Py>D5-10% 5.0-10.0% disseminated/blebby pyrite	Lower contact relatively indistinct however the unit below is distinctly different.

HOLE NUMBER: AB95-02

DRILL HOLE RECORD

LOGGED BY: G. Potte

DATE: 08/23/1995

DRILL HOLE RECORD

HOLE NUMBER: A895-02

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLES TO CA	ALTERATION	MINERALIZATION	REMARKS
135.36 TO 148.13	6, a.d.m. (j) , <DNC> intermediate intrusive fine quartz- feldspar phyric massive dacite	Dark grey, fine grained, non-magnetic rather massive looking rock with a moderate foliation throughout at 50° to the core axis. Overall, 10-15µ amphibole, 5µ biotite, 1-3µ mm-scale yellow-white rounded feldspar grains, 1-3µ rounded mm-scale blue-grey glassy quartz grains in a fine siliceous groundmass. Becoming more banded and biotitic below 146m.	50°	Banded as described above at 101.79m. 146.38-148.13µ <DNC> moderate, pervasive, silicification; strong, pervasive, bleaching	Nil sulphides	RQD 100% Similar to 101.79 to 132.28m however, more quartz-feldspar porphyritic. Wholerock AR03322.
148.13 TO 148.13	<BCH> End-of-Hole					

LOGGED BY: G. Potts

DRILL HOLE RECORD

HOLE NUMBER: A895-02



ASSAYS SHEET

HOLE NUMBER: AB95-02

Sample	From (M)	To (M)	Leqg. (M)	Cu Ppm	Zn Ppm	Au ppb	Ag ppm	Pb ppm	Co ppm	Cu/Zn ppm	NI ppm
AR02880	33.62	34.12	0.50	81	83	0	0.2	3			417
AR02881	41.69	42.19	0.50	79	113	0	0.5	2			207
AR02882	42.19	43.69	1.50	49	139	0	0.2	1			47
AR02883	43.69	45.19	1.50	35	87	0	0.3	1			30
AR02884	45.19	46.99	1.80	40	81	0	0.1	1			36
AR02885	55.46	56.96	1.50	49	137	3	0.6	1			182
AR02886	56.96	58.36	1.40	19	365	3	0.1	1			50
AR02887	58.36	59.46	1.10	37	63	7	0.3	1			110
AR02888	59.46	60.96	1.50	36	82	0	0.2	5			69
AR02889	64.40	65.90	1.50	32	61	0	0.3	5			47
AR02890	70.20	71.20	1.00	58	114	0	0.2	2			77
AR02891	71.20	71.50	0.30	122	35	0	0.3	1			471
AR02892	72.63	73.63	1.00	35	70	0	0.1	2			137
AR02893	73.63	75.13	1.50	20	68	0	0.1	1			38
AR02894	75.13	75.73	0.60	36	82	0	0.3	4			121
AR02895	75.73	77.23	1.50	33	84	0	0.2	1			114
AR02896	77.23	78.73	1.50	30	86	0	0.2	1			100
AR02897	78.73	80.23	1.50	53	100	0	0.2	1			149
AR02898	80.23	81.63	1.40	51	92	3	0.1	1			132
AR02899	81.63	82.93	1.30	38	74	0	0.1	1			56
AR02900	82.93	84.43	1.50	45	37	3	0.2	2			202
AR02901	84.43	86.13	1.70	47	41	3	0.3	1			207
AR02902	88.20	89.20	1.00	45	38	0	0.1	1			220
AR02903	93.12	93.52	0.40	45	33	0	0.2	1			286
AR02904	98.70	99.70	1.00	31	57	0	0.2	1			67
AR02905	100.54	101.24	0.70	54	51	3	0.4	7			119
AR02906	101.24	101.74	0.50	26	89	7	0.1	1			79
AR02907	105.46	106.96	1.50	62	38	3	0.1	1			68
AR02908	132.28	133.28	1.00	102	43	3	0.3	1			210

ASSAYS SHEET

HOLE NUMBER: AB95-02

DATE: 23/08/1995

GEOCHEMICAL ASSAY

HOLE NUMBER : AB95-02

Sample	From (M)	To (M)	Logg. (M)	SI02	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	TIO2	P2O5	MNO	CR2O3	LOI	SUM	Y	ZR	BA	PB	SR	CO2	CU	ZN	NI	CR	FIELD	CHEM	ALOH
AR03315	14.02	17.02	3.00	59.52	15.73	5.90	5.04	4.26	0.34	7.08	0.68	0.10	0.14	0.05	1.87	100.35	18	100					60	60	210		3.P	3J	150
AR03316	29.00	32.00	3.00	56.12	17.31	5.91	3.79	3.97	1.24	8.86	0.76	0.16	0.26	0.06	1.94	100.33	18	108					15	60	130		5.B1.AMS9		156
AR03317	56.00	58.00	2.00	63.43	15.63	1.83	3.15	3.46	2.34	6.05	0.53	0.16	0.07	0.05	3.33	99.99	14	112					5	100	35		5.4.B.88		205
AR03318	71.50	72.63	1.13	48.46	10.19	11.66	12.94	0.65	1.46	8.82	1.11	0.92	0.21	0.12	4.13	100.65	20	248					20	80	125		3.P.81.1M8		73
AR03319	90.22	93.22	3.00	54.78	16.08	6.36	4.57	3.59	0.52	8.48	0.81	0.26	0.13	0.05	2.06	97.59	32	148					40	65	115		3.6.P.3M8		154
AR03320	99.70	100.54	0.84	62.02	15.42	2.94	2.76	2.67	2.54	6.85	0.58	0.16	0.19	0.06	3.94	100.05	22	126					10	100	35		6.2.G.5J9		189
AR03321	108.51	111.51	3.00	62.25	16.11	6.20	3.33	3.74	1.06	6.44	0.58	0.16	0.10	0.04	1.00	100.96	22	142					35	80	100		6.2.G.5J9		146
AR03322	142.04	145.04	3.00	59.77	16.45	6.68	3.45	3.49	0.76	7.33	0.76	0.10	0.11	0.04	1.31	100.09	20	112					60	55	115		6.2.G.5J9		151



DATE: 23/08/1995

GEOCHEMICAL ASSAYS

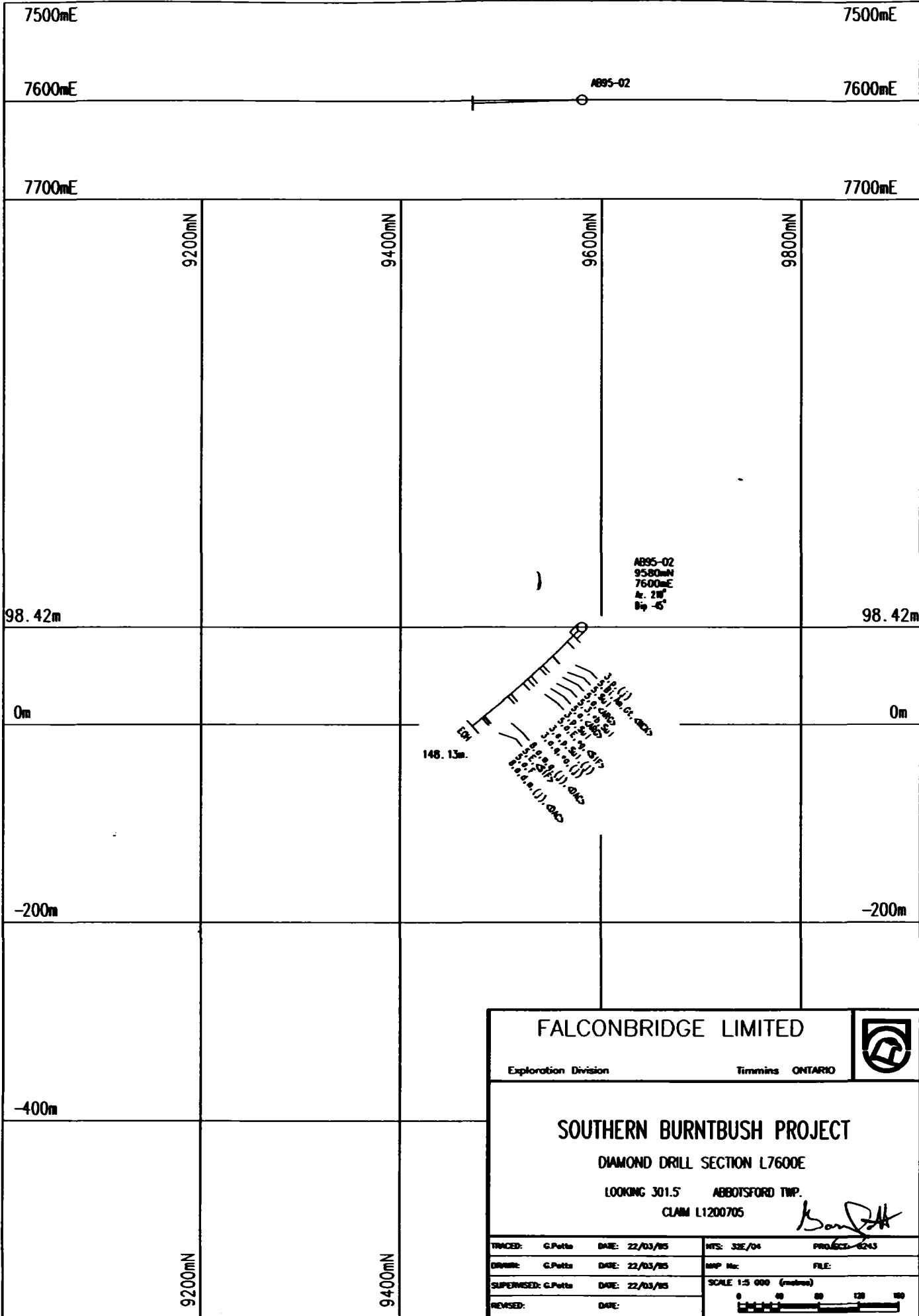
HOLE NUMBER : AB95-02

Sample	From (N)	To (N)	Lehg. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SR PPM	CD PPM	SB PPM	SI PPM	SE PPM	KF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	S PPM	CS PPM	LA PPM	CS PPM	RD PPM	SM PPM	SU PPM	CO PPM					
AR03315	14.02	17.02	3.00			35		<100																										
AR03316	29.00	32.00	3.00			25		11100																										
AR03317	56.00	59.00	2.00			5		20500																										
AR03318	71.80	72.63	1.13			25		20000																										
AR03319	90.22	93.22	3.00			30		8400																										
AR03320	99.70	100.54	0.84			10		18300																										
AR03321	108.51	111.51	3.00			20		700																										
AR03322	142.04	145.04	3.00			25		<100																										

GEOCHEMICAL ASSAYS

HOLE NUMBER : AB95-02

PAGE: 9



**FALCONBRIDGE LIMITED**

Exploration Division Timmins ONTARIO



**SOUTHERN BURNTBUSH PROJECT**

DIAMOND DRILL SECTION L7600E

LOOKING 301.5° ABBOTSFORD TWP.  
CLAIM L1200705

*Sanjiv*

TRACED: C.Petta	DATE: 22/03/05	MTS: 32E/04	PROJECT: 6243
DRAWN: C.Petta	DATE: 22/03/05	MAP No:	FILE:
SUPERSEDED: C.Petta	DATE: 22/03/05	SCALE 1:5 000 (metres)	
REVISED:	DATE:		

FALCONBRIDGE LIMITED  
 DRILL HOLE RECORD

HOLE NUMBER: AB95-03      DATE: 08/23/1995      IMPERIAL UNITS: X  
 METRIC UNITS: X

PROJECT NAME: 8243      COLLAR SURVEY: NO      CONTRACTOR: DOMINIK  
 PROJECT NUMBER: 8243      ROD LOG: YES      CASING: BM  
 CLAIM NUMBER: 1200692      HOLE MAKES WATER: NO      CORE STORAGE: Normal Field Office  
 LOCATION: Abbotsford Township      COLLAR ASTROMOMIC AZIMUTH: 211°30' 0"      UTM COORD.: 587215.558, 544269.731

ALTERNATE COORDS      GRID: Main Grid      COLLAR DIP: -45° 0' 0"  
 NORTH: 98+ 08      LENGTH OF THE HOLE: 251.76M  
 EAST: 96+ 08      START DEPTH: 0.00M  
 ELEV: 98.42      FINAL DEPTH: 251.76M

PLOTTING COORDS      GRID: UTM'S      GRID ASTROMOMIC AZIMUTH: 211°30' 0"  
 NORTH: 544269.731M      PULSE EM SURVEY: NO  
 EAST: 587215.558      PLOGGED: NO  
 ELEV: 98.42      HOLE SIZE: 80

DATE STARTED: 02/26/1995      COLLAR SURVEY: NO      PLOGGED: NO  
 DATE COMPLETED: 03/01/1995      ROD LOG: YES      HOLE SIZE: 80  
 DATE LOGGED: 03/05/1995      HOLE MAKES WATER: NO

COMMENTS : Targets two HLBH conductors in interpreted intermediate to felsic volcanic stratigraphy.  
 WEISS AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
16.00	0° 0' 0" -48° 0' 0"		A	OK							
74.38	0° 0' 0" -42° 0' 0"		A	OK							
138.94	0° 0' 0" -40° 0' 0"		A	OK							
182.88	0° 0' 0" -38° 0' 0"		A	OK							
245.67	0° 0' 0" -38°30' 0"		A	OK							

DRILL HOLE RECORD

HOLE NUMBER: AB95-03

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 15.24	<J>Casing Overburden					
15.24 TO 40.07	<S.A.>Sedimentary fine grained mudstone - argillite	Interbedded dark and light grey, fine, weakly magnetic (patchy) sediments. Main fabric @ 45° to the core axis is highly contorted displaying tight folds with hinges subparallel to the core axis and interference folds/soft sediment deformation. Graded beds suggest tops down-hole @ 27.2m	43°	Patchy weak pervasive calcitic carbonatization.	Trace to 1% fine disseminated and stringer-type pyrite & pyrrhotite along the fabric generally associated with the more argillaceous bands. §28.82-33.42§<Py>§1-5% 3.0-5.0% bedded/banded pyrite	RQD 70% 70% argillite, 30% more wacke-type beds.
40.07 TO 41.77	<S.A.>Sedimentary fine grained wacke sulphide IF	§26.70-26.78§<FAL>graphitic - Fault cm-scale graphitic grit at 35° to the CH. Down to 41.42m, a highly magnetic, brownish grey brecciated wacke (probable soft sediment) with cm-scale subrounded fragments in a pyrrhotite-rich matrix. Argillite down to 40.77m at a massive pyrrhotite section hosting quartz eyes and argillite fragments at 45° to the core axis. Wacke/argillite contact displays tight folding.	45°	§40.07-41.42§<Ch>§8% strong, pervasive, calcitic carbonatization; moderate, spotty, silicification	Two zones of strong pyrrhotite mineralisation conformable to §1. §40.07-41.42§<Po>§20-30%, <Py>§1-1% 20.0-30.0% bedded/banded pyrrhotite/ 0.5-1.0% disseminated/blebby pyrite §41.67-41.77§<Po>§75-85% 75.0-85.0% massive pyrrhotite	RQD 90% Good conductor.
41.77 TO 62.09	<S.A.>Sedimentary fine grained thinly laminated mudstone - argillite	Light grey, thinly laminated, generally non-magnetic (patchy pyrrhotite) fine grained sediment that appears argillaceous to arkosic. Rare, more pelitic beds (?) occur as cm-scale garnet-amphibole bands.	45°	Moderately micaceous (muscovite). Patchy weak pervasive silicification. §57.84-62.09§<Si>§PM, <Ch>§PM, <Am>§PM moderate, fracture/vein controlled, silicification; moderate, pervasive, amphibole-garnet on the vein margins	§60.05-61.05§<Po>§1-2% 1% blebby pyrrhotite masses	RQD 100%
62.09 TO 93.88	<S.A.>Sedimentary fine grained massive wacke	Brownish-grey, generally non-magnetic, fine grained massive rather amorphous sediment with a gradational contact to the overlying argillite. Common patches of sediment rich in mm-scale amphiboles and pinkish white rounded garnets @ 62.09-67.70, 72.59-72.86 and 80.77-87.27m. Main sediment is biotite rich.	45°	Common mm-scale grey-white quartz stringers generally along the fabric. Weak pervasive chloritization along foliation planes. §77.22-81.08§<Si>§PM moderate, fracture/vein controlled, silicification as irregular hairline fracture filling and associated with a weak carbonatization.	Overall, trace sulphides §86.44-87.03§<Po>§1-5%, Mag§1-2% 3.0-5.0% disseminated/blebby pyrrhotite; 1.0-2.0 bedded/banded magnetite §87.03-87.07§<Po>§70-80% 70.0-80.0% massive pyrrhotite	RQD 95% Distinguishable sediment.

HOLE NUMBER: AB95-03

DRILL HOLE RECORD

LOGGED BY: G.Potts

DATE: 08/23/1998

DRILL HOLE RECORD

HOLE NUMBER: AB95-03

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
93.88 TO 94.01	QC Quartz Vein	Milky white quartz vein @ 60° to the core axis	60°	Adjacent sediment has a weak pervasive silicification.	Trace fine pyrite on vein margin and on rare fractures within the quartz.	
94.01 TO 95.71	S, S, G, SI F Sedimentary fine grained thinly laminated sulphide IP	Brownish grey, highly magnetic sediment with a strong overall fabric at 45° that is contorted to subparallel to the core axis locally.	45°	§95.08-95.71§-Cb-P8 strong, fracture/vein controlled, calcitic carbonatization as stringers along the foliation.	Pyrrhotite occurs as fine disseminations and masses along the fabric while the Pyrite occurs as cross-cutting stringers. §94.01-95.71§-Po-D10-154, <Py-F1-1b> 10.0-15.0% disseminated/blebby Pyrrhotite, 0.5-1.0% fracture/vein controlled pyrite	Rather sharp lower contact to the massive pyrrhotite.
95.71 TO 96.41	S, S, M, Po Sulphide (-40%) massive pyrrhotite	Dirty, very fine grained massive pyrrhotite with 30% inclusions of subrounded mm-cm scale quartz grains, siliceous and calcitic fragments.	60°	§95.71-96.41§-Cb-P8 strong, fracture/vein controlled, calcitic carbonatization	Massive section gives way to a stringer net textured sulphide (20-30%) below 96.14m.	
96.41 TO 99.95	S, S, F Sedimentary fine grained wacke	Brownish grey, weakly magnetic (patchy pyrrhotite) sediment that is thinly laminated near the iron formation contact and becomes coarser overall down section. Indistinct lower contact placed at a zone of rather thin laminations. Overall, 20-30% biotite generally concentrated in cm-scale brownish bands, 5-10% sub-mm amphiboles in a fine siliceous matrix.	45°	Common (1-1%) mm-scale calcite stringers along the foliation throughout. §96.41-96.79§-Cb-P8 strong, fracture/vein controlled, calcitic carbonatization	Trace pyrrhotite disseminations. §96.41-96.79§-Po-D1-3b, 1.0-3.0% disseminated/blebby pyrrhotite	ROD 100% Distinct sediment, below this, the unit may be a metamorphosed volcanic.
99.95 TO 120.53	S, S, M Sedimentary fine grained massive unit	Light green-grey, non-mag netic weakly banded rock with a weak to locally moderate foliation throughout at 45° to the CA. Rather massive appearance, but cm-scale bands with higher biotite or amphibole concentrations are common. Overall, 20-30% mm-scale amphiboles, 10-20% fine biotite in a fine siliceous matrix. 116.70-117.20 Common (8-10%) mm-scale rounded pinkish white mineral grains (possible garnet).	45°	<Cb> strong (3-5%) mm-scale calcite stringers along the fabric. 101.39-101.69 <S1-P8> strong, fracture/vein controlled, silicification as a milky white quartz vein at 55° to the core axis.	Nil sulphides	Unclear as to whether unit is a thickly bedded wacke sediment or a metamorphosed intermediate volcanic as down section. Wholesack AR03223
120.53 TO 122.21	S, S, E, (J) Intermediate Volcanic fine grained amygdaloid	Grey-green, non-magnetic fine grained volcanic with scattered mm-scale rounded quartz amygdaloids. Patchy weak foliation at 45° to the core axis. Possible selvage (?) material as patchy cm-scale bands richer in biotite and amphibole.		Common mm-scale hairline, irregular quartz fracture filling at various orientations produces a weak pervasive silicification in areas of increased stringers. Overall, 20% mm-scale amphiboles, 10-15% fine biotite in a	Nil sulphides.	ROD 95% Wholesack AR03224

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HOLE NUMBER: AB95-03

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DRILL HOLE RECORD

HOLE NUMBER: AB95-03

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	1/vesicular					
132.21 TO 133.93	5.4.8.0 Sedimentary fine grained chert	Grey, very fine grained, thinly laminated, non-magnetic wacke-type sediment with common dark to brown high cherty bands (20%). Main fabric is weakly contorted with foliation at 40-50° to the core axis.	45°	fine siliceous groundmass. §132.21-133.93§<S1>PM, §S1>PM moderate, fracture/vein controlled, and associated pervasive silicification	Mil sulphides.	
133.93 TO 135.31	5.4.8.0 Sulphide massive sulphide	Dirty very fine grained massive pyrrhotite with roughly 30% inclusions of quartz grains and felsic fragments as described above at 95.72m. Sharp upper contact at 80° to the core axis and a gradational lower contact as fracture controlled sulphide decreases.	50°	§133.93-134.80§<C>S>PM moderate, fracture/vein controlled, calcitic carbonatation, as hairline fractures throughout the massive sulphide. §134.80-135.31§<S1>PM moderate, fracture/vein controlled, silica flooding.	Very fine grained massive pyrrhotite with minor fine pyrite grains within. §133.93-134.80§<P>MS-70§, §Py>P2-3§<S1>PM massive pyrrhotite, 1.0-3.0% Pyrite fracture filling §134.80-135.31§<P>F10-20§, §Py>P2-3§<S1>PM fracture/vein controlled pyrrhotite, 1.0-3.0% fracture/vein controlled pyrite	ROD 100%. Tops indicated up-hole due to contact relationships.
135.31 TO 213.60	3.4.0.P. (3) Intermediate volcanic fine grained amygdaloid pillowed	Grey-green, fine grained, non-magnetic flow with scattered mm-scale rounded quartz amygdules and possible selvages. Selvages occur as common 1-40cm wide, bleached greenish-white silicified zones generally hosting up to 20% mm-scale tabular amphiboles. Bleached zones fade into the pillow centre. Centres are generally composed of up to 5% biotite in a very fine intermediate-looking groundmass. A weak to moderate (patchy) foliation occurs throughout at 45° to the core axis.	45°	Moderate pervasive silicification of the selvages throughout. Probable weak epidotisation associated with the silicification producing the greenish colour. Overall increase in the amount of silicification, epidotisation and hematization out from the concentrated selvages from 174-187m where the epidote-hematite alteration cuts the fabric. §150.00-150.24§<C>S>PM strong, fracture/vein controlled, silicification §155.38-155.93§<S1>PM, §PM, §PM strong, pervasive, bleaching; hematization; weak, fracture/vein controlled, epidote §161.88-162.09§<S1>PM strong, fracture/vein controlled, silicification	Mil sulphides in general. The sulphides at the lower contact may represent sulphidic selvages and therefore possible tops uphole. §135.31-135.63§<P>F1-1§<S1>PM 0.5-1.0% fracture/vein controlled pyrrhotite associated with the gradational contact to the massive sulphide section. §211.00-213.40§<P>F3-5§<S1>PM fracture/vein controlled Pyrrhotite as 1-10mm diameter bands of massive pyrrhotite along the foliation at 45-50° to the core axis and generally associated with quartz-calcite stringers. Bands at 211.00-211.27, 212.38, 212.69, 212.98-213.11, 213.26, 213.46, 213.56m.	ROD 100%. Distinct amygdular volcanic, selvage material may be questionable. Wholerock AM03325 Wholerock AM03326 Wholerock AM03327

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DRILL HOLE RECORD

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
213.60 TO 215.10	«S,e,F,«ANG »» Sedimentary fine grained wacke mudstone-ar gillite	Interbedded argillaceous to wacke-type fine grained, moderately magnetic sediment. Sharp upper contact with the volcanic at 55° to the core axis. Lower contact is more indistinct in a highly foliated, calcitic zone. Wacke is composed of roughly 20% fine black biotite in a very fine siliceous matrix.	45°	§174.00-187.00§«Sp»PM, «Si»PS, K»PH» moderate, pervasive, epidote ; strong, pervasive, silicification ; moderate, fracture/vein controlled, hematization §202.20-206.56§««Si»PS» strong, pervasive, silicification §215.01-215.10§«Ch»PS» strong, fracture/vein controlled, calcitic carbonatization as hairline fracture filling within the pyrrhotite and as stringers associated with the mineralization.	Overall, roughly 5-8% pyrrhotite noted throughout as fine disseminations and bands along the fabric. §213.60-214.40§«Po»S10-15% 10.0-15.0% bedded/banded pyrrhotite §214.40-215.01§«Po»D1-1% 0.5-1.0% disseminated/blabby pyrrhotite §215.01-215.10§«Po»S35-40% 35.0-40.0% bedded/banded pyrrhotite	Distinct interflow sediment.
215.10 TO 237.00	«J,e,(j)» Intermediate volcanic amygdaloida l/vesicular	Green, fine to medium grained, non-magnetic volcanic with distinguishable lenticular (along foliation) quartz-calcite amygdules. In general, 5% fine biotite in a mafic-rich groundmass however, common garnet-amphibole-rich sections as described in the unit above. Up to 20% 1-30mm diameter subrounded pink garnet masses in a groundmass of mm-scale amphiboles and generally associated with minor pyrrhotite. The garnets are overall associated with quartz-calcite veining. 215.10-219.15m Garnetiferous 221.55-222.4m Garnetiferous. 224.50-232.35m Garnetiferous.	90°	The garnet masses are highly calcitic due to hairline fracture filling. Common (3%) irregular quartz-calcite masses (locally tourmaline-rich 221.60m) throughout. §212.00-236.35§««Ch»PS» weak, pervasive, chloritization	Trace to 1% disseminated to fracture filling pyrrhotite associated with the garnet zones. §215.10-215.49§«Po»S10-15%, «Po»D10-15% 10.0-15.0% bedded/banded pyrrhotite/ 10.0-15.0% disseminated/blebby pyrrhotite near the upper contact with the pyrrhotite-rich sediment. §216.51-216.56§«Po»F50-60%, «Py»F1-1% 50.0-60.0% fracture/vein controlled pyrrhotite; 0.5-1.0% fracture/vein controlled pyrite §228.17-228.50§«Po»F10-20%, «Py»F1-2% 10.0-20.0% fracture/vein controlled pyrrhotite; 1.0-2.0% fracture/vein controlled pyrite in a calcitic, garnet rich section. Hosts a 2cm wide band of massive pyrrhotite at 55° to the core axis.	RQD 95%. Basically as described above at 135.31m. Wholerock ARO3330

HOLE NUMBER: AB95-03

DRILL HOLE RECORD

LOGGED BY: G. Potts

DATE: 08/23/1995

DRILL HOLE RECORD

HOLE NUMBER: A895-03

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
237.00 TO 242.12	e3, a, b, c Intermediate e Volcanic fine grained breccia	Grey-green, non-magnetic fine andesitic rock with a weak "ghost-like" breccia texture with rounded cm-scale mafic fragments in a moderately chloritic pervasive groundmass. Indistinct upper and lower contacts.	50°	eCh weak to moderate pervasive chloritisation of the groundmass. It quartz-calcite stringers.	Mil sulphides.	Probable flow breccia.
242.12 TO 251.76	e1, b, Am, B1 , Qt, «AMD» Schist medium grained amphibolite biotite garnet	Brown-grey to green-grey, medium grained, non-magnetic rock. Overall, up to 20% biotite commonly concentrated into mm-cm-scale bands, 10-20% mm-scale amphiboles and up to 10% 1-3mm diameter rounded pink garnets in a fine grained intermediate groundmass. Possible stretched siliceous fragments are noted throughout as cm-scale lensoidal fragments along the fabric in a biotitic matrix.	50°	Silicified as common milky white quartz veins, the largest of which occur from 247.38 to 247.47 and 248.31 to 249.06m. Soft matrix to the fragmental sections appears due to increased biotite.	Mil sulphides	Wholerock A80331
251.76 TO 251.76	eBOH» End-Of-Hole					

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DRILL HOLE RECORD

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DATE: 23/08/1995

ASSAYS SHEET

HOLE NUMBER: AB95-03

Sample	From (M)	To (M)	Lang. (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Co ppm	Cu/Zn ppm	Ni ppm
AR02909	28.82	30.32	1.50	69	349	0	0.2	13			87
AR02910	30.32	31.82	1.50	57	285	3	0.1	9			60
AR02911	31.82	33.42	1.60	41	111	0	0.2	7			46
AR02913	38.57	40.07	1.50	60	381	0	0.1	6			77
AR02914	40.07	41.77	1.70	84	185	0	0.2	3			168
AR02912	40.05	41.05	1.00	37	51	14	0.1	1			49
AR02915	73.33	73.63	0.30	51	48	0	0.1	1			77
AR02916	86.27	87.07	0.80	32	41	0	0.1	1			34
AR02917	87.07	88.07	1.00	42	105	0	0.1	2			52
AR02918	93.61	94.81	1.20	21	29	0	0.1	1			47
AR02919	94.61	95.71	0.90	43	68	10	0.1	6			102
AR02920	95.71	96.41	0.70	72	91	10	0.3	3			209
AR02921	96.41	97.01	0.60	38	55	3	0.1	1			105
AR02922	133.93	134.83	0.90	133	24	3	1.1	1			107
AR02923	134.83	135.63	0.80	34	55	3	0.1	1			58
AR02924	211.00	211.30	0.30	84	56	0	0.1	1			270
AR02925	212.20	213.60	1.40	61	33	0	0.1	1			300
AR02926	213.60	215.10	1.50	93	85	7	0.1	1			188
AR02927	215.10	215.90	0.40	55	32	7	0.1	1			143
AR02928	215.90	216.70	1.20	32	26	3	0.1	1			74
AR02929	227.17	228.17	1.00	45	19	7	0.1	1			62

ASSAYS SHEET

HOLE NUMBER: AB95-03

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GEOCHEMICAL ASSAY

HOLE NUMBER : AB95-03

Sample	From (M)	To (M)	Leqg. (M)	SiO2	Al2O3	CaO	MgO	MnO	K2O	Fe2O3	TiO2	P2O5	MnO	Cr2O3	LOI	SUM	Y	Zr	Ba	Rb	Br	CO2	Cu	Zn	Ni	Cr	Field Chk	ALUM	
				↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	ID	
AR0323	109.40	111.40	3.00	59.19	18.79	7.26	4.53	3.56	0.58	6.63	0.81	0.24	0.17	0.08	1.42	100.17	24	134					80	60	330		5.3.A.M5	139	
AR0324	123.75	126.75	3.00	57.98	15.16	7.42	3.68	3.46	0.28	7.11	0.89	0.26	0.14	0.08	1.19	97.56	26	144					30	75	75		3.6	136	
AR0325	139.00	142.00	3.00	61.00	15.70	5.57	3.80	3.70	0.88	6.37	0.59	0.14	0.09	0.04	1.04	100.49	20	126					20	60	75		3.A.e.P3J	135	
AR0326	174.00	177.00	3.00	60.55	16.28	5.52	3.80	4.11	1.06	6.57	0.60	0.16	0.10	0.04	1.52	99.98	22	130					35	65	85		3.A.e.P3J	152	
AR0327	197.18	197.48	0.30	56.12	14.35	7.32	4.63	1.26	1.00	13.92	0.53	0.14	0.48	0.03	1.18	100.93	20	128					110	65	75		3.A.e.C23V	150	
AR0330	233.43	236.43	3.00	52.50	16.02	7.06	5.36	3.01	1.12	11.33	0.82	0.12	0.30	0.04	1.01	98.00	20	84					55	70	90		3.A.e.C23w	143	
AR0331	251.35	251.48	0.13	55.07	17.06	6.43	5.59	1.37	0.76	9.75	0.88	0.10	0.18	0.04	1.65	100.83	16	76					65	70	110		11.Am.B3h	162	

GEOCHEMICAL ASSAY

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GEOCHEMICAL ASSAYS

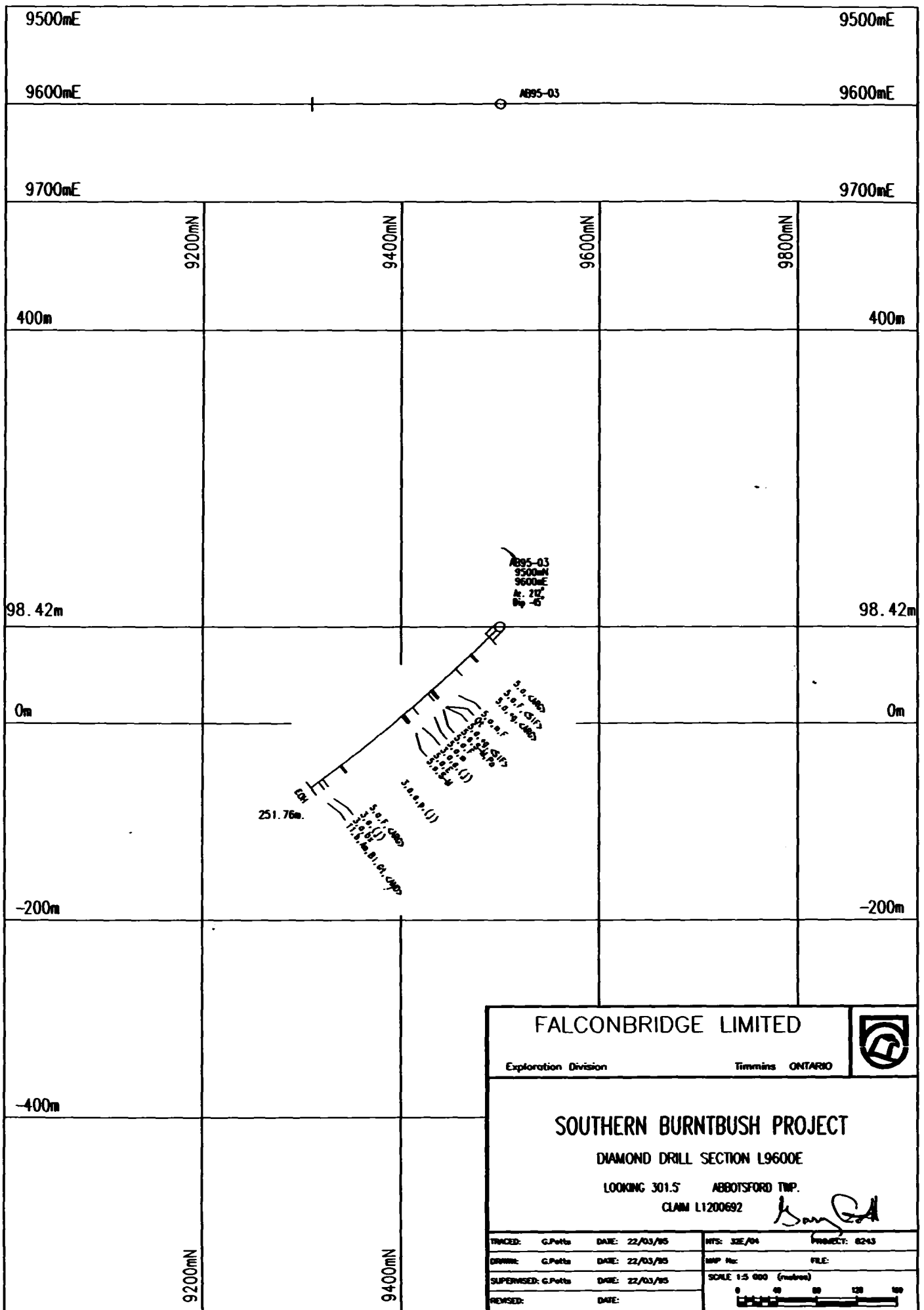
HOLE NUMBER: AB95-03



Sample	From (M)	To (M)	Leq. (M)	Ag PPM	Au PPM	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	NO PPM	SH PPM	KU PPM	GD PPM			
AR03323	108.40	111.40	3.00			30		<100																								
AR03324	123.75	126.75	3.00			28		300																								
AR03325	139.00	142.00	3.00			20		900																								
AR03326	174.00	177.00	3.00			20		<100																								
AR03327	197.16	197.48	0.30			20		<100																								
AR03330	233.43	236.43	3.00			40		<100																								
AR03331	251.35	251.48	0.13			45		<100																								

HOLE NUMBER: AB95-03

GEOCHEMICAL ASSAYS

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<b>FALCONBRIDGE LIMITED</b>		
Exploration Division	Timmins ONTARIO	
<b>SOUTHERN BURNTBUSH PROJECT</b>		
DIAMOND DRILL SECTION L9600E		
LOOKING 301.5° ABBOTSFORD TWP.		
CLAIM L1200692 <i>Sam Gold</i>		
TRACED: G.Petts	DATE: 22/03/95	MPS: 33E/04 PROJECT: 8243
DRAWN: G.Petts	DATE: 22/03/95	MPP No: FILE:
SUPERVISED: G.Petts	DATE: 22/03/95	SCALE 1:5 000 (metres)
REVISED: DATE:		

HOLE NUMBER: AB95-04      PROJECT NAME: 8243      DATE: 08/23/1995      IMPERIAL UNITS: X  
 PROJECT NUMBER: 8243      CLAIM NUMBER: 1200692      DATE STARTED: 03/06/1995      COLLAR SURVEY: NO  
 LOCATION: Abbotsford Township      COLLAR MAKE: YES      ROD LOG: YES      COLLAR AZIMUTH: 31°30' 0"  
 FALCONBRIDGE LIMITED      DRILL HOLE RECORD      PULSE BH SURVEY: NO      PLOUGHED: NO      HOLE SIZE: 90  
 ALTERNATE COORDS      GRID: UTM'S      NORTH: 5445244.01N      EAST: 587341.10E      ELVY: 98.42  
 GRID: Main Grid      NORTH: 104+ 0N      EAST: 92+ 0E      ELVY: 98.42  
 COLLAR ASTROMOMIC AZIMUTH: 31°30' 0"      COLLAR ASTROMOMIC AZIMUTH: 31°30' 0"  
 CONTRACTOR: DOMINIK      CORE STORAGE: NorMetal Office  
 CASING: BM      UTM COORD.: 587341.10E, 5445244.01N

COMMENTS: Tests coincident magnetic high and 15 Mho/-75 metre NUBH conductor.

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degree	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degree	Type of Test	FLAG	Comments
63.00	0° 0' 0"	-43° 0' 0"	A	DO							
123.75	0° 0' 0"	-42° 0' 0"	A	DO							
198.12	0° 0' 0"	-39°30' 0"	A	DO							

DATE: 08/23/1995

DRILL HOLE RECORD

HOLE NUMBER: AB95-04

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	AUTERATION	MINERALIZATION	REMARKS
0.00 TO 26.42	<109> Casing Overburden					
26.42 TO 59.45	<2.A.W.(J)> Mafic volcanic fine grained	Greenish-grey, fine to medium grained, non-magnetic, transitional calc-alkalic, high-Al rock. Rather massive texture with only a weak to locally moderate foliation at 60° to the core axis produced by cm-scale bands richer in biotite. Overall, 1-3t mm-scale rounded pinkish garnets, 10t fine brownish biotite, 20t 1-3mm long tabular amphiboles in a fine siliceous groundmass. Overall increase in garnets associated with sections of stronger quartz-calcite veining. Common patches with up to 20t garnets generally associated with an increase in coarser amphibole. Garnet rich section at 31.43 to 34.00m, 35.56 to 36.85m, 45.00 to 45.35m, 49.80 to 51.72m.	60°	Common (1-3t) mm-cm-scale quartz-calcite stringers generally along the fabric. #24.42-53.20t<Si>PM weak, pervasive, silicification as patches throughout. #53.20-54.00t<Si>FS, <Sp>FM strong, fracture/vein controlled, silicification a irregular hairline fracture filling / weak, fracture/vein controlled, epidotisation associated with the silicification. #54.00-58.45t<Si>PM, <Si>FM, <Sp>FM weak, pervasive, silicification associated with a moderate fracture/vein controlled, silicification and / weak, epidotisation	Nil Sulphides.	ROD 100V. Biotite "bands" suggests a possible sediment component, however appears for the most part to be volcanic. Wholerock AR03332. Wholerock AR03333.
59.45 TO 88.30	<9.B.D.> ORA felsic Intrusive medium grained feldspar phytic granite	Grey, non-magnetic felsic intrusive with 5t very fine black biotite, 30-40t 0.5-3mm diameter tabular feldspars in a fine siliceous groundmass. Sharp upper and lower contacts at 70° to the core axis.	70°	Minor hematitic fractures. Weakly chloritic within the biotite-rich bands. Moderate pervasive silicification as cm-scale bands along the fabric. 3-5t calcite-quartz stringers along the fabric and a weak patchy pervasive carbonatation (calcitic). #59.65-68.30t<Si>PM, <Si>FM, <Cb>FM	Nil sulphides. Generally nil sulphides.	Late dyke. ROD 90V. Probable mafic protolith as less foliated sections display amygdulæ. Wholerock AR03334.

HOLE NUMBER: AB95-04

DRILL HOLE RECORD

LOGGED BY: G. Potts

DATE: 08/23/1998

DRILL HOLE RECORD

HOLE NUMBER: AB95-04

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
88.30 TO 89.93	e9, b, d, <GRA> >> Felsic Intrusive medium grained feldspar phyric granite	68.70m. Geochemistry suggests same basaltic unit as above.  Grey, non-magnetic felsic intrusive as described above. Sharp upper and lower contact at 60° to the core axis.	60°	moderate, pervasive, silicification / weak, fracture/vein controlled, silicification / moderate, fracture/vein controlled, calcitic carbonatization.  Rather fresh appearance.	Nil sulphides.	Similar intrusive to above.
89.93 TO 107.11	e3, a, e, (j) > Intermediate Volcanic fine grained amygdaloid l/vesicular	Green-grey, non-magnetic, fine grained mafic looking rock with common mm-scale lensoidal (along a weak to locally moderate foliation) quartz-calcite amygdaloids. Generally aphanitic with 3-8µ t. 3mm tabular amphiboles and rare fine brown biotite concentrations along cm-scale bands. No distinct flow structures.  Mafic intrusive Fine grained, mafic intrusive with 5-10µ mm-scale black biotites in a fine groundmass. Sharp contacts at 70° to the core axis  Felsic intrusive Medium grained, feldspar phyric, granite, as described above. Minor bleaching along hairline fractures. Sharp contacts at 73° to the core axis.	65°	Weak pervasive silicification throughout with local moderate patches as a brownish-grey bleached zones. Common (1-3µ) mm-cm-scale calcite-quartz stringers generally along the fabric at 70° to the core axis.  F94.26-95.52]e<S1>PM< moderate, pervasive, silicification F96.00-97.97]e<S1>PM< moderate, pervasive, silicification. F98.71-101.93]e<S1>PM, <Sp>PM, <S1>PM< moderate, fracture/vein controlled, silicification associated with minor epidote / moderate, pervasive, silicification.	In general, nil sulphides. Trace pyrite-pyrrhotite associated with the upper contact at the intrusive. Minor shearing associated with this contact.  F105.81-107.11]e<Py>D1-1µ, <Po>D1-1µ 0.5-1.0µ disseminated/blebby pyrite and pyrrhotite along the foliation associated with the lower contact.	Wholerock AR03335.
107.11 TO 109.29	e9, b, d, <GRA> >> Felsic Intrusive medium grained feldspar phyric granite	Grey, non-magnetic felsic intrusive as described above at 63° to the core axis.	63°	Unlike above, weak sericitization throughout.  F107.11-109.29]e<Se>PM< weak, pervasive, sericitization producing a weak foliation at 63° to the core axis.	Nil sulphides.	Wholerock AR03336.

LOGGED BY: G. Potts

DRILL HOLE RECORD

HOLE NUMBER: AB95-04

DATE: 08/23/1995

DRILL HOLE RECORD

HOLE NUMBER: AB95-04

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
109.29 TO 118.10	<5, >g, <OIF> Sedimentary thinly laminated oxide IF	Grey, weakly magnetic (patchy) thinly laminated wacke-type sediment hosting 10-20% 1-5mm diameter lensoidal garnet masses along the fabric at 63° to the core axis. 10-20% fine brownish biotite, 5-10% fine amphibole in an overall siliceous matrix. Magnetite content is variable and generally occurs along the fabric as mm-scale bands. Lower contact placed at a quartz-epidote vein however contact is indistinct, thinly laminated and siliceous from 118.39 down.	63°	Moderately carbonatized (calcitic) throughout as stringers along the fabric and pervasively. §109.29-114.39§<Cb>Pb Moderate, fracture/vein controlled, carbonatization. §114.39-115.89§<Cb>Pb, §81>Pb moderate, fracture/vein controlled, carbonatization n; moderate, pervasive, silicification.	Trace-1% fine pyrite-pyrrhotite and minor magnetite as disseminations along the fabric. §114.39-114.89§<Py>Pb, §10-20%, <Po>Pb-1% 10.0-20.0% bedded/banded pyrite as masses along the foliation and centred on a 6cm wide massive pyrite band 5-1.0% fracture/vein controlled pyrrhotite within the pyrite. §114.89-115.89§<Py>Pb, §Po>Dl-3%, Mag §5-8% 1.0-3.0% fracture/vein controlled pyrite as stringers along foliation / 1.0-3.0% disseminated/blebby pyrrhotite associated with the pyrite / 5.0-8.0% bedded/banded magnetite.	RGD 95% Probable sediment however indistinct contact between the volcanics up-end-down section.
118.10 TO 123.92	<2, s, s, s-M> > Intermediate > Volcanic fine grained	Grey-green, moderately magnetic (over the lower 0.3 metres) fine grained, Al-rich, transitional calc-alkalic volcanic with rare mm-scale quartz-calcite amygdules. Weak foliation throughout at 65° to the core axis.	65°	Moderate pervasive silicification throughout associated with common cm-scale stringers. §118.10-123.92§<81>Pb moderate, pervasive, silicification.	Trace fine disseminated pyrite. Lower 0.3 metres hosts 3-5% very fine disseminated magnetite §123.62-123.92§<Mag>Dl-5% 3.0-5.0% disseminated/blebby magnetite	RGD 100% Wholerock AR03337.
123.92 TO 124.22	<5, s, s, s-M> Sulphide (>40%) fine grained massive sulphide	Fine massive sulphide displaying fragmented (soft sediment) sections of cherty sediment. Sharp upper and lower contacts at 65° to the core axis.	65°	Minor mm-scale quartz stringers. §123.92-124.22§<Cb>Pb Strong, fracture/vein controlled, hairline calcite carbonate throughout the pyrite.	§123.92-124.22§<Py>Pb, §70-75%, <Po>Pb-10% 70.0-75.0% massive pyrite with / 5.0-10.0% fracture/vein controlled pyrrhotite throughout the pyrite.	Target conductor.
124.22 TO 139.12	<2, s, s, s-M> >, Sulphide Intermediate > Volcanic fine grained amygdaloidal/vesicular with sulphide stringers	Grey to green, moderately magnetic (pyrrhotite) fine grained, Al-rich, transitional calc-alkalic volcanic cut by common cm-scale sulphide stringers with associated alteration. Possibly infilling selvages however no distinct selvage texture noted. Rare, scattered mm-scale quartz amygdules (?) and feldspar phenocrysts. As the alteration decreases down section, rock becomes fine grained and amphibole-rich with commonly up to 10% fine brownish biotite. Moderate foliation throughout at 60-70° to the core axis.	65°	Intense alteration below the massive sulphide down to 123.84 metres. Alteration consists of a biotitic envelope around cm-scale sulphide stringers on the order of a cm separated by bleached zones of pervasive silicification & epidotization (weak green colour). Moderate calcitic carbonatization (commonly puggy) as irregular fracturing.	Overall 15-20% sulphides as stringer pyrite (60%), and pyrrhotite (40%) and as disseminations. Pyrrhotite appears for the most part to be marginal to the pyrite in the stringer. §124.22-125.92§<Py>Pb, §10-15%, <Po>Pb-8% 10.0-15.0% fracture/vein controlled pyrite and on the margins of the pyrite / 5.0-8.0% fracture/vein controlled pyrrhotite.	RGD 100% Good alteration and mineralization zone. Wholerock AR03338.

HOLE NUMBER: AB95-04

DRILL HOLE RECORD

LOGGED BY: G. Potts



DATE: 08/23/1995

DRILL HOLE RECORD

HOLE NUMBER: AB95-04

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CH	ALTERATION	MINERALIZATION	REMARKS
139.12 TO 149.00	<2.a.s.(j)> Intermediate Volcanic fine grained amygdaloidal l/vesicular	Green, generally non-magnetic (local sulphide patches), fine grained volcanic with a moderate/strong foliation throughout at 70° to the core axis. Scattered mm-scale quartz-calcite leucoidal amygdaloids with calcitic "pressure shadows" along the fabric. Gradational upper contact as a decrease in the sulphide stringers. Gradational lower contact to a more massive-looking volcanic lacking amygdaloids. In general, fine grained and amphibole rich with up to 10% very fine brownish biotite. Locally, highly foliated sections are rich in cm-scale biotite bands (146.00-148.20m). Felsic intrusive Medium grained, rather fresh-looking feldspar phytic, granite, as described above. Sharp contacts at 70° to the core axis.	70°	§134.23-133.03 §179, <81>P8, <81>P8 Strong, pervasive, silicification; strong, pervasive, bleaching & epidote / moderate, fracture/vein controlled, biotite on the stringer margins. §133.03-139.12 §<CD>P8 weak, fracture/vein controlled, Common (1-3l) mm-cm scale dirty white quartz-calcite & minor epidote generally along the fabric at 70° to the core axis. Patchy pervasive silicification as brownish-grey sections. §132.62-136.65 §<81>P8 Moderate, pervasive, silicification associated with a moderate hairline silica fracture filling. §136.65-137.15 §<81>P8, <81>P8 Strong, pervasive, bleaching associated with a strong silicification and disseminated sulphides.	Trace fine disseminated pyrite-pyrrhotite throughout with local sections of increased sulphides associated with a pervasive silicification. §132.66-136.55 §<Po>D1-1b, <Py>D1-1b 0.5-1.0% disseminated/blebby pyrite and pyrrhotite along the foliation. §136.55-137.25 §<Py>D3-4b, <Po>D1-1b 3.0-4.0% disseminated/blebby pyrite and minor associated pyrrhotite along the fabric associated with intense silicification.	RQD 100%. Gradational contacts up and down section. Wholerock AM03339
149.00 TO 199.95	<2.a.m.w.(j)> Intermediate Volcanic fine grained massive	Green, non-magnetic fine grained intermediate-looking volcanic. Overall, fine amphibole rich with up to 3% fine brownish biotite. Overall massive texture with local moderately foliated patches with up to 10% mm-scale rounded pinkish garnet, 10% fine black biotite in mm-scale bands and 10% mm-scale tabular amphiboles in a fine amphibole-rich groundmass and generally associated with sections richer in quartz-calcite veining (172.39-172.76m, 176.22-176.42m, 177.60-177.95m, 179.60-180.62m, 181.37-183.05m, 185.91-188.05m)	70°	Common 0.5-20cm wide dirty white quartz-calcite/epidote and tourmaline (no sulphides associated) veins generally along a weak fabric at 70° to the core axis. Patchy weak pervasive silicification throughout. §140.00-183.00 §<81>P8 Moderate, pervasive, silicification associated with common stringers along a moderate foliation (garnet-rich section).	Rare, trace fine pyrite and pyrrhotite.	RQD 100%. Wholerock AM03340.
199.95 TO 199.95	<8CH> End-Of-Hole					

HOLE NUMBER: AB95-04

DRILL HOLE RECORD

LOGGED BY: G. Potts

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*G. Potts*

DATE: 23/08/1995

ASSAYS SHEET

HOLE NUMBER: AB95-04

Sample	From (M)	To (M)	Length (M)	Cu ppm	Zn ppm	Au ppb	Ag ppm	Pb ppm	Co ppm	Cu/Zn ppm	Mn ppm
AR02931	83.30	83.60	0.30	146	29	14	0.1	1			81
AR02932	108.81	107.11	1.70	57	44	7	0.1	1			38
AR02933	132.89	124.39	1.50	26	111	10	0.1	1			37
AR02934	134.39	134.89	0.50	52	106	14	0.1	1			50
AR02935	134.89	135.89	1.00	41	74	14	0.1	1			58
AR02936	135.89	137.59	1.70	66	123	10	0.3	1			34
AR02937	133.42	133.92	0.50	52	74	7	0.1	1			33
AR02938	123.92	124.22	0.30	32	45	14	0.4	1			72
AR02939	124.22	128.72	1.50	47	43	0	0.1	1			111
AR02940	128.72	127.22	1.50	61	53	0	0.1	1			132
AR02941	127.22	128.72	1.50	81	74	0	0.1	1			147
AR02942	128.72	130.22	1.50	59	78	0	0.1	1			132
AR02943	130.22	131.72	1.50	57	55	7	0.1	1			130
AR02944	131.72	133.42	1.70	55	69	3	0.1	1			126
AR02945	133.42	135.12	1.70	111	67	3	0.2	1			102
AR02946	135.12	136.62	1.50	54	39	7	0.1	1			48
AR02947	136.62	138.12	1.50	50	24	0	0.1	1			29
AR02948	138.12	140.12	2.00	63	29	0	0.1	1			29
AR02949	151.89	152.29	0.40	66	43	0	0.1	1			22
AR02950	152.29	153.86	1.10	44	220	0	0.1	1			32
AR02951	153.86	154.86	1.00	42	45	7	0.1	1			31
AR02952	154.86	156.36	1.50	45	50	3	0.1	1			19
AR02953	156.36	157.06	0.70	34	28	3	0.1	1			21
AR02954	157.06	157.56	0.50	72	33	0	0.1	1			38

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ASSAYS SHEET

HOLE NUMBER: AB95-04

DATE: 23/08/1995

GEOCHEMICAL ASSAY

HOLE NUMBER: A895-04

Sample	From (M)	To (M)	Leg. (M)	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	TiO2	P2O5	MnO	Cr2O3	LOI	Sum	Y	Zr	Ba	Rb	Sr	CO2	Cu	Zn	Ni	Cr	Field Chem ID	ALUM
AR03332	27.57	30.57	3.00	58.95	17.12	8.00	3.68	3.39	0.72	7.69	0.79	0.18	0.18	0.02	0.27	100.93	30	138					60	80	138		3.6, dMNH	141
AR03333	55.47	58.47	3.00	54.56	17.12	8.67	4.71	4.21	1.02	10.78	1.03	0.20	0.25	0.02	0.63	100.15	28	138					30	80	118		3.6 2hw	157
AR03334	74.98	77.98	3.00	51.64	16.62	7.76	4.62	4.10	0.96	11.43	1.23	0.22	0.22	0.02	1.40	100.40	24	124					55	85	80		11, Am, B2hw	130
AR03335	94.97	97.97	3.00	58.46	17.21	4.39	5.04	4.01	2.38	6.72	0.83	0.18	0.10	0.03	1.02	100.31	20	128					35	105	75		3.6, e 3j	160
AR03336	107.11	109.11	2.00	67.74	16.05	1.77	0.68	4.91	4.10	1.82	0.31	0.10	0.02	0.03	0.41	97.93	6	140					45	35	45		9, b, D, c9JA	149
AR03337	130.92	133.92	3.00	56.13	17.00	4.86	4.14	5.17	1.30	7.53	0.93	0.18	0.11	0.02	0.54	97.89	20	118					45	80	80		3.6, e 3j	150
AR03338	133.42	133.62	0.20	58.06	17.64	10.87	1.86	3.24	0.50	5.37	1.05	0.18	0.11	0.05	1.38	100.22	16	88				8	85	155		3.6, e, B2Jw 8	121	
AR03339	140.32	163.32	3.00	54.32	14.96	7.64	4.59	2.70	0.38	13.29	1.83	0.26	0.22	0.00	0.42	100.30	28	138				140	110	45		3.6, e 2hw	140	
AR03340	193.85	196.85	3.00	55.45	15.96	8.64	4.42	3.01	0.32	11.15	1.10	0.20	0.16	0.01	0.28	100.91	20	98				205	80	100		3.6, m 2hw	133	

GEOCHEMICAL ASSAY

HOLE NUMBER: A895-04

DATE: 22/08/1985

GEOCHEMICAL ASSAYS

HOLE NUMBER: AB95-04

Sample	From (M)	To (M)	Lang. (M)	NO PPM	AU PPM	CO PPM	PB PPM	S PPM	V PPM	AS PPM	EN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TK PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	MD PPM	SH PPM	SU PPM	GD PPM								
AR0332	27.57	30.57	3.00			20		100																													
AR0333	58.47	58.47	3.00			45		100																													
AR0334	74.98	77.98	3.00			50		<100																													
AR0335	94.97	97.97	3.00			28		<100																													
AR0336	107.11	109.11	2.00			5		100																													
AR0337	120.92	123.92	3.00			25		<100																													
AR0338	133.42	133.62	0.20			45		100																													
AR0339	160.32	163.32	3.00			30		200																													
AR0340	193.85	196.85	3.00			25		<100																													

HOLE NUMBER: AB95-04

GEOCHEMICAL ASSAYS

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*Samuel East*



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

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

3. ALTERATION MODIFIERS

- Ab Albitization
- Bl Bleached
- C> Carbonaceous
- Cb Carbonatization
- Ch Chloritization
- Ep Epidotization
- F> Iron Carbonatization
- He Hematization
- K> Potassic Alteration
- 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 (76% <264mm) | *p | Fault Gouge                  |
| *d | Block (>64mm)/Xenolith   | *q | Augen                        |
| *e | Autoclastic/Hyaloclastic | *r | Porphyroblastic              |
| *f | Thickly Laminated        | *s | Hornfels                     |
| *g | Thinly Laminated         | *t | foliated/sheared             |
| *h | Clast Supported          | *u | folded                       |
| *i | Matrix Supported         | *v | boudinage                    |
| *j | Granule (grit 2-4mm)     | *w | fragmental (felsic>mafic)    |
| *k | Pebble (4-64mm)          | *x | fragmental (mafic>felsic)    |
| *l | Cobble (64-256mm)        | *y | Crystal Tuff (>50% of frags) |
| *m | Boulder (>256)           | *z | Lithic Tuff (>50% of frags)  |

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 |                          |
|------|--------------------------|
| D    | Disseminated/Blebs       |
| F    | Fracture/vein controlled |
| M    | Massive                  |
| B    | Bedded                   |
| C    | Clasts/Fragments         |

PERCENTAGE

Numeric percentage, or percentage range (i.e. 1-3%), must always be specified

Example: Cp83% = Chalcopyrite, Bedded, 3%

### 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	Homblende	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
bi	Bismuthite	Ls	Limestone	Sph	Sphalerite
Bi	Biotite	Lm	Limonite	Ti	Sphene (Titanite)
Bo	Bornite	Mag	Magnetite	Ag	Silver
Ca	Calcite	Mc	Malachite	Sp	Spinel
Cn	Chalcedony	Ma	Marcasite	Spd	Spodumene
Cc	Chalcocite	Mi	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	Nicothite	Te	Telluride
Cv	Covellite	Ni	Nickel minerals	Tt	Tetrahedrite
Ct	Cordierite	Ov	Olivine	Ta-CI	Tantalite-Columbite
Dp	Diopside	Or	Orthoclase	Tl	Tourmaline
Dol	Dolomite	Opx	Orthopyroxene	Tr	Tremolite
Epi	Epidote	Pi	Phlogopite	Wo	Wollastonite
Fel	Feldspar	Pg	Plagioclase	Zr	Zircon
Fl	Fluorite				

### 6. ROCK TYPE / PROTOLITH

<QFG>	Quartzfeldspathic	<PER>	Peridotite	<CHM>	Chem. Precip.
<QTZ>	Quartzite	<SER>	Serpentinite	<SLA>	State
<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	<RYD>	Rhyodacite
<ANT>	Anorthosite	<CIF>	Carbonate IF	<RHY>	Rhyolite
<DIO>	Diorite	<SHA>	Shale	<SCL>	Sulphide Clasts
		<LST>	Limestone	<RWV>	Reworked Volcanic Debris

*Bary*

FALCONBRIDGE EXPLORATION LTD.

ATTN: G. POTTS  
 PROJ: 8243 EXPL

TSL/ASSAYERS Laboratories

1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W 1L4  
 PHONE #: (905) 602-8236 FAX #: (905) 206-0513

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

REPORT NO.: M4845  
 Page No.: 1 of 1  
 File No.: HR22RA  
 Date: MAR-24-1995  
 Oxides in % - Minor ppm



SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %	S ppm
AR03301	58.66	16.94	5.56	7.42	4.77	4.02	0.62	0.76	0.11	0.160,035		126	28	60	65	105	20	1.17	100.18	100
AR03302	55.20	15.30	7.97	7.78	6.71	3.20	1.12	0.75	0.22	0.240,080		126	24	10	65	175	35	1.78	100.25	100
AR03303	49.48	18.10	6.98	7.74	5.56	0.68	0.68	0.79	0.16	0.180,030		124	34	75	95	110	30	5.26	100.01	100
AR03304	58.62	15.31	9.72	5.45	4.50	0.37	3.08	0.67	0.32	0.120,045		166	22	10	70	50	20	2.76	100.94	100
AR03305	59.51	17.61	6.29	4.02	3.81	3.13	3.40	0.95	0.12	0.200,030		146	24	45	75	55	10	1.15	100.20	100
AR03306	62.45	16.20	6.02	3.44	3.50	2.43	3.34	0.90	0.11	0.200,040		146	34	55	120	60	40	1.79	100.37	2800
AR03307	47.94	16.16	6.02	13.35	4.25	1.71	2.52	0.63	0.23	0.120,035		106	18	30	50	35	20	7.99	100.91	100
AR03308	54.50	16.75	8.80	9.12	3.97	3.68	0.72	0.98	0.17	0.180,045		106	26	45	65	105	25	1.91	100.78	100
AR03309	65.62	15.69	5.28	2.89	1.50	2.04	5.38	0.66	0.14	0.120,040		272	52	30	75	50	10	1.06	100.40	1100
AR03310	62.44	12.91	10.58	3.74	3.09	0.95	3.24	0.50	0.44	0.100,055		274	48	30	70	95	15	2.13	100.11	100
AR03311	46.88	10.26	28.63	7.04	4.30	0.37	0.74	0.41	1.49	0.060,025		196	36	30	60	40	10	0.01	100.05	3500
AR03312	59.12	15.76	8.40	5.95	4.76	3.76	0.50	0.69	0.13	0.140,030		120	28	40	60	80	20	1.51	100.71	100
AR03313	65.71	12.27	9.48	3.68	3.52	1.26	1.74	0.60	0.29	0.120,065		248	48	35	70	45	20	2.32	100.96	100
AR03314	72.89	12.01	5.98	2.93	2.56	1.84	0.86	0.46	0.23	0.080,045		298	54	40	60	140	10	1.09	100.93	1500
AR03315	59.52	15.73	7.05	5.90	5.04	4.26	0.34	0.68	0.14	0.100,055		100	18	60	60	210	35	1.57	100.35	100
AR03316	56.12	17.31	8.86	5.91	3.79	3.97	1.24	0.76	0.26	0.160,065		108	18	15	60	130	25	1.94	100.33	11100
AR03317	63.43	15.63	6.05	1.83	3.15	3.46	2.34	0.53	0.07	0.160,055		112	14	5	100	35	5	3.33	99.99	20500
AR03318	48.46	10.19	8.82	11.66	12.94	0.65	1.56	1.11	0.21	0.920,120		248	20	20	80	125	25	4.13	100.66	20000
AR03319	54.75	16.08	8.48	6.36	4.57	3.59	0.52	0.81	0.13	0.260,055		148	32	40	65	115	30	2.06	97.59	8400
AR03320	62.02	15.42	6.85	2.94	2.76	2.67	2.54	0.58	0.19	0.160,060		126	22	10	100	35	10	3.94	100.05	18300
AR03321	62.25	16.11	6.44	6.20	3.33	3.74	1.06	0.58	0.10	0.160,040		142	22	35	80	100	20	1.00	100.96	700
AR03322	59.77	16.45	7.23	6.68	3.48	3.49	0.78	0.76	0.11	0.100,040		112	20	60	85	115	25	1.31	100.09	700
AR03323	59.19	15.79	6.63	7.26	4.53	3.56	0.58	0.81	0.17	0.240,080		134	24	80	60	330	30	1.42	100.17	100
AR03324	57.95	15.16	7.11	7.42	3.68	3.46	0.28	0.89	0.14	0.260,045		144	26	30	75	75	25	1.19	97.56	300
AR03325	63.00	15.70	6.27	5.57	3.50	3.70	0.88	0.59	0.09	0.140,040		126	20	20	60	75	20	1.04	100.49	900
AR03326	60.55	16.28	6.57	5.52	3.50	4.11	1.06	0.60	0.10	0.160,035		130	22	35	65	85	20	1.52	99.98	100
AR03327	56.12	14.35	13.92	7.32	4.63	1.26	1.00	0.53	0.48	0.140,030		128	20	110	65	75	20	1.18	100.93	100
AR03328	68.29	14.25	5.67	2.57	3.08	2.74	1.86	0.64	0.08	0.100,040		276	38	25	90	35	15	1.22	100.51	700
AR03329	75.23	11.13	2.39	0.39	0.48	1.08	7.44	0.25	0.03	0.060,005		292	120	5	135	10	4	0.83	99.31	100
AR03330	52.50	16.02	11.33	7.06	5.34	3.01	1.12	0.82	0.30	0.120,035		84	20	55	70	90	40	1.01	98.60	100
AR03331	55.07	17.06	9.75	8.43	5.59	1.37	0.76	0.88	0.18	0.100,035		76	16	65	70	110	45	1.65	100.83	100
AR03282	75.61	11.09	2.41	0.41	0.50	1.06	7.40	0.25	0.03	0.060,005		290	120	10	130	10	5	0.88	99.68	100

T11/95

SIGNED :

*[Handwritten Signature]*



**FALCONBRIDGE EXPLORATION LTD.**

ATTN: G. PORTS

PROJ: 8243 EXPL

5W-0908-RC1

**TSL/ASSAYERS Laboratories**

1270 FERSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W-1K4  
 PHONE #: (905)602-8236 FAX #: (905)206-0513

**I.C.A.P. WHOLE ROCK ANALYSIS**

Lithium Metaborate Fusion

REPORT NO. : **M4919**  
 FILE NO. : 1 of 1  
 DATE : APR 4 1995  
 ANALYST : AP03RA  
 OXIDES IN % - MINORS ppm

SAMPLE #	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Cr2O3	Zr	Y	Cu	Zn	Ni	Co	LOI	TOTAL	S
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
ARO3332	58.95	17.12	7.69	8.00	3.68	3.39	0.72	0.79	0.15	0.180,020	0.180,020	138	30	60	80	135	20	0.27	100.93	100
ARO3333	54.56	17.12	10.75	5.67	4.71	4.21	1.02	1.03	0.25	0.200,020	0.200,020	138	28	30	80	115	45	0.63	100.15	100
ARO3334	51.64	16.62	11.63	7.76	4.62	4.10	0.96	1.23	0.22	0.220,020	0.220,020	124	24	55	85	80	50	1.40	100.40	100
ARO3335	58.46	17.21	6.72	4.39	5.04	4.01	2.38	0.83	0.10	0.180,025	0.180,025	128	20	35	105	75	25	1.02	100.31	100
ARO3336	67.74	16.05	1.82	1.77	0.68	4.91	4.10	0.31	0.02	0.100,025	0.100,025	140	6	< 5	35	< 5	5	0.41	97.93	100
ARO3337	56.13	17.00	7.53	4.86	4.14	5.17	1.30	0.93	0.11	0.180,020	0.180,020	118	20	45	80	80	25	0.54	97.89	100
ARO3338	58.06	17.64	5.37	10.87	1.86	3.24	0.50	1.05	0.11	0.180,045	0.180,045	88	16	5	85	155	45	1.35	100.22	100
ARO3339	54.32	14.96	13.29	7.64	4.59	2.70	0.38	1.53	0.22	0.260,005	0.260,005	138	28	140	110	45	30	0.42	100.30	200
ARO3340	55.45	15.96	11.15	8.64	4.42	3.01	0.32	1.30	0.18	0.200,015	0.200,015	98	20	205	80	100	25	0.28	100.91	100
ARO3341	75.55	11.16	2.41	0.50	0.49	1.09	7.42	0.26	0.03	0.060,005	0.060,005	292	120	5	135	10	< 5	0.82	99.80	100

SIGNED :

*[Handwritten Signature]*



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

## Geochemical Analysis Certificate

5W-0912-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**  
Project: **8243 EXPL**  
Attn: **G. Potts**

Date: **APR-03-95**

We hereby certify the following Geochemical Analysis of 21 Core samples submitted MAR-29-95 by G. Potts.

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM
AR02851	2	68	45	1	0.1	31
AR02852	2	110	68	1	0.1	18
AR02853	2	36	57	1	0.1	43
AR02854	2	47	153	1	0.2	20
AR02855	2	22	100	1	0.1	16
AR02856	2	81	33	1	0.1	37
AR02857	2	77	93	5	0.1	47
AR02858	2	44	46	1	0.1	42
AR02859	2	105	508	211	2.5	80
AR02860	2	55	117	4	0.2	29
AR02861	2	56	152	2	0.1	47
AR02862	2	76	173	1	0.1	64
AR02863	2	83	58	1	0.1	59
AR02864	2	39	86	1	0.1	28
AR02865	2	76	127	1	0.2	50
AR02866	2	79	206	1	0.1	55
AR02867	3	80	274	12	0.2	84
AR02868	2	36	3060	687	1.2	39
AR02869	2	51	295	257	1.3	48
AR02870	2	29	62	2	0.1	40
AR01343 Control	14	1120	30600	330	9.7	58

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

## Geochemical Analysis Certificate

SW-0732-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**  
Project: **8243 EXPL**  
Attn: **G.Potts**

Date: **MAR-21-95**

We hereby certify the following Geochemical Analysis of 9 Core samples submitted MAR-16-95 by G.Potts.

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM	Co PPM	Pt PPB	Pd PPB	S %
AR02872	<2	26	68	1	0.1	23	5	<10	<5	0.76
AR02873	<2	192	350	2	0.8	59	10	<10	<5	8.30
AR02874	<2	66	91	6	0.3	41	31	<10	<5	3.09
AR02875	<2	16	41	15	0.1	29	6	<10	<5	0.37
AR02876	<2	33	138	53	0.1	37	17	<10	<5	1.11
AR02877	<2	56	83	1	0.2	45	16	<10	<5	5.91
AR02878	3	22	271	88	0.2	23	11	<10	<5	1.82
AR02879	<2	19	110	46	0.2	23	10	<10	<5	0.96
AR01342 Control	278	5610	207	23	1.0	12	12	<10	<5	4.21

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



# Swastika Laboratories

A Division of TSL/Assayers Inc.

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Assaying - Consulting - Representation

Page 1 of 3

## Geochemical Analysis Certificate

5W-1135-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**

Date: APR-20-95

Project: **PN 8243 EXPL**

Attn: **G. Potts**

We hereby certify the following Geochemical Analysis of 76 Core samples submitted APR-13-95 by .

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM
AR02871	7	52	64	6	0.3	51
AR02880	2	81	53	3	0.2	417
AR02881	2	79	113	2	0.5	207
AR02882	2	49	129	1	0.2	47
AR02883	2	35	87	1	0.3	30
AR02884	2	40	81	1	0.1	36
AR02885	3	49	137	1	0.6	182
AR02886	3	19	365	1	0.1	50
AR02887	7	37	63	1	0.3	110
AR02888	2	36	82	5	0.2	69
AR02889	2	32	61	5	0.3	47
AR02890	2	58	114	2	0.2	77
AR02891	2	122	35	1	0.3	471
AR02892	2	35	70	2	0.1	127
AR02893	2	20	68	1	0.1	38
AR02894	2	36	82	4	0.3	121
AR02895	2	33	84	1	0.2	114
AR02896	2	30	86	1	0.2	100
AR02897	2	53	100	1	0.2	149
AR02898	3	51	92	1	0.1	132
AR02899	2	38	74	1	0.1	56
AR02900	3	45	37	2	0.2	202
AR02901	3	47	41	1	0.3	207
AR02902	2	45	38	1	0.1	220
AR02903	2	45	33	1	0.2	286
AR02904	2	31	57	1	0.2	67
AR02905	3	54	51	7	0.4	119
AR02906	7	26	99	1	0.1	79
AR02907	3	62	38	1	0.1	68
AR02908	3	102	43	1	0.3	210

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

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# Swastika Laboratories

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Page 2 of 3

## Geochemical Analysis Certificate

5W-1135-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**  
Project: **PN 8243 EXPL**  
Attn: **G. Potts**

Date: APR-20-95

We hereby certify the following Geochemical Analysis of 76 Core samples submitted APR-13-95 by .

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM
AR02909	<	69	349	13	0.2	87
AR02910	3	57	285	9	0.1	60
AR02911	<	41	111	7	0.2	46
AR02912	14	37	51	1	0.1	49
AR02913	<	60	381	8	0.1	77
AR02914	<	84	165	3	0.2	168
AR02915	<	51	48	1	0.1	77
AR02916	<	32	41	1	0.1	34
AR02917	<	42	105	2	0.1	52
AR02918	<	21	29	1	0.1	47
AR02919	10	43	68	6	0.1	102
AR02920	10	72	91	3	0.3	209
AR02921	3	38	55	1	0.1	105
AR02922	3	123	24	1	1.1	107
AR02923	3	34	55	1	0.1	58
AR02924	<	54	56	1	0.1	270
AR02925	<	61	33	1	0.1	300
AR02926	7	93	85	1	0.1	188
AR02927	7	55	32	1	0.1	143
AR02928	3	32	26	1	0.1	74
AR02929	7	45	19	1	0.1	62
AR02930 AB95-03	3	126	23	1	0.2	2040
AR02931	14	146	29	1	0.1	81
AR02932	7	57	44	1	0.1	35
AR02933	10	28	111	1	0.1	37
AR02934 AB95-04	14	52	106	1	0.1	50
AR02935	14	41	74	1	0.1	55
AR02936	10	66	123	1	0.3	34
AR02937	7	52	74	1	0.1	33
AR02938	14	32	45	1	0.4	72

Certified by 



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

Page 3 of 3

## Geochemical Analysis Certificate

5W-1135-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**  
Project: **PN 8243 EXPL**  
Attn: **G. Potts**

Date: **APR-20-95**

We hereby certify the following Geochemical Analysis of 76 Core samples submitted APR-13-95 by .

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM
AR02939	2	47	43	1	0.1	111
AR02940	2	61	53	1	0.1	132
AR02941	2	81	74	1	0.1	147
AR02942	2	59	78	1	0.1	132
AR02943	7	57	55	1	0.1	130
AR02944	3	55	69	1	0.1	126
AR02945	3	111	67	1	0.2	103
AR02946	7	54	39	1	0.1	45
AR02947	2	50	24	1	0.1	29
AR02948	2	63	29	1	0.1	29
AR02949	2	66	43	1	0.1	22
AR02950	2	44	220	1	0.1	32
AR02951	7	42	45	1	0.1	31
AR02952	3	45	50	1	0.1	19
AR02953	3	34	25	1	0.1	21
AR02954	2	72	33	1	0.1	35

AB95-04

Certified by 

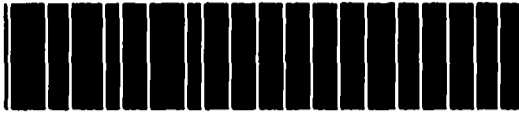
# Report of Work Conducted After Recording Claim

Transaction Number  
**W9580.00554**

## Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for Recorder.
  - A separate copy of this form must be completed.
  - Technical reports and maps must accompany.
  - A sketch, showing the claims the work is as:



32E04NW0007 W9580.00554 ABBOTSFORD

900

Recorded Holder(s) <b>FALCONBRIDGE LIMITED</b>		Client No. <b>130679</b>
Address <b>P.O. BOX 1140, 571 MONETA AVENUE, TIMMINS P4N 7H9</b>		Telephone No. <b>267-1188</b>
Mining Division <b>LARDER LAKE</b>	Township/Area <b>ABBOTSFORD AND CASE TOWNSHIPS</b>	M or G Plan No. <b>G-3462, G-3485</b>
Date Work Performed	From: <b>AUGUST 1, 1994</b>	To: <b>JANUARY 31, 1995</b>

**Work Performed (Check One Work Group Only)**

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	<b>DIAMOND DRILLING (BQ) AND CORE LOGGING + ASSAYS</b>
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ **59,348**

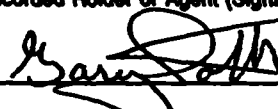
**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

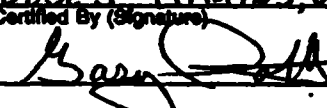
Name	Address
<b>SOCELYN LAPORE</b>	
<b>DOMINIK DRILLING</b>	<b>409 KING STREET; P.O. BOX 473; PORCUPINE, ONTARIO; P0N 1C0</b>
<b>GARY POTTS</b>	<b>RR#1 DELNITE PROPERTY; ZONE 3, HOUSE 3; TIMMINS, ONTARIO</b>
<b>FALCONBRIDGE LIMITED</b>	<b>571 MONETA AVENUE; P.O. BOX 1140; TIMMINS, ONTARIO; P4N 7H9</b>

(attach a schedule if necessary)

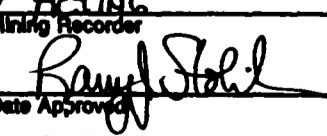
**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>August 23, 1995</b>	Recorded Holder or Agent (Signature) 
--	--------------------------------	---

**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <b>GARY POTTS; RR#1 DELNITE PROPERTY; ZONE 3, HOUSE 3; TIMMINS, ONTARIO; P4N 7C2</b>		
Telephone No. <b>(705) 267-5367</b>	Date <b>August 23, 1995</b>	Certified By (Signature) 

**For Office Use Only**

Total Value Cr. Recorded <b>\$43,257</b>	Date Recorded <b>Aug 25/95</b>	Mining Recorder 	RECEIVED LARDER LAKE MINING DIVISION <b>AUG 25 1995</b>
reserve <b>\$16,091</b>	Deemed Approval Date <b>Nov. 23/95</b>	Date Approved <b>95 Aug 25</b>	
Date Notice for Amendments Sent			

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1200692	12
	1200693	8
	1200694	12
	1200696	16
	1200697	16
	1200699	16
	1200700	16
	1200701	16
	1200703	16
	1200705	16
	1200706	16
	1200709	2
	1200711	2
	1200721	1
<b>Total Number of Claims</b>		<b>14</b>

Value of Assessment Work Done on the Claim	Value Applied to the Claim
30,335	0
0	2,852
0	3,988
0	3,710
0	6,400
0	6,400
0	6,400
0	6,400
0	4,043
9,349	0
19,664	1,359
0	800
0	505
0	400
<b>Total Value Work Done</b>	<b>Total Value Work Applied</b>
<b>59,348</b>	<b>43,257</b>

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
14,244	16,091
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
9,349	0
10,305	0
0	0
0	0
0	0
<b>Total Assigned From</b>	<b>Total Reserve</b>
<b>41,898</b>	<b>16,091</b>

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

SEE ATTACHED COVER SHEET

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature <i>[Signature]</i>	Date August 23, 1995
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Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction  
W9.580.00554

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	6,826	
	Field Supervision Supervision sur le terrain		6,826
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type DRILLING	48,998	
	ASSAYS	2,105	
			51,103
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			

2. Indirect Costs/Coûts indirects

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK SERVICING	374	
	GAS (TRUCK+SKIDOO)	694	
Food and Lodging Nourriture et hébergement		350	
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)		Valueur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)	

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as AGENT, SENIOR FIELD GEOLOGIST I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature: [Signature] Date: August 23, 1995

FALCONBRIDGE



August 23, 1995

**FALCONBRIDGE LIMITED - EXPLORATION**

P.O. Box 1140, 571 Moneta Avenue

Timmins, Ontario

P4N 7H9

Telephone: 705-267-1188

Fax: 705-264-6080

Mining Recorders Office  
Larder Lake Mining Division  
4 Government Road East  
Kirkland Lake, Ontario  
P2N 1A2  
(705) 567-9242  
(705) 567-5621 (Fax)

**RE: ASSESSMENT WORK.**

To Whom it May Concern,

Please find enclosed a diamond drilling report to be filed for assessment purposes on a group of claims that Falconbridge Limited holds in Case and Abbotsford Townships, north of Lake Abitibi, Ontario.

**Should credits be cut back cut credits on claim 1200692.**

Should you have any questions concerning this matter, please call me at my office in Timmins at (705) 267-1188 extension 250. Thank you.

Sincerely;

A handwritten signature in black ink, appearing to read 'Gary W. Potts', written over a horizontal line.

Gary W. Potts  
Senior Field Geologist

**REFERENCES**

1. **DISPOSITION OF CROWN LANDS**  
 2. **MINING RIGHTS ONLY**  
 3. **LEASE SURFACE & MINING RIGHTS**  
 4. **RESERVATION**  
 5. **ORDER IN COUNCIL**  
 6. **CANCELLED**  
 7. **SAND & GRAVEL**

**SINGER 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	●
MINING RIGHTS ONLY	○
LEASE SURFACE & MINING RIGHTS	■
MINING RIGHTS ONLY	□
LICENCE OF OCCUPATION	○
ORDER IN COUNCIL	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

SCALE 1:20,000

**DATE OF ISSUE**

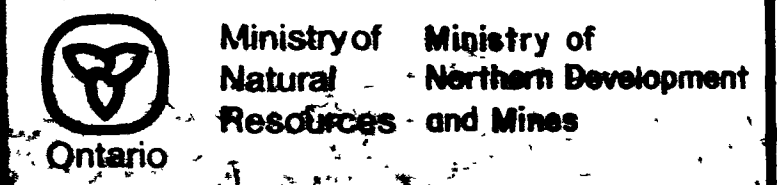
25 1995  
 L. P. COCHRANE  
 MINING RECORDERS

**NOTICE OF FORESTRY ACTIVITY**

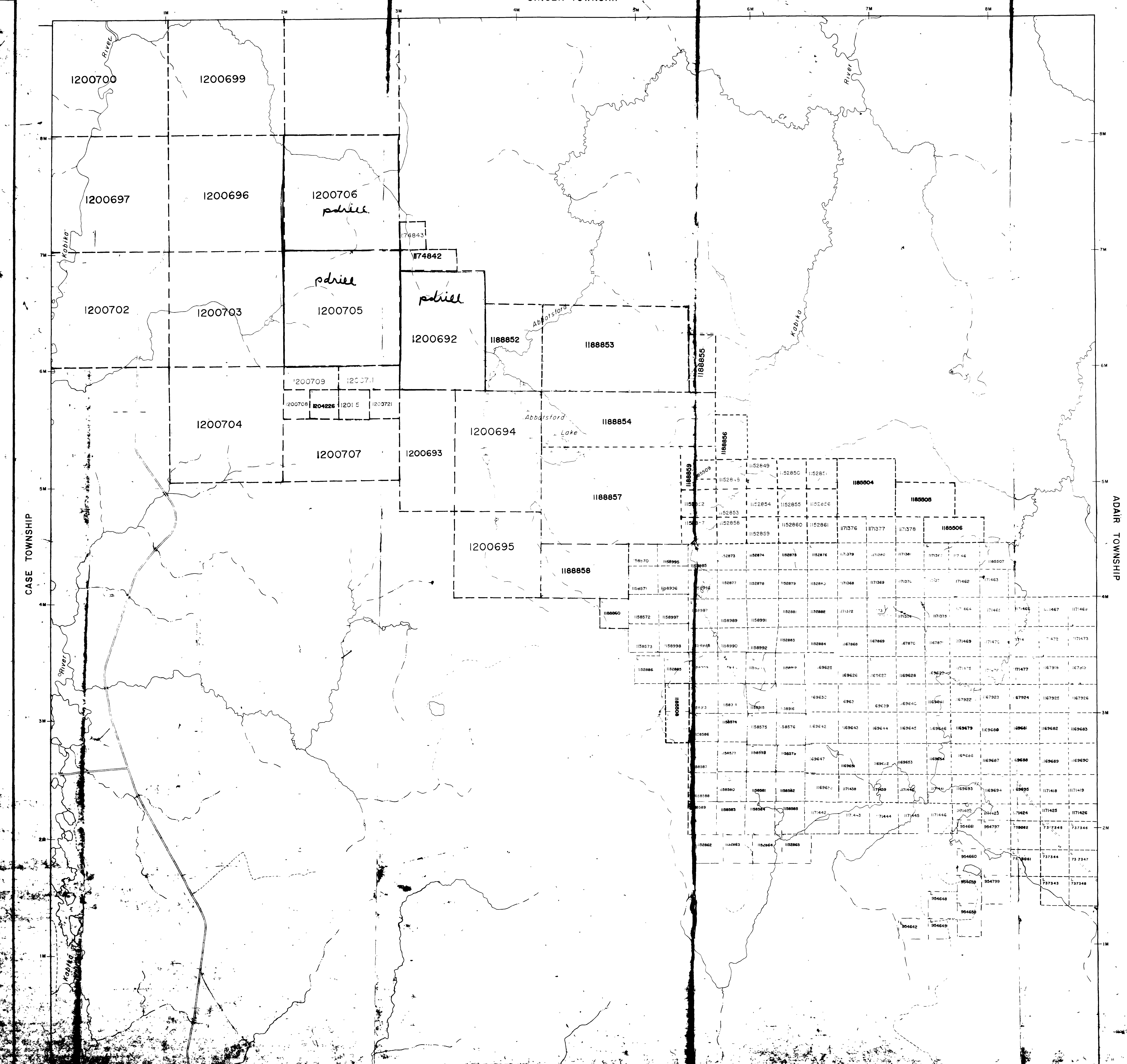
THIS TOWNSHIP / AREA FALLS WITHIN THE  
**ROQUOIS FALLS MANAGEMENT UNIT**  
 AND MAY BE SUBJECT TO FORESTRY OPERATIONS  
 THE MGR. UNIT FORESTER FOR THIS AREA CAN BE  
 CONTACTED AT: P.O. BOX 750  
 2<sup>ND</sup> THIRD AVE.  
 COCHRANE, ONT.  
 P.O. BOX  
 705-272-4365

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

**TOWNSHIP**  
**ABBOTSFORD**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**COCHRANE**  
 MINING DIVISION  
**LARDER LAKE**  
 LAND TITLES / REGISTRY DIVISION  
**COCHRANE**



G-3462



CASE TOWNSHIP

ADAIR TOWNSHIP

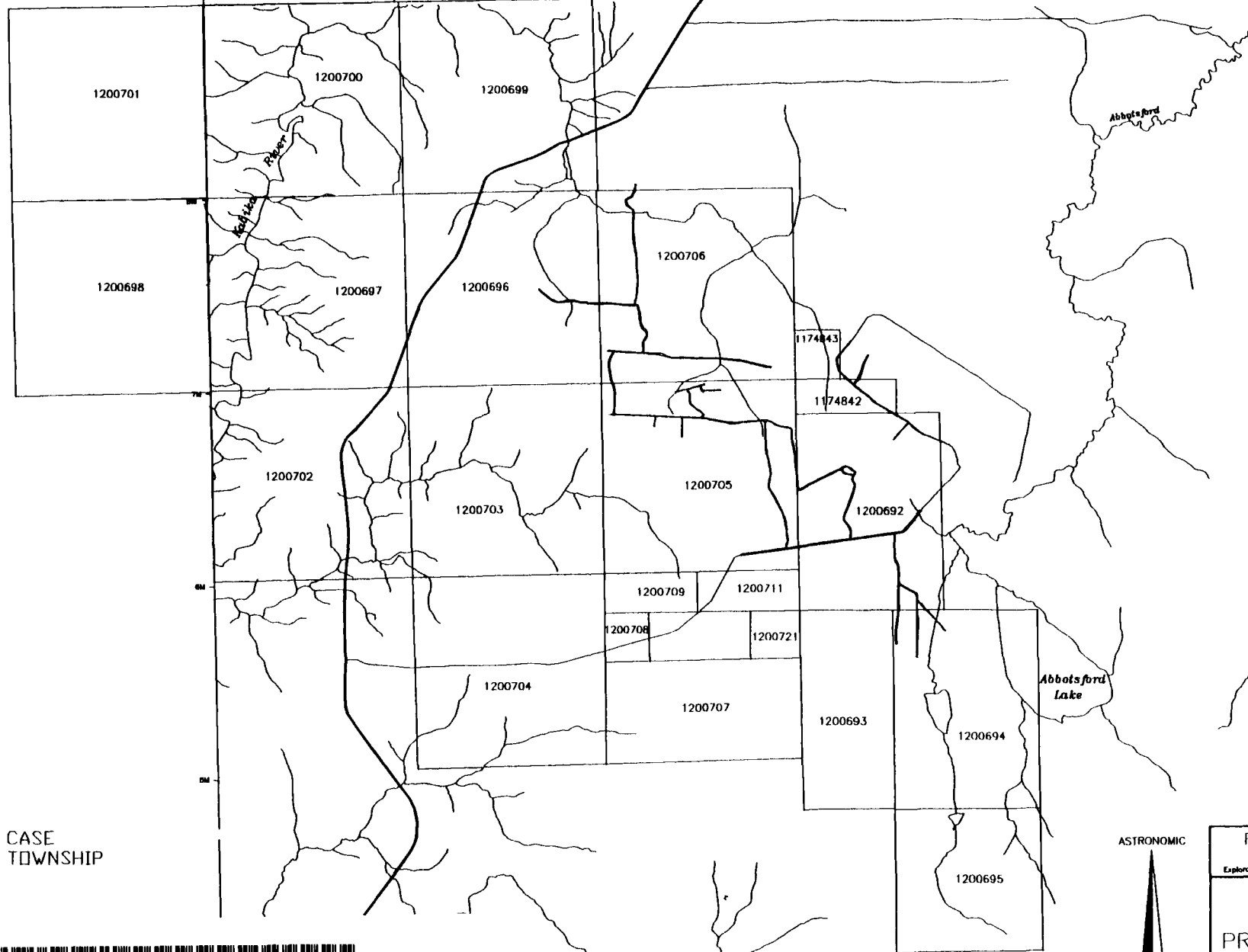
TOWNSHIP

G-3465

WMT 0903210

KENNING TOWNSHIP

SINGER TOWNSHIP



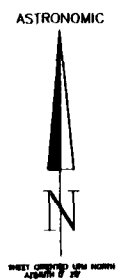
CASE TOWNSHIP

TOWNSHIP

210




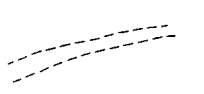



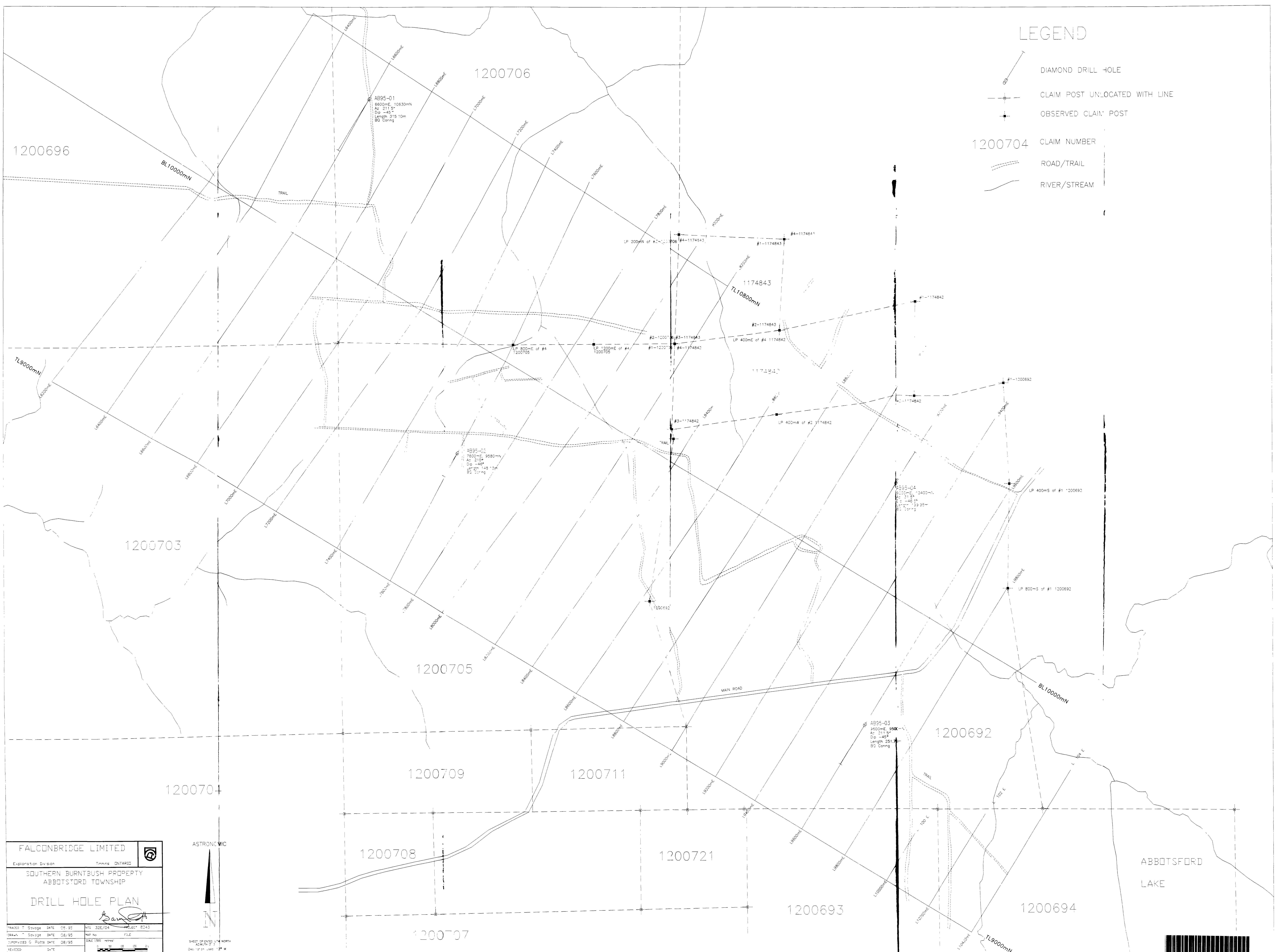
32E04NW0007 W9580 00554 ABBOTSFORD



FALCONBRIDGE LIMITED				
Exploration Division	Timmins ONTARIO			
ABBOTSFORD & CASE TOWNSHIPS				
PROPERTY CLAIM SKETCH				
<i>Kennedy</i>				
PRICED	SEP	DATE 08/93	WTS 238/01	PROJECT 8243
DRAWN	G. POTTS	DATE 11/02/93	SEP No.	FILE
SUPERVISOR	G. POTTS	DATE 08/93		
G. POTTS	DATE 08/93		0 200 400 600 800	

# LEGEND

-  DIAMOND DRILL HOLE
-  CLAIM POST UNLOCATED WITH LINE
-  OBSERVED CLAIM POST
- 1200704** CLAIM NUMBER
-  ROAD/TRAIL
-  RIVER/STREAM



**FALCONBRIDGE LIMITED**

Exploration Division      Mining DIVISION

SOUTHERN BURNTBUSH PROPERTY  
ABBOTSFORD TOWNSHIP

**DRILL HOLE PLAN**

*Signature*

TRACKED / Survey	DATE	08/95	NO	322/04	PROJECT	8243
DRAWN / Survey	DATE	08/95	MAP No		FILE	
SUPERVISED / Potts	DATE	08/95	SCALE	1:500	UNITS	M
REVISED	DATE					

ASTRONOMIC

1:500

0 10 20 30 40

SHEET OF 10 SHEETS NORTH  
AZIMUTH OF 0°

