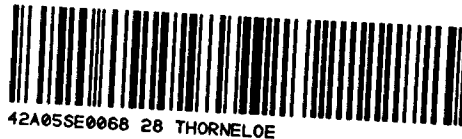


DIAMOND DRILLING



010

Township: Thorneloe

Report No: 28

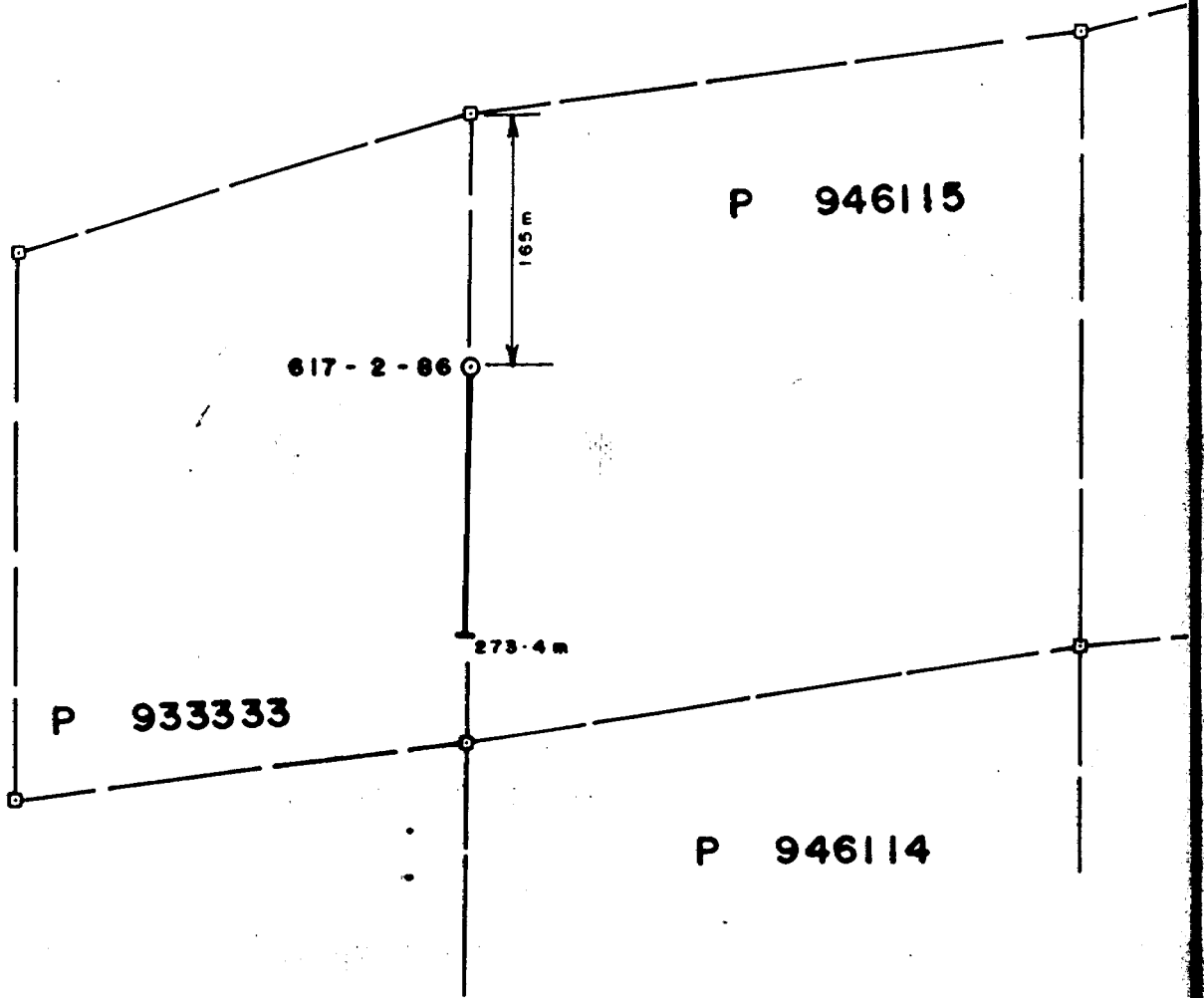
WORK PERFORMED FOR: Falconbridge Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 933333	617-2-86	273.4m	July/86	(1)
P 595030	617-3-86	243.84m	Aug/86	(1)

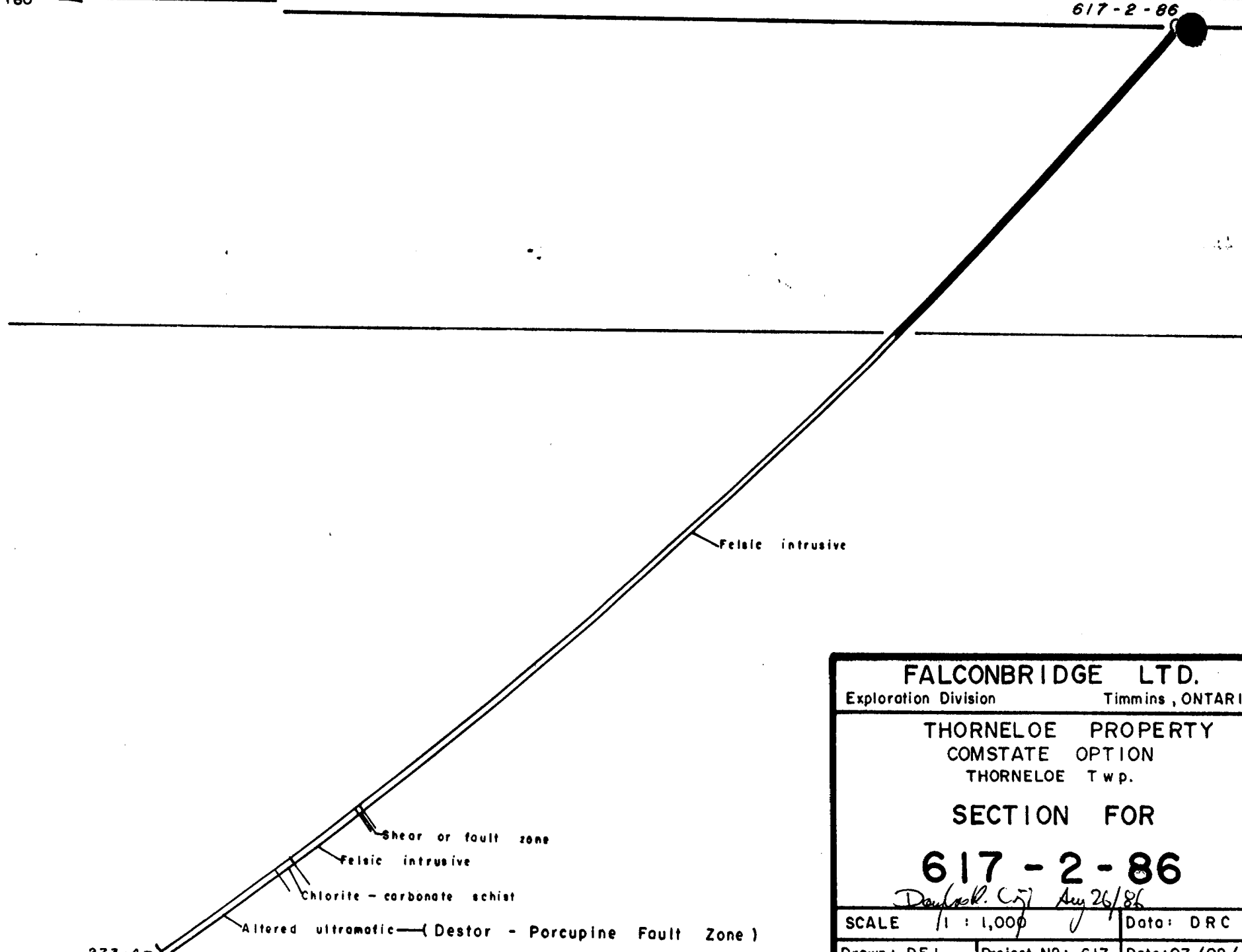
NOTES: (1) #292-86



FALCONBRIDGE LTD.	
Exploration Division	
THORNHURST PROPERTY	
CONSTANT OPTION	
THORNHURST Twp.	
DRILL PLAN	
DDH 617 - 2 - 86	
<i>Doyle R. Co. Aug 26/86</i>	
SCALE: 1 : 5,000	Date: 8/26/86
Drawn: DEL	Project #: 617 Date: 8/26/86

180°

617-2-86



FALCONBRIDGE LTD.		
Exploration Division		Timmins, ONTARIO
THORNELOE PROPERTY COMSTATE OPTION THORNELOE Twp.		
SECTION FOR		
617 - 2 - 86		
<i>Dawson Cr. 57 Aug 26/86</i>		
SCALE	1 : 1,000	Date: DRC
Drawn: DEL	Project NO: 617	Date: 07/08/86

Falconbridge Ltd.

HOLE NO: 617-2-86

PAGE: 1-6

Drilled by: E. Colbert Diamond Drilling
 Started: July 21/86
 Ended: July 28/86

Property: Comstate Option PN617
 Township: Thorneloe Twp
 Logged by: D.R. Cruji

Latitude: L 20 W 4N
 Azimuth: 180°
 Élévation:

Corr.
 Longitude: 91.4m 45°
 Dip: 50° collar 152.4m 43°
 213.4m 37°
 Length: 273.4m 274.3m 35°

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (ppb)			
0	82.6m	Casing								
82.6	242.9m	<p><u>Felsic Intrusive</u> High level felsic intrusive. Consisting of both porphyritic and massive phases. Sections appear to be possibly a calc-alkalic metavolcanic (crystal tuff). Buff to grey colour, fine to medium grained. Moderately silicified. Massive to well foliated. Carbonatized, chloritized (\pm sericite). Occasional 1mm quartz eye.</p> <p>82.6 - 114.3m Porphyritic felsic intrusive, grey (to slightly buff) colour. Fine to medium grained. Well foliated at 50-60° to C.A. Carbonate alteration especially along fractures. Chloritized throughout and along fractures. Seritization variable. Vague altered feldspar phenocrysts 1mm; minor wispy chlorite up to 5mm, paralleling the foliation; and anhedral quartz 1mm. Vuggy, water porous. Trace sulphides Blocky from 82.6 to 105.6m 95.9 - 96.6m Core loss</p> <p>114.3 - 121.4m Porphyritic felsic intrusive pinkish buff coloured, silicified. Pink colour due to potash alteration? Low angle 30-35° to C.A. glassy quartz-potash veinlets. Well foliated at 60° to C.A. Minor wispy chlorite as above. Blocky. No sulphides</p> <p>121.4 - 132.15m Felsic intrusive, fine to medium grained, well foliated at 60° to the C.A. Abundant fractures, often carbogate filled, cross-cutting the foliation at 55 to 70° to C.A.</p> <p>132.15 - 134.62m Porphyritic felsic intrusive. Fine to medium grained, porphyritic texture is more distinct</p>								

ONTARIO GEOLOGICAL SURVEY
 ACQUISITION FILES
 RESEARCH OFFICE
 SEP 30 1985
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HOLE NO: 617-2-86

PAGE: 2-6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ppb			
		than above and below. More massive.								
		134.62 - 141.3m Felsic intrusive. Fine to medium grained, well foliated at 50-55° to the C.A. Strongly carbonated and silicified. Pyrite disseminated and along fractures, 1%								
		137 - 141.3m strongly foliated	9806	137	138	1.0m	30			
		Carbonated and sericite along the foliation.	9807	138	139	1.0m	30/60			
		Pyrite 1%	9808	139	140	1.0m	nil			
			9809	140	141.3	1.3m	nil			
		141.3 - 144.5m Carbonated felsic intrusive. Grey colour. Medium grained, carbonate veinlets and lenses paralleling the foliation, at 60° to the C.A. Strongly, pervasively carbonated. Highly altered, composed of chlorite, carbonate and anhedral quartz. Minor finely disseminated pyrite.								
		142.66 - 142.72m shear, composed of chlorite + carbonate								
		142.82 - 142.9m Shear, as above. Also have small S-folds with the shear.								
		144.51 - 189.8m Felsic intrusive Grey to buff coloured. The texture varies from fine grained and will foliated to medium grained, massive. The foliation is at 55° to the C.A. Thready quartz-carbonate veinlets occur throughout with associate sericite at the contacts and along parallel fractures. Finely disseminated pyrite from nil to 1% near the shears.								
		147.58 - 147.77m Shear, at 55 to 60° to the C.A. Composed of chlorite + carbonate, 1% disseminated pyrite	9810	147.58	147.77	.19m	nil			

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HOLE NO: 617-2-86

PAGE: 3-6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ppb			
		154.6 - 159.1m Porphyry, with biotite and chlorite, after biotite, phenocrysts. Phenocrysts, corroded anhedral to subhedral up to 2mm in size. 176.5 - 186.5m Becoming more massive 188.1 - 188.7m Strongly foliated, carbonated, pyrite 1%	9811	188.1	188.7	.6m	20			
		189.8 - 196.96m Pophyritic felsic intrusive grey-green colour. Phenocrysts make up 20-30% and are predominantly composed of corroded feldspars, 1-2mm in size. Generally massive, but where chlorite laths occur they define a foliation at 60° to the C.A. Carbonate along the foliation No sulphides.								
		196.96 - 206.8m Felsic intrusive with numerous chlorite streaks. Some biotite remains but mostly altered to chlorite. Grey colour, medium grained. Foliation at 60° to the C.A, and is defined by the orientation of the chlorite. Strongly, pervasively carbonated. Thready carbonate - quartz veins. Minor 1% disseminated sulphides. Acicular chlorite fragments up to 4cm x 1½ cm. The larger fragments are predominantly biotite.								
		206.8 - 220.36m Felsic porphyry. Grey-green colour. Fine to medium grained. Generally massive to vaguely foliated at 63° to the C.A. Silicified, especially the finer grained foliated sections. Carbonated predominally, along fractures. Thready carbonate veins at 45° to the C.A. Gradational upper contact, some chlorite streaks to 208.3m. Lower contact sharp. Pyrite disseminated and along fractures.								
		220.36 - 221.47m Quartz feldspar porphyry, dyke. Light grey colour. Medium grained, massive. Strongly, pervasively carbonated. Soft abundant light green chlorite. Sharp contacts, upper at 55°, lower at 60° to the C.A., concordant with the foliation. Minor sulphides at the contacts.								

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HOLE NO: 617-2-86

PAGE: 4-6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ppb			
		221.47 - 225.9m Felsic porphyry, as above from 206.8 - 220.36m. Becoming strongly foliated from 225m down								
		-225.9 - 226.6m Shear/Fault zone at 45-50° to the C.A. Composed of crenulated chlorite + carbonate								
		226.6 - 238.34m Quartz feldspar porphyry. As above from 220.36 to 221.47m. Becoming more strongly foliated. Sheared down the hole	9812	225.9	227.1	1.2m	nil			
		228 - 228.3m Shear zone at 40° to the core axis. Sericite + chlorite + carbonate								
		229.23 - 229.3 Shear zone, 50°								
		231.7 - 232 Shear zone, fine dusty pyrite 2%	9813	231	232	1.0m	nil			
		232.62 - 232.84 Shear Zone	9814	232	233	1.0m	nil			
		233 - 235 Tectonic breccia Subrounded fragments composed predominantly of quartz + chlorite in a sericitic/carbonate/chlorite matrix. The fragments range from <1 cm to 3 cm. Foliation is defined by fragment orientation and matrix, and is at an angle to the shears. Foliation at 40° to the C.A. Minor finely disseminated pyrite. Large chloritic fragment partially replaced by pyrite (+ magnetite) at 234.2								
		235.54 - 235.68m Shear zone	9815	233	234	1.0m	20			
		235.82 - 235.95m Shear zone	9816	234	235	1.0m	nil			
			9817	235	236	1.0m	nil			
			9818	236	237.4	1.4m				
		237.4 - 242.9m Felsic intrusive, possibly a crystal tuff. Buff-grey colour. Fine grained. Several foliations, the predominant being at 55° to the C.A. Composed of chlorite, sericite and pervasively carbonated. Tourmaline needles, <1mm in size at 242m.								
		242.3 - 242.9m Foliation disturbed								
			9819	237.4	238	0.6m	nil			
			9820	238	239	1.0m	10			
			9821	239	240	1.0m	10/10			
			9822	240	241	1.0m	nil			
			9823	241	242	1.0m	nil			
			9824	242	242.9	0.9m	10			

DEC

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HOLE NO: 617-2-86

PAGE: 5-6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ppb			
242.9	246.46	<u>Chlorite - Carbonate Schist, Destor Porcupine Fault.</u> Composed of chlorite + carbonate + sections of identifiable felsic intrusive material. Minor pyrite along the foliation, at 50° to the C.A.	9825	242.9	243.75	0.85m	nil			
		243.75 - 245m Quartz porphyry. Buff to grey colour. Medium grained, initially vague foliation but becomes stronger, at 30° to the C.A. Sericite and chlorite along foliation. Pyrite <1% as cubes and disseminations.	9826	243.75	244.75	1.0m	nil			
		245 - 245.78m Transition Zone, the lower (245.78 - 246.46m) intrusive occurs as thin bands along the foliation in soft altered chlorite carbonate schist. Foliation at 35° to the C.A. Minor pyrite blebs	9827	244.75	245.78	1.03m	nil			
		245.78 - 246.46m Quartz-feldspar porphyry dyke. Pink colour. Medium grained, massive to foliated at 40° to the C.A. The dyke is bleached at the contact. Minor disseminated pyrite. Silicified	9828	245.78	246.46	.68m	nil			
246.46	273.4m	<u>Altered Ultramafic</u> Destor Porcupine Fault Zone Dark blue grey to greenish colour. Soft, greasy feel to the core. Serpentine. Striped appearance due to alternating light and dark bands (carbonate and serpentine). Variably magnetic, from weakly to strongly. Minor carbonate. The foliation is at 60° to the C.A. but is often convoluted.								
		259.84 - 261.3m Intermediate intrusive Composed of approximately 35% chlorite 30% K-spar, 30% plagioclase. Foliation result of light and dark minerals, at 40° to C.A. Mildly magnetic. Gradational upper contact. Sharp lower contact.	9829	259.84	261.3	1.46m	nil			

SRC

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HOLE NO: 617-2-86

PAGE 6 -6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ppb			
		263.52 - 265.02m Felsic Dyke, Granitic. Pink colour. Fine to medium grained. Massive, siliceous. Gradioga altered upper contact at 55°, lower contact at 15-25° to the C.A. and is marked by a quartz potash vein.								
		Magnetic. Minor disseminated pyrite and magnetite	9830	263.52	265.02	1.5m	nil			
			9831	265.02	266	.98m	nil			
			9832	266	267	1.0m	nil			
			9833	267	268	1.0m	nil/10			
			9834	268	269	1.0m	nil			
			9835	269	270	1.0m	nil			
			9836	270	271	1.0m	10			
			9837	271	272	1.0m	nil			
			9838	272	273.4	1.4m	nil			
	273.4	End of Hole								
		Remark: Casing pulled								
			<i>Douglas R.C.</i>		<i>Aug 26/86</i>					

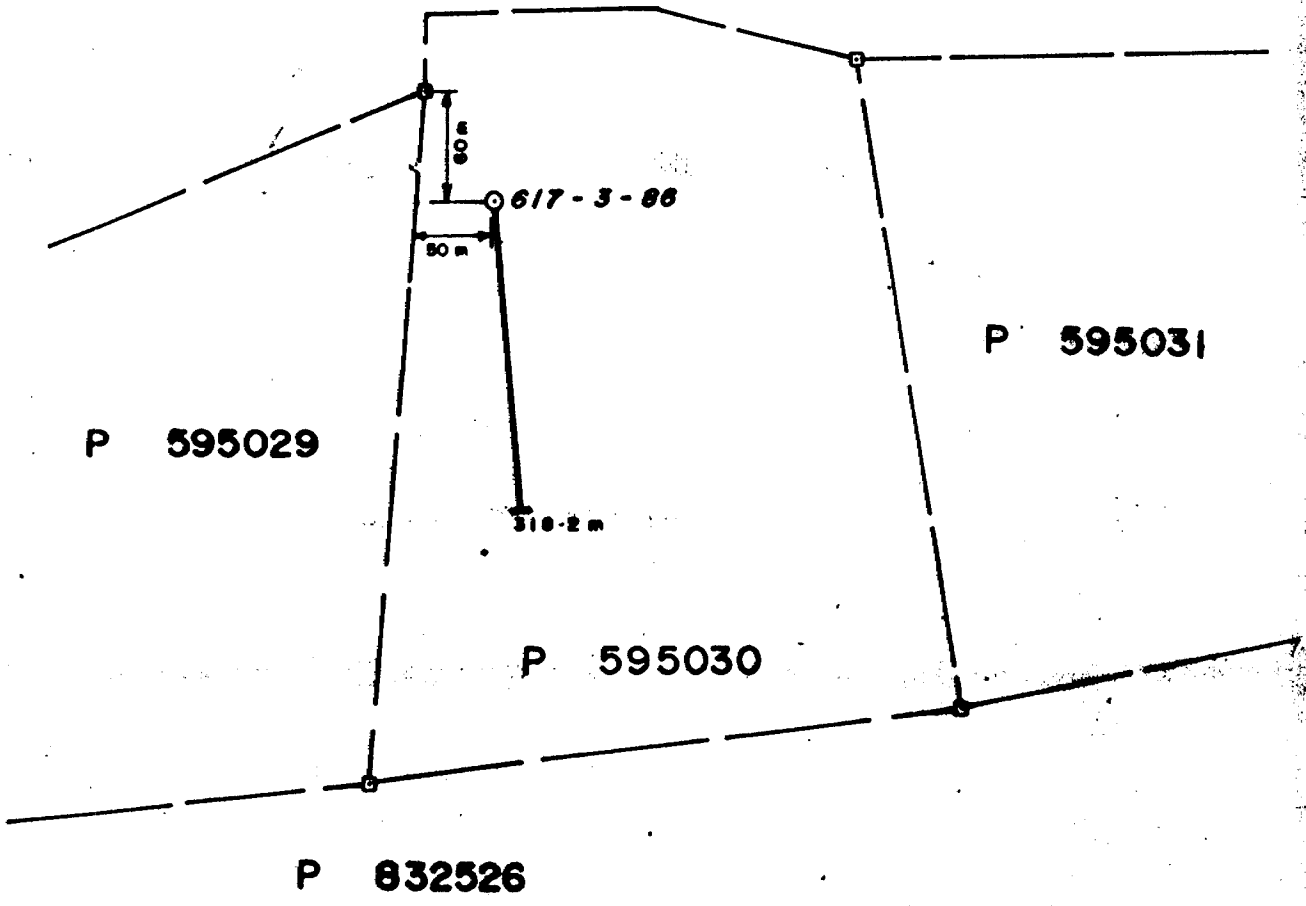
AU GEOCHEMISTRY

Diamond Drill Hole no: 617-2-86

Township: Thorneloe

Log Summary		Geochemistry Sample					
Location (m) From To		Rock type	Sample no.	Location (m) From To		Au (ppb)	Remarks
82.6	246.46	Porphyritic felsic	5514	82.6	96.6	< 1	Composite
		Intrusive	5515	96.6	114.3	< 1	Composite
			5516	114.3	121.4	< 1	Composite
			5517	121.4	132.15	< 1	Composite
			5518	132.15	134.62	< 1	Composite
			5519	134.62	137	2	Composite
				137	141.3		Split
			5520	141.3	144.51	1	Composite
			5521	144.51	154.6	< 1	Composite
			5522	154.6	159.1	< 1	Composite
			5523	159.1	175	< 1	Composite
			5524	175	189.8	2	Composite
			5525	189.8	196.96	< 1	Composite
			5526	196.96	206.8	< 1	Composite
			5527	206.8	220.36	1	Composite
			5528	220.36	221.47	< 1	Composite
			5529	221.47	225.9	< 1	Composite
				225.9	227.1		Split
			5530	227.1	234	2	Composite
				234	242.9		Split
242.9	246.46	Chlorite-carbonate Schist		242.9	246.46		Split
246.46	273.4	Altered Ultramafic	5531	246.46	263.52	< 1	Composite
				263.52	273.4		Split
273.4		End of hole					

Douglas K. G. J.



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ENGINEERS

THUNDERBOLT

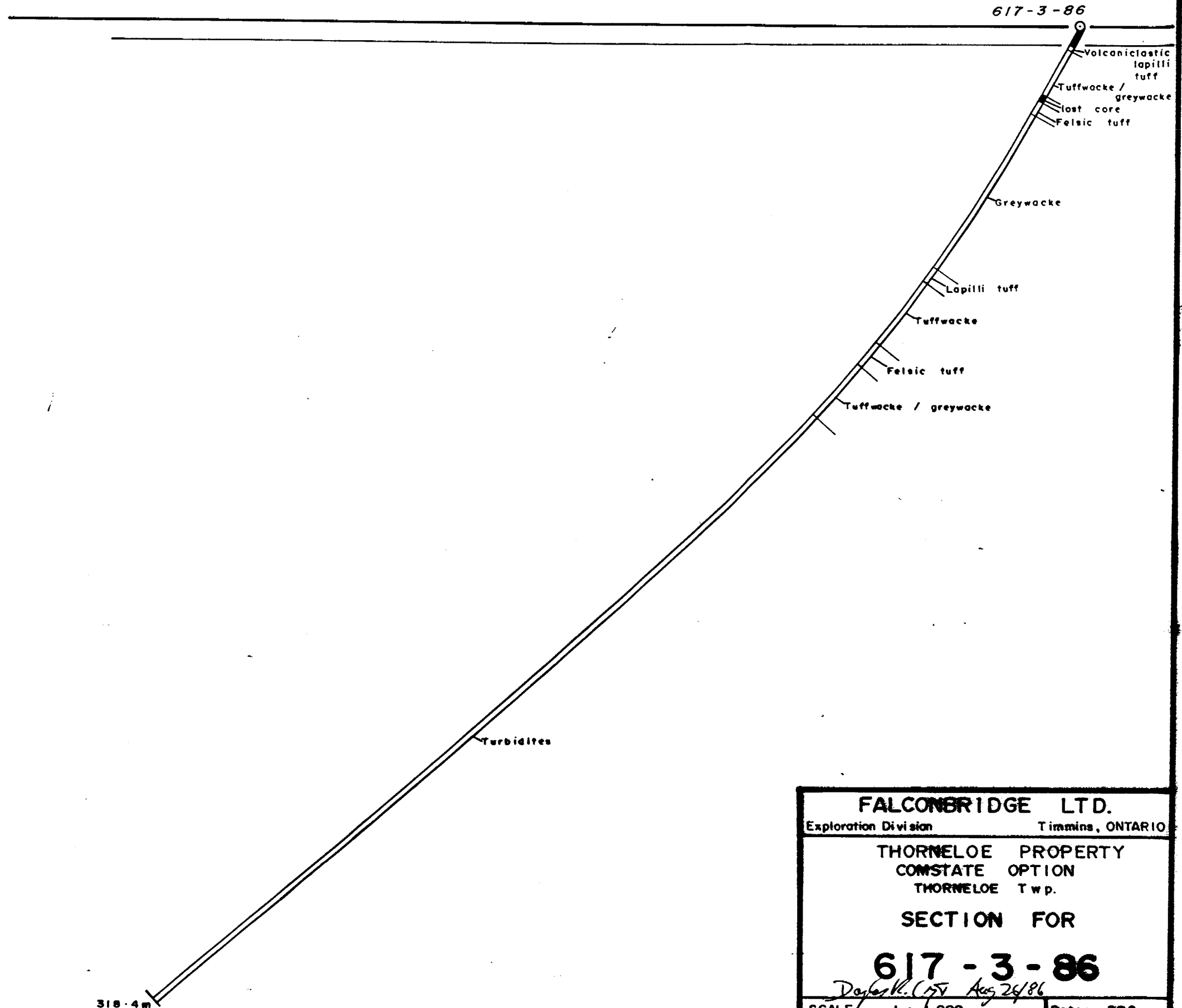
DRILL PLANS

DDH 617 - 3 - 86

D. J. O'Connell

SCALE: 1 : 5,000	DATE: 1986
Drawn: DEL	Project N°: 617

180° ←



FALCONBRIDGE LTD.		
Exploration Division	Timmins, ONTARIO	
THORNELOE PROPERTY COMSTATE OPTION THORNELOE Twp.		
SECTION FOR		
617 - 3 - 86		
<i>D. J. V. (157) Aug 24/86</i>		
SCALE 1 : 1,000	Date: DRC	
Drawn: DEL	Project No: 617	Date: 26 / 08 / 86

Falconbridge Ltd.

HOLE NO: 617-3-86

PAGE: 1

Drilled by: E. Colbert Diamond Drilling

Property: Comstate Option PN 617

Latitude: L20W 13+50N

Longitude:

Corr 60.96m 48°

Started: Aug. 4/86

Township: Thorneloe Twp

Azimuth:

Dip: -50° collar

121.92m 44°

Ended: Aug. 10/86

Logged by: D.R. Cruji

Elevation:

Length:

182.88m 43°

243.84m 41°

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (ppb)			
0	5.2m	Casing								
5.2	6.42m	<u>VOLCANOCLASTIC, LAPILLI TUFF</u> Strongly, deeply weathered. Blocky, broken up core, rusty to buff coloured. The fragments are predominantly quartz in a fine grained (ash?) matrix. Fragments are up to 5mm in size and subangular to subrounded. Moderately siliceous. Foliation at 45° to the C.A.								
6.42	18.5m	<u>TUFFWACKE/GREYWACKE</u> Grey to rusty coloured. Blocky. The unit varies from fine grained, with interlaminated sericite, to dirty gritty greywacke. Soft, easily, scratched. The rusty material (Fe carbonate) is often found in veinlets subparallel to the foliation, having a wormy appearance. The foliation is at 55° to the C.A. The unit is tectonized, with a second fabric at 70° to the C.A. 8.95 - 9.1m Quartz + Fe carbonate vein, at 30° to the C.A. Contains 20% Fe carbonate	9839	8.5	9.5	1.0m	20			
		9.25 - 9.3m Quartz vein, highly fractured with rusty material and chlorite along the fractures								
18.5	20.4m	Core loss								
20.4	23.87m	<u>TUFF</u> Buff to grey colour. The fragments are dominantly quartz, subangular and generally 2-3mm (up to 5mm) in size. The matrix is fine grained, and relatively siliceous. 1-2% finely disseminated pyrite. Massive, but vague foliation at 55-60° to the C.A. 20.4 - 20.6m Rusty weathered section 20.6 - 21.0m Unmineralized quartz vein 90% quartz + bleached host 21.2 - 21.27m quartz lens, minor pyrite	9840 9841 9842 9843	20.4 21.4 22.4 23.4	21.4 22.4 23.4 23.87	1.0m 1.0m 1.0m 0.47m	90 190 240 490			

Falconbridge Ltd.

HOLE NO:617-3-86

PAGE:2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (ppb)			
23.87	67.1m	<p><u>GREYWACKE</u> Varies from dirty, gritty greywacke to fine grained argillite. Light grey to buff colour. Fine grained. Soft due to chlorite and sericite alteration. 1-2% elliptical pyrite blebs, 1-2mm in size. Only minor rusty material along the fractures. Two lineations may sometimes be seen. One appears to be bedding varying around 60° (up to 90°) to C.A. And a second fabric is defined by fractures and elliptical pyrite blebs at 70° to the C.A.</p>								
		23.87 - 26.5m Silicified, epidotized 1-2% pyrite	9844	23.87	25m	1.13m	1720	2090		
		27.75m 1.5 cm unmineralized quartz vein at 50° to the C.A.	9845	25	26m	1.0m	40			
			9846	26	27m	1.0m	10			
		30.1 - 31.2m 2% pyrite blebs								
		30.7 - 30.9m Quartz vein Approximately 75% quartz vein Very irregular contacts, associated silicification and sericitization Pyrite blebs up to 3cm, overall 1-2% pyrite	9847	30.1	31.2	1.1m	790			
		45.0 - 53.5m Dark grey section, higher proportion of chlorite								
		61.0 - 61.2m Silicified, fragmental section. 1-2mm angular quartz fragments in a siliceous matrix. 1-2% pyrite in the matrix								
		65.0 - 67.1m Increasing pyrite 2%. Well foliated, sericite along foliation. Increased quartz especially from 68.9 - 67.1m where 90% quartz	9848	65.1	66.1	1.0m	240			
			9849	66.1	67.1	1.0m	2470	2220		
67.1	71.93m	<p><u>LAPILLI TUFF</u> Very similar to section 20.4 - 23.87m only here the fragments are lapilli size, subhedral quartz fragments up to 5mm. Grey (slightly buff) colour. Massive to vaguely foliated, the foliation is defined by narrow sericitic sections at 65° to the C.A.</p>								

DRC

Falconbridge Ltd.

HOLE NO: 617-3-86

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FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH				
71.93	89.9m	<p>The ground mass appears to be dominantly quartz $\leq 1\text{mm}$ in size. Finely disseminated pyrite 1%. The upper contact from 66.9 to 67.1m is marked by increasing silicification. The lower contact is gradational from 70.38 to 71.9m 70.38 - 71.9m Tuff, finer grained gradational between above and below. Massive. No lapilli sized fragments. Finely disseminated pyrite, 2-3%.</p> <p><u>TUFFWACKE</u> Light grey to buff colour. Fine grained, massive to well foliated at 70° to the C.A. Gritty unsorted material. Interlaminated sericitic, altered tuff. Pyrite occurs along the lamination as elliptical blebs and finely disseminated, accounting for 1-2% total. 80.7 - 81.7m Large 1.5cm pyrite blebs, 2-5% 81.7 - 82.45m Quartz vein, 90% vein with 2-3% pyrite (+ sphalerite) along fractures. The upper contact is sheared and chloritized, at 40° to the C.A. The lower contact is very irregular with angular inclusions of host 82.45 - 83.8m Large, 1cm, pyrite blebs, 2-5% 83.8 - 89.9m Unit becomes more massive, coarser, with less sericite. 89.6 - 89.9m gradational contact</p>	9850	67.1	68	0.9m	250			
			9851	68	69	1.0m	260			
			9852	69	70	1.0m	10			
			9853	70	71	1.0m	160			
			9854	71	71.93	0.93m	300			
89.9	96.15m	<p><u>FELSIC TUFF</u> Grey colour. Massive to vaguely foliated at 60° to the C.A. siliceous, with minor sericite interlaminated. Some large, 5mm, subrounded quartz fragments, but not enough to classify as a lapilli tuff. Generally the fragments are 1mm in size. Finely disseminated sulphides, 1%. Also, pyrite occurs along foliation. Minor 1-2cm quartz veins (and lenses) at 55° to the C.A. Small fractures with dark chlorite smear trend $30-40^\circ$ to the C.A.</p> <p>94.05 - 94.3m Quartz veined section. 30% vein material, fine grained pyrite 1-2%.</p>	9855	80.7	81.7	1.0m	40			
			9856	81.7	82.45	0.75m	310	340		
			9857	82.45	83.8	1.35m	70			
			9858	89.9	91	1.1m	30			
			9859	91	92	1.0m	30			
			9860	92	93	1.0m	130			
			9861	93	94	1.0m	80			

DRC

Falconbridge Ltd.

HOLE NO: 617-3-86

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FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (pph)					
96.15	112.74m	94.45 - 94.5m Unmineralized quartz vein at 55° to the C.A.	9862	94	94.8	0.8m	20					
		94.8 - 95.6m Quartz veins, 65% vein material, minor pyrite (± sphalerite). Upper contact at 30° to C.A., lower contact irregular	9863 9864	94.8 95.6	95.6 96.15	0.8m 0.55m	nil nil					
		<u>TUFFWACKE/GREYWACKE</u> Grey colour, with narrow buff sections. Fine grained, well laminated at 65° to the C.A. Composed of interbedded gritty unsorted greywacke and sericitic argillite. Minor finely disseminated sulphides. Sections disrupted. 96.15 - 101m sericite especially abundant 25-30%	9865 9866 9867 9868 9869	96.15 97 98 99 100	97 98 99 100 101	0.85m 1.0 m 1.0m 1.0m 1.0m	80 50 nil 130 nil					
		99.25 - 99.63m brecciated, silicified sulphides concentrated at the contacts, 2%										
		101 - 112.74m predominantly greywacke 107.3 - 107.7 Felsic porphyry dyke (or felsic tuff). 2-3mm subhedral quartz and feldspar phenocrysts. Massive, siliceous groundmass. Wispy pyrite along fractures at 85° to the C.A. Upper contact 70°, lower 85° to the C.A.	9870	107.3	107.7	0.4m	nil					
		<u>TURBIDITES</u> Interbedded graphitic argillite, siltstone and greywacke Dark grey to black colour. Graded bedding, fining up the hole. Well bedded, laminated at 60° to the C.A. Sections disrupted. Sections not graphitic are siliceous. Minor pyrite as irregular blebs along the laminations. Minor 2-3 cm quartz veins at 60° to the C.A.										
		112.74	318.4m									
				122 - 123.5m siliceous, sericitic, bleached buff coloured section	9871	122	123.5	1.5m	nil			

DJRC

Falconbridge Ltd.

HOLE NO: 617-3-86

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FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ppb			
		136.7 - 137.2m Felsic Tuff Light grey, buff colour. Fine grained, fractures at 65° to the C.A. Pyrite along these fractures, 1-2% Cross-cutting fractures, with pyrite, at 50° to the C.A.	9872	136.7	137.2	0.5m	nil			
		140.04 - 140.4m Quartz vein with sericitic alteration. Approximately 30% vein								
		140.4 - 145.6m Felsic lapilli tuff. Buff grey colour. Massive, subrounded quartz lapilli up to 1cm in size. Matrix 1mm quartz fragments (+ ash). Disseminated pyrite 1-2%. Non mineralized quartz veins, variable orientation								
		145.27 - 145.4m Irregular quartz vein	9873	139.4	140.4	1.0m	10			
			9874	140.4	141.4	1.0m	nil			
		145.4 - 145.6m Altered contact zone. Pale green colour, soft (sericitic), very fine grained, disrupted bedding. 2-5% pyrite blebs	9875	141.4	142.4	1.0m	50			
			9876	142.4	143.4	1.0m	30			
			9877	143.4	144.4	1.0m	70			
			9878	144.4	145.27	0.87m	40			
			9879	145.27	146.3	1.03m	40			
			9880	146.3	147.35	1.05m	210	210		
		146.6 - 147.35m Silicified, sericitic zone. Disrupted, 2-5% pyrite								
		175.4 - 181.37m Abundant sericite. Well laminated at 55 to 60° to the C.A. Small gashes, cross fractures, within the sericitic bands at 45 to 50° to the C.A.	9881	175.4	176.4	1.0m	20			
			9882	176.4	177.4	1.0m	10			
			9883	177.4	178.4	1.0m	nil			
			9884	178.4	179.4	1.0m	nil			
			9885	179.4	180.4	1.0m	30			
			9886	180.4	181.8	1.4m	nil			

DRC

Falconbridge Ltd.

HOLE NO: 617-3-86

PAGE:6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (ppb)			
		181.37 - 225.8m Predominantly greywacke. More massive than 112.74 - 181.37m. Gritty poorly sorted. Minor irregular pink carbonate filling fractures. 202.93-203.17m disrupted pink carbonate (+ quartz) section. Irregular pyrite + sphalerite blebs, 1%. 208.68 - 208.74m quartz vein, dark grey, sheared contacts (with pyrite smeared along shear) 217.1 - 217.43m Elongated graphitic fragments at 60 - 65° to the C.A.	9887	202.8	203.3	0.5m	nil			
		225.8 - 237.7m Predominantly graphitic argillite. Dark grey - black colour. Striped appearance. Well banded at 60° to the C.A. Cross fractures at 65° to the C.A. Irregular anhedral pyrite blebs, some elongated paralleling the lamination; up to 5mm in size.								
		237.7 - 261.2m Grey siltstone; minor, graphite. 1-2' pulses								
		261.2 - 311.4m Turbiditic sequence well developed. Fining up the hole. Narrower pulses, <1'. 285.36 - 285.45m Quartz (carbonate) lens. Pyrite at the contact. 285.81 - 285.86m Irregular quartz vein. Silicified and sericite along foliation at the contacts 1-2mm pyrite blebs.	9888 9889	285.2 286.2	286.2 287.2	1.0m 1.0m	70 nil			
		286.9 - 287.1m quartz vein, 5mm. Bleached angular host inclusions. Sericite + minor pyrite at the contacts.								
		288.3 - 290.4 carbonated, sheared at 50° to the C.A., cross-cutting the lamination. Disrupted. Dark chlorite + sericite in the section.	9890 9891	288.3 289.3	289.3 290.4	1.0m 1.1m	nil nil			
		311.4 - 318.4m Larger 1-2' pulses to the turbiditic sequence. Predominantly grey greywacke/siltstone.								
318.4m		END OF HOLE REMARK: Casing pulled								

MINERALOGICAL SURVEY
ASSESSMENT FILES
RESEARCH CENTRE
SEP 30 1986
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Dayton V. Coji Aug 26/86

AU GEOCHEMISTRY

Diamond Drill Hole no: 617-3-86

Township: Thorneioe

Log Summary			Geochemistry Sample				
Location (m) From To		Rock type	Sample no.	Location (m) From To		Au (ppb)	Remarks
5.2	6.42	Volcanoclastic	5532	5.2	6.42	52	Composite
6.42	18.5	Tuffwacke	5533	6.42	18.5	11	Composite
18.5	20.4	Core Loss					
20.4	23.87	Felsic Tuff		20.4	23.87		Split
23.87	67.1	Greywacke		23.87	27		Split
			5534	27	47.2	11	Composite
			5535	47.2	65.1	16	Composite
				65.1	67.1		Split
67.1	71.93	Lapilli Tuff		67.1	71.93		Split
71.93	89.9	Tuffwacke	5536	71.93	80.7	21	Composite
				80.7	83.8		Split
			5537	83.8	89.9	10	Composite
89.9	96.15	Felsic Tuff		89.9	96.15		Split
96.15	112.74	Tuffwacke/Greywacke		96.15	101		Split
			5538	101	112.74	5	Composite
112.74	318.4	Turbidites	5539	112.74	122	2	Composite
				122	123.5		Split
			5540	123.5	139.4	29	Composite
				139.4	147.35		Split
			5541	147.35	158.3	3	Composite
			5542	158.3	175.4	3	Composite
				175.4	181.4		Split
			5543	181.4	193.54	2	Composite
			5544	193.54	211.1	4	Composite
			5545	211.1	225.8	1	Composite
			5546	225.8	237.7	3	Composite
			5547	237.7	261.2	7	Composite
			5548	261.2	289.3	5	Composite
			5549	290.4	318.4	1	Composite

D. R. C. Jr.



292



42A05SE0068 28 THORNELOE

Mining

900

Name and Address of Recorded Holder
Falconbridge Ltd. *THORNELOE TWP* A-2164/
 P.O. Box 1140, 571 Moneta Avenue, Timmins Ontario P4N 7H9

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <i>1941</i>	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	901590	100	P	946110	100		871714	30
		901591	100		946111	100		871715	10.14
		901592	100		946112	100			
		901593	100		946113	100			
		933333	100		946114	100			
		933334	100		946115	100			
		946108	100		871712	30			
	946109	100		871713	30				

All the work was performed on Mining Claim(s): **P595030, P946115 Thorneloe Twp**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

E. Colbert Diamond Drilling
 167 Lakeshore Lane
 Timmins, Ontario
 P4N 7A1
 264-7529

RECORDED
 SEP - 5 1986

PORCUPINE MINING DIVISION
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 SEP 05 1986

The work was done between July 21 and August 10, 1986.
 Note: 591.6m (1941') 1941 days are being submitted. Using 1500.14 days and the remaining 440.86 days credit are to be held in reserve to be applied to the claims at a later date.

SEP 30 1986
 RECEIVED

Date of Report: **Sept 5/86**
 Recorded Holder or Agent (Signature): *D. R. Cruji*

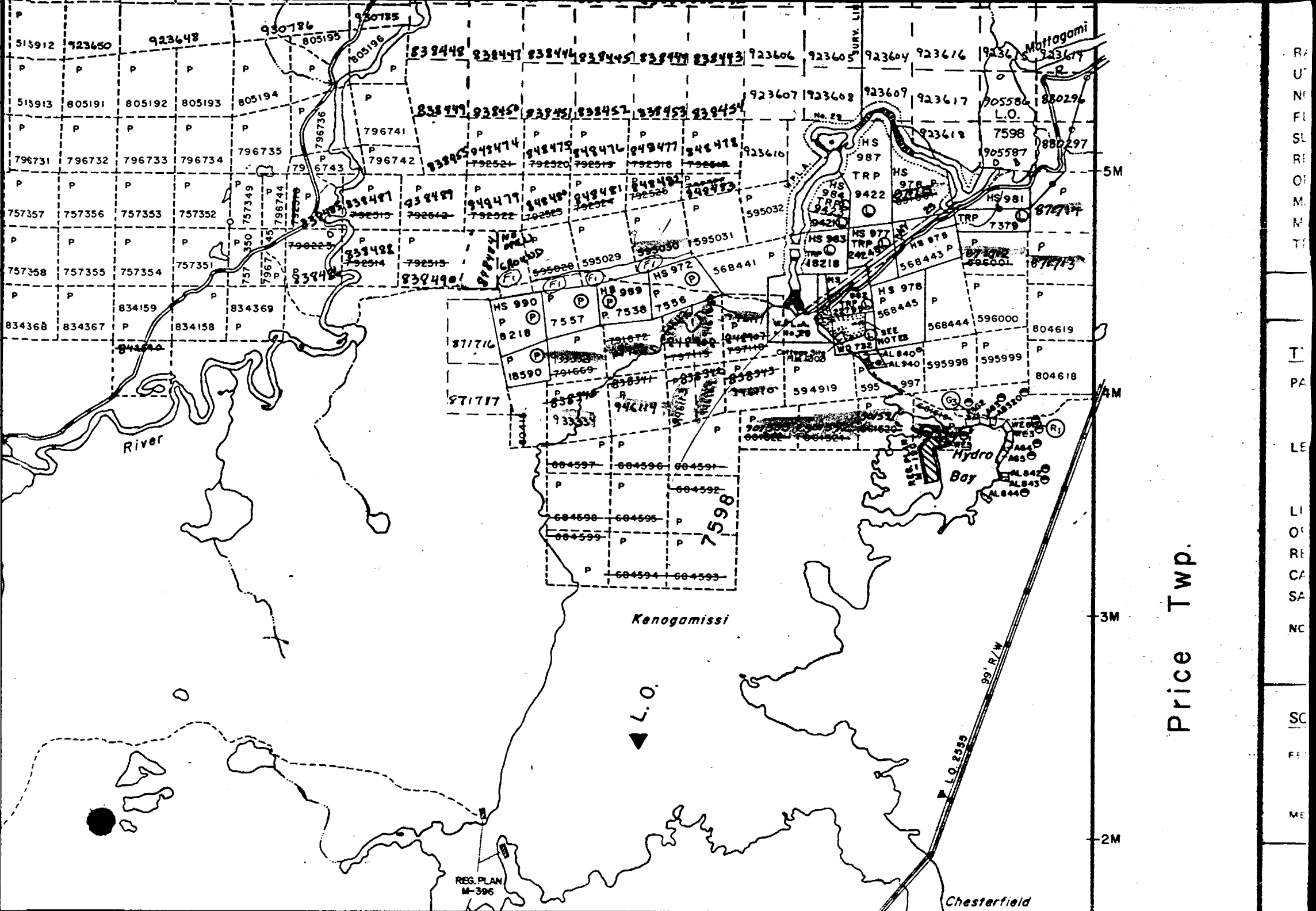
Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
D.R. Cruji P.O. Box 1140, 571 Moneta Avenue
Timmins, Ontario P4N 7H9

Date Certified: **Sept 5/86**
 Certified by (Signature): *D. R. Cruji*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil



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REG. PLAN
M-396

Chesterfield