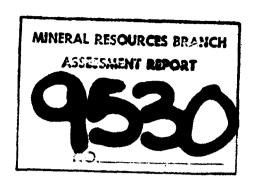
- 9530 ASSESSMENT REPORT TOURM GROUP Fort Steele M. D. Delta, B. C. J. R. Wilson July 16, 1981



#### ASSESSMENT REPORT

TOURM GROUP

FORT STEELE M.D.

NTS 82G/4W 49°04 115°59.

Owner: St. Eugene Mining Corporation Ltd.
Operator: St. Eugene Mining Corporation Ltd.

Author: John R. Wilson

Date Submitted: July 16, 1981.

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#### INTRODUCTION

The Tourm Group of mineral claims consists of TOURM (20 units). TNT (15 units), TOP (10 units) and AME (8 units).

Tourm was staked in 1978. The other claims were staked in 1980.

The property is located approximately eight kilometres east of the town of Yahk, B. C. It covers the top of Mt. Mahon (1912 metres) and extends south to Hawkins Creek (1066 metres). It is accessible by an old logging road that leaves the Hawkins creek road, passes over Mt. Mahon, and enters the Cold creek road.

One vertical BQ diamond drill hole was run to a depth of 154.5 metres on the Tourm claim for lithologic information.

#### GENERAL GEOLOGY

Bedrock geology consists of middle (?) Aldridge formation sedimentary rocks of the Lower Purcell Supergroup (grey quartzites, argillaceous quartzites, siltstones, argillates, and argillaceous siltstones).

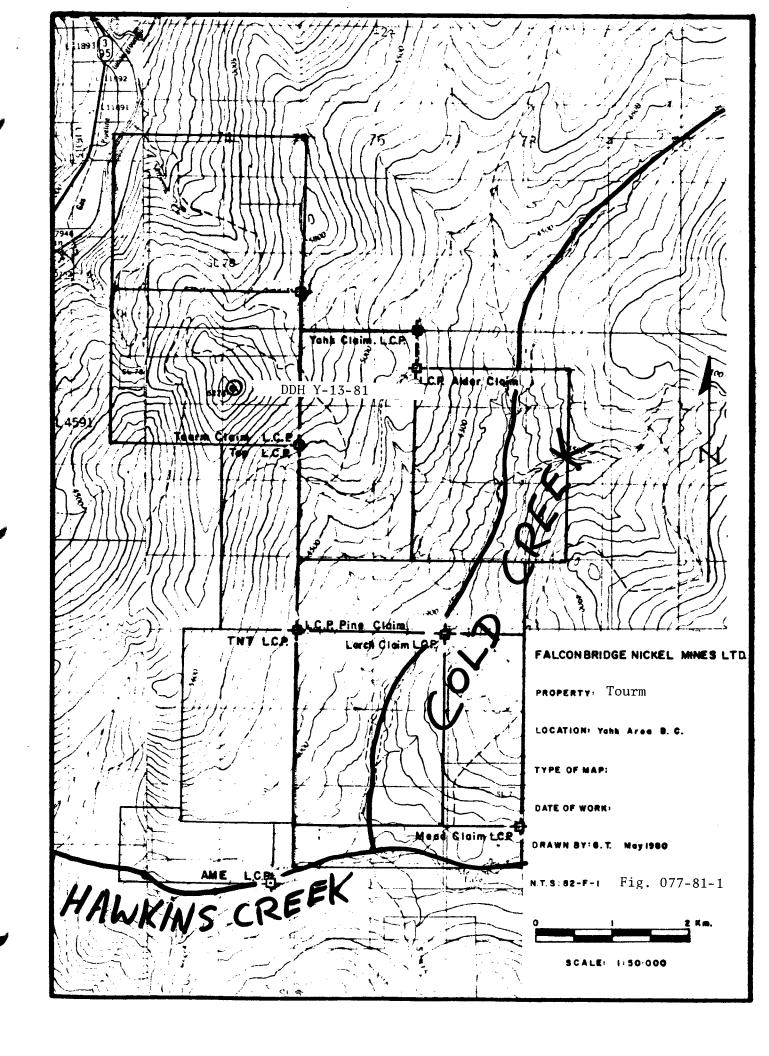
The drill site (on Mt Mahon) is unusual in the district as it has outcrops of very hard tourmaline- rich sedimentary rocks (Tourmalinite).

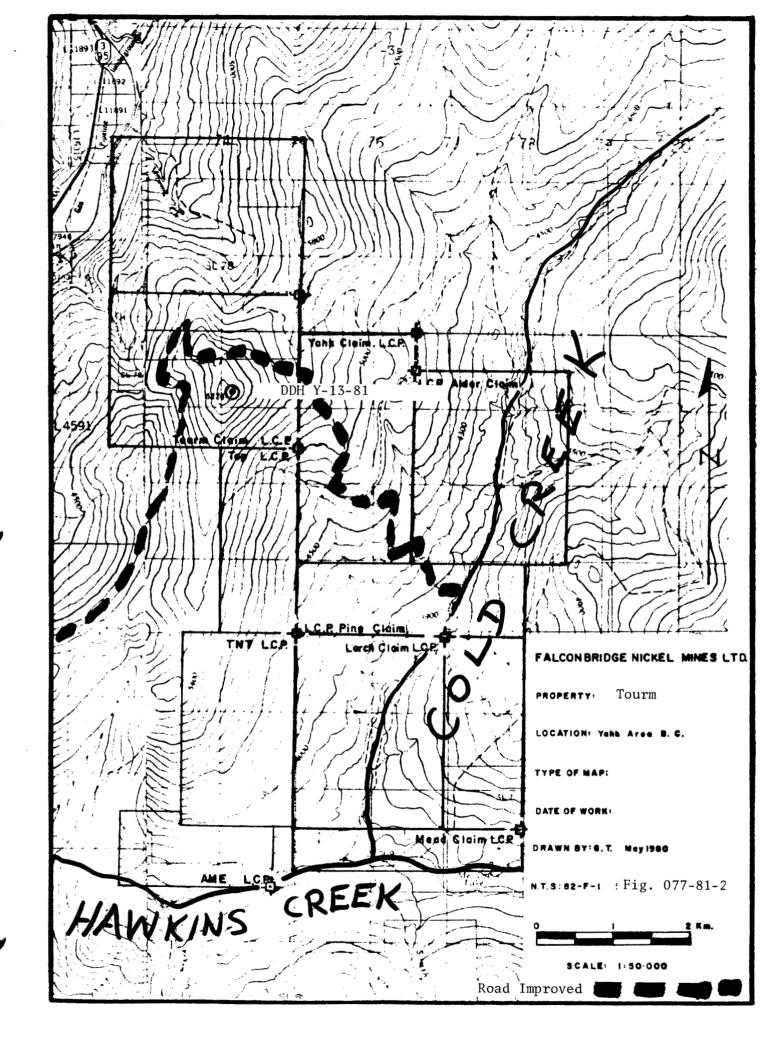
In the drilled area, outcrops exhibit a  $5^{\rm o}$  -  $15^{\rm o}$  north-easterly dip.

Metamorphism and deformation of lithologies is minor.

#### PHYSICAL WORK

Seventeen kilometres of old logging road was improved to allow access by drill and truck. Second growth was cut and a D7 cat cleared brush and repaired some washouts.





UTM 5439220  EAST 574120  ELEV. 6250' (19  BEARING Verti	COMPLETED June 9, 1981 DIAMOND DRILL R		Tourma	To intersect linite beds.	HOLE No. Y-13-81  CLAIM TOUTM  SECTION OFFSET
DIF	DESCRIPTION	SAMPLE	FOOTAGE		PLOTTED
	DESCRIPTION	SAMPLE	POOTAGE	C. L.	
	D. J. Drilling, BBS-1, BQ core casing left in hole	1			
	core stored at Delta Office.				
Metres					
0 - 3.7	Casing		<u>-</u>		
					ļ
3.7 - 62.5	Mostly alternating Q (some garnet patches) & S.	<b></b>		<del> </del>	
	Occ. grading usually parallel. Some contortions.				
	Rare ripup clasts, rounded clasts, lenses. Occ. T?	<del> </del>			
3.7 - 14.0	Weathered near-surface zone. Alternating rusty	1			
	browns and pale grey. Very soft grey - white Q				
	with 1 mm biotite/muscovite specks in places.				
	Massive, no banding but weak mica foliation @ 45°.				
	Mostly broken chips and pebbles.				
14.0- 14.6	Very H. white massive f.g. Q.				
14.6 - 16.8	Broken and pebbles. Mod. H. mass. S. or altered Q.	<u> </u>			
16.8 - 18.0	Sheared, brecciated light grey mass. Q., Qz V. and				
10.0 10.7	rusty frs @ 55°.	<del>                                     </del>			
18.0 - 18.7	a.Q. interlayered w. a.S. 1-3 cm very contorted beds	†			
$     \begin{array}{r}       18.7 - 19.7 \\       \hline       19.7 - 20.1     \end{array} $	Mass. a.Q. contorted interlayered a.Q., a.S., A. A has slight	<del> </del>		<del>        </del>	
13.7 - 20.1	green tinge (chloritic?)	1			
20.1 - 20.9	Mass. Q.				
20.9 - 21.0	Mod. H silty A. sharp parallel contacts @ 700				
21.0 - 21.2	Mass. Q. w. patches of tr. diss. py.				
21.2 - 21.5	(3) thin graded beds. A & S tops dominate the thin			<u> </u>	
	Q base. Tops contorted.				
21.5 - 22.1	GB Top 15 cm S w. parallel A laminae. Base Q, purp	le		<del>                                     </del>	
	tinge.				
22.1 - 22.4	S w. dark, soft, rounded pebble clasts.	ha		<del>     </del>	
22.4 - 23.5	sA and A mod. soft. 2-10 mm laminae parallel, lensi	, b			
	indistinct.	1 I		1 1	

ernating parallel 1 cm beds of vfg medium grey and fg light grey S. Both mod H. s aQ purplish tinge.  ernating 5-15 cm mass. Q and mass S. Indistinct. eds to 10 cm w. ripup clasts, load casts. Patch Tr. diss. py.  ernating 6 to 15 cm sections of mass. Q (some w.							
nd fg light grey S. Both mod H. s aQ purplish tinge. ernating 5-15 cm mass. Q and mass S. Indistinct. eds to 10 cm w. ripup clasts, load casts. Patch Tr. diss. py. ernating 6 to 15 cm sections of mass. Q (some w.							
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ernating 5-15 cm mass. Q and mass S. Indistinct. eds to 10 cm w. ripup clasts, load casts. Patch Tr. diss. py. ernating 6 to 15 cm sections of mass. Q (some w.							.
eds to 10 cm w. ripup clasts, load casts. Patch Tr. diss. py. ernating 6 to 15 cm sections of mass. Q (some w.							
ernating 6 to 15 cm sections of mass. Q (some w.	-		1 1				
ernating 6 to 15 cm sections of mass. Q (some w.	4						
nets) and mass S. Occ. S grading to Q. Usually							
istinct beds.							
torted A & S. Rounded clasts.							
ernating mass aQ to 5 cm & laminated S/A (w. some							
ps) to 25 cm.				İ			,
. 15 cm S top. Mass. aQ base w. some garnet			1				
erlayered 3-20 mm. S and A, sometimes nearly Q.				ŀ			1
allel, clear 70 bedding, rare load cast.							
				1			
	•		+				
				1			
S Q.							
ith laminated A in top 2 am. Dound S alast in							
erlayered 1-3 cm parallel mass. a0, S.							
e laminated A and S. 1-2 mm. parallel @ top							
s. S. nearly O rare 5 cm section of lensed							
, , , , , , , , , , , , , , , , , , , ,							
s. Q., 1 cm angular patch of strong biotite near							
e.							
							7
8 cm interlayered with fine laminated A/S			<u> </u>				
teep. cl. gee e a · tta vomme e e e e e e s 8	orted A & S. Rounded clasts. rnating mass aQ to 5 cm & laminated S/A (w. some s) to 25 cm.  15 cm S top. Mass. aQ base w. some garnet hes.  7 cm laminated S/A top mass. Q base w. patches arnets. Lenses or platy fragments of Q in top of ction. rlayered 3-20 mm. S and A, sometimes nearly Q. llel, clear 70 bedding, rare load cast.  10 cm S with A chips in top.mass. Q base. ly 5-10 mm interlayered parallel, clear S and A sional slight displacements of laminae. Some oluted, lensed bedding. Rare 10 cm S, nearly Q e containing rounded A pebble clasts). cm parallel layers of massive Q, S, sA. Tr. diss 33.7 Q.  th laminated A in top 2 cm. Round S clast in er. Ripup A clasts @ base. rlayered 1-3 cm parallel mass. aQ, S. laminated A and S. 1-2 mm, parallel @ top mm, wavy @ base. S, nearly Q rare 5 cm section of lensed  Q, 1 cm angular patch of strong biotite near . a.S and S bands, some with A/S pebble clasts,	orted A & S. Rounded clasts. rnating mass aQ to 5 cm & laminated S/A (w. some s) to 25 cm.  15 cm S top. Mass. aQ base w. some garnet hes.  7 cm laminated S/A top mass. Q base w. patches arnets. Lenses or platy fragments of Q in top of ction. rlayered 3-20 mm. S and A, sometimes nearly Q. llel, clear 70° bedding, rare load cast.  10 cm S with A chips in top.mass. Q base. ly 5-10 mm interlayered parallel, clear S and A sional slight displacements of laminae. Some oluted, lensed bedding. Rare 10 cm S, nearly Q e containing rounded A pebble clasts). cm parallel layers of massive Q, S, sA. Tr. diss. 33.7 Q.  th laminated A in top 2 cm. Round S clast in er. Ripup A clasts @ base. rlayered 1-3 cm parallel mass. aQ, S. laminated A and S. 1-2 mm, parallel @ top mm, wavy @ base. S, nearly Q rare 5 cm section of lensed Q, 1 cm angular patch of strong biotite near a. a.S and S bands, some with A/S pebble clasts, cm interlayered with fine laminated A/S	orted A & S. 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Rounded clasts. rnating mass aQ to 5 cm & laminated S/A (w. some s) to 25 cm.  15 cm S top. Mass. aQ base w. some garnet hes.  7 cm laminated S/A top mass. Q base w. patches arnets. Lenses or platy fragments of Q in top of ction. rlayered 3-20 mm. S and A, sometimes nearly Q. llel, clear 70 bedding, rare load cast.  10 cm S with A chips in top.mass. Q base. ly 5-10 mm interlayered parallel, clear S and A sional slight displacements of laminae. Some oluted, lensed bedding. Rare 10 cm S, nearly Q e containing rounded A pebble clasts). cm parallel layers of massive Q, S, sA. Tr. diss. 33.7 Q. th laminated A in top 2 cm. Round S clast in er. Ripup A clasts @ base. rlayered 1-3 cm parallel mass. aQ, S. laminated A and S. 1-2 mm, parallel @ top mm, wavy @ base. S, nearly Q rare 5 cm section of lensed  Q, 1 cm angular patch of strong biotite near  a. a. S and S bands, some with A/S pebble clasts, cm interlayered with fine laminated A/S

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SHEET No. \_

HOLE No. Y-13-81 Page 2

F	N	м	1	5	TM	

	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
40.1 - 41.2	Mass. a.Q w. diss. pink garnets and occ. irregular	i						
40.1 - 41.2	biotite rich patch.							
41.2 - 43.7	Laminated A & S			i i				
71.2 70.7	41.2 - 42.2 1-3 mm laminae, parallel indistinct			·   · · · · ·		1		_
	42.2 - 42.5 2-10 mm laminae, parallel, clear					ŀ		
	42.5 - 43.0 2-10 mm laminae, contorted. Tr. diss.	0						_
	43.0 - 43.7 2-10 mm laminae, usually parallel.							
43.7 - 43.9	mass. Q.							
43.9 - 46.0	Interlaminated, clear A & S. Top 30 cm is 2-5 mm,							
,0,0	usually parallel layers. Some lensing, cross bedding One platy Tourmalinite? chip @ 44.2							
	44.2 - 45.4 5-10 mm beds, load casts, lensing, ripur							
	clasts. Tourmalinite chip @ 44.3.					1		
	45.4 - 46.0 1-3 cm parallel beds.							
46.0 - 46.3	G.B. S top, aQ base							
46.3 - 46.8	Alternating 1-3 cm aQ and aS. Possible irregular							
	clasts of aQ in S.							
46.8 - 50.1	Mass. Q and aQ. Patches of pink garnets and patches							
	of black rounded concentrations of biotite to 1 cm	•			1.			
	diameter.							
50.1 - 51.9	Laminated A, sA, S (1-20 mm). Clear parallel beds.							
	Often displaced to 1 cm by 70° slips. Bedding also						Ì	
	70° but not parallel eg.							
51.9 - 52.9	Mass. aQ occ. pink garnets.							
52.9 - 54.6	Interlayered A (1-5 mm) & S (1-3 cm) usually parallel	. ,						
	clear beds. occ. contorted. Round 1 cm T? clast							
	@ 53.6							
54.6 - 57.2	Mass. Q w. dark biotite-rich irregular patches to							
	2cm and occ. pink garnets. Some 2 cm aS layers							
	separating 60 cm Q beds.							
57.2 - 57.4	Q and aS parallel layered contorted, load casts.							
					ŀ			
57.4 - 57.5	Mass. S.			1 1	į.			_

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FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.	 	
57.5 - 57.7	G.B. S top, aQ base					
57.7 - 58.1	Interlayered S, sA, aQ in clear, parallel 2-20 mm			<del></del>	<del> </del>	<del>                                     </del>
5717 5511	layers.					
58.1 - 58.9	15-20 cm mass aQ and 1 cm A/S					
58.9 - 59.1	2-10 mm laminated A/S - lensed and parallel.					
59.1 - 59.2	Mass aQ w. garnet and biotite rich patch.					
59.2 - 59.6	G.B. 2 cm S top. mass aQ base.					
59.6 - 59.9	Parallel and lensed 5-30 mm aS, S					
59.9 - 60.5	Mass. aQ w. garnets					<u> </u>
60.5 - 61.4	Parallel, some lensed aS, S					
61.4 - 62.5	Mass aQ w. garnets.				 	<u> </u>
62.5 - 113.8	Occ. dark grey and black T parallel beds interlayered					
	with garnet aQ and lesser S, Q. Disrupted beds commo					
	near base (rip up clasts, rounded clasts, lenses,					
	contortions).					
62.5 - 62.9	v.H. fg dark grey (possibly weakly tourmalinized)					
02.5 02.5	a.Q. 76° bedding.				+	
62.9 - 63.2	mass. aQ w. pink garnets.					
63.2 - 63.4	v.H- fg dark grey aQ possibly T.				 	
63.4 - 64.0	Mass. 15 cm S top. Parallel laminated (3-10 mm)					
	S, aS @ base.					
64.0 - 64.4	G.B. 3 cm S top. aQ base with irregular dark grey					
	patches containing tr. py.					
64.4 - 64.6	Mass. aQ w. garnets and 1% diss. py.					
64.6 - 65.2	G.B. 16 cm f.g. dark grey v.H. T.? top Coars	er				
	grained typical aQ base w. garnets.					
65.2 - 65.3	Possible T or aQ					
65.3 - 65.6	G.B. aS and aQ				 	
65.6 - 65.8	T?	.				
65.8 - 68.2	Mass. Q w. garnet & biotite rich patches.					
68.2 - 68.6	5-50 mm layers of aQ w. biotite - garnet concretions,					
	vfg dark grey H. T? beds w. load casts, rip up clast	s			 	
(0 ( (0 1	Minor aS showing parallel and lensed beds.					
68.6 - 69.1	Massive aQ w. garnets				 +	+
69.1 - 69.2	5-40 mm bands of light grey Q with 5mm chips of dark					
	grey T? and dark grey vfg H T. Parallel 80° beds.				 	+
(0.0 (0.1	some cross-bedding.	ļ				
69.2 - 69.6	Mass. aQ w. garnets.					+

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FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.			
69.6 - 70.0	med. to dark grey vfg H T? w. platy T? chips, cross						
	bedding, parallel and lensed bedding.					<u> </u>	
70.0 - 70.3	Garnet aQ top grading down to dark grey T?						
70.3 - 71.6	Garnet aQ w. occ 5 cm. T? patch.	<u>-</u>					
71.6 - 71.8	Mass. dark grey vfg mod. H. silty T?						
71.8 - 72.5	Garnet aQ w. occ 3 cm. T.						
72.5 - 75.2	Black vfg T bands to 1 cm and dark grey vfg T bands						
	to 3 cm. Broken rip-up clasts of black T near top.						
	Rare 8 cm garnet aQ. Usually parallel but much load						
	casts, rip up clasts, lensing. Euhedral garnets in sor	e		1		l	
	T beds. 780 bedding.						
75.2 - 78.9	Garnet aQ w. acc 1-3 cm black T bands, some load cast	s,					
	rip up clasts						
78.9 - 80.2	vfg V.H. dark grey T?. Occ. 5-10 mm black T laminae				İ	ļ	
	& rounded pebbles clasts. H white Q laminations at						-
į	base and 5 mm 50 <sup>o</sup> 92V.						
80.2 - 81.2	garnet aQ						
81-2 - 81.7	Grey T. w. Occ. 1 cm rounded black T. clasts. Occ.	Ì				Į	
	1 cm black T layer. Top 5 cm is contorted.						<del></del>
81-7 - 82.0	Garnet aQ			1		l	
82.0 - 82.2	Grey & black T, load casts						<del></del>
82.2 - 83.0	Garnet aQ					İ	
83.0 - 83.2	Garnet aQ and grey T with pebble clasts, load casts,						+
	contorted.						
83.2 - 84.7	Garnet aQ						+
84.7 - 85.0	Grey T and garnet aQ layering Interlaminated T and S as 1-5 mm. parallel 77 <sup>0</sup> layers						
85.0 - 85.2	Occ. T clasts.	•					
85.2 - 85.3	Grey T w. clasts of black T.						
85.3 - 85.4	aS						
85.4 - 85.9	5-20 mm. parallel layers of black and grey T and ligh	t					
00.7	grey Q. Trace py along Q laminae.	-					
85.9 - 86.2	Garnet a0	1					
86.2 - 86.3	Grey T. Top 2 cm contorted.						
86.3 - 89.1	Garnet aQ. Occ. garnet-biotite concretions.						
89.1 - 89.9	Interlayered aQ (to 6 cm) with T clasts Black T to						
	5 cm. Loadcasts and flames of 0 into T. Rounded						
	2 cm T clasts in Q.						
89.9 - 90.6	Garnet aQ as 10 cm beds.						

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FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.			ļ
90.6 - 91.7	Grey aS grading to aQ in places.						
91.7 - 93.6	V.H. grey Q and darker grey T? usually in 8 cm beds.			<del></del>		<b></b>	+
31.7 33.0	Some 5-10 mm laminated and contorted.				}		
93.6 - 94.5	Garnet Q. 1 cm A band @ 94.3						
94.5 - 94.9	1-4 cm banded black T and grey T with 3 cm garnet aQ						
94.9 - 95.5	Garnet aQ.						
95.5 - 95.6	5-10 mm light to dark grey, irregular and ripped up,						
	bands of Q and T.						
95.6 - 95.7	(2) G.B.: S to Q.						<del></del>
95.7 - 95.8	Laminated black T, white Q.						
95.8 - 96.1	G.B.: S to garnet aQ.						
96.1 - 96.8	Grey T and black T and Q interlayered and contorted.						
	Rounded clasts.						
96.8 - 97.0	Garnet aQ.						
97.0 - 97.2	Dark grey T?						
97.2 - 100.1	Mostly garnet aQ with occ. irregular 3-5 cm grey T.	}					
	interlayered w. aS.						<del></del>
100.1 - 102.8	Streaky, indistinct looking beds of black T, grey T,				ļ		
	and aS as 2-20 mm. beds, usually lensed, some cross-						<del></del>
	bedded. Occ. garnets, rip up clasts, slips. 780						
	bedding.						+
102.8 - 105.2	Garnet aQ and garnet Q with (2) 2 cm S layers. Minor	,			1		
	diss. po, py, cpy.						<del></del>
105.2 - 105.4	Parallel 1 cm bands of black T & aQ.						
105.4 - 105.5	Garnet aQ.						
105.5 - 106.1	1-3 cm bands of S, aS and S grading to Q. Parallel						
	and contorted beds.						
106.1 - 106.7	Garnet aQ.	ĺ					
106.7 - 106.8	Laminated S, sA			<del></del>			+
106.8 - 106.9	Garnet aQ.						
106.9 - 107.2	S grading down to garnet aQ.					<b>-</b>	
107.2 - 111.9	Mod. H. mostly interlayered (5-20 mm) S, sA as						
	indistinct beds. Some 4 cm aQ zones w. garnets,						+
	rounded Q clast near top. Lensing, irregular beds						
	common. Platy black T. clasts.75 <sup>8</sup> bedding.	<del></del>					-
111.9 - 113.8	Interlayered black T, grey T, garnet aQ, aQ. Rounded clasts of T. Rip-up clasts, Parallel laminations.	L					
	113.0 - 113.1 rusty qz filled breccia.						
·							

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FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.					]
113.8 - 154.5	Alternating garnet aQ & S. Occ. A, Q, aS. Commonly								
	rip-up clasts, rounded clasts, cross-beds, convolution	ın s					<del> </del>	<del></del>	1
	Rare T. clasts.	,							
113.8 - 116.9	Garnet aQ.					· · · · · · · · · · · · · · · · · · ·			7
116.9 - 120.8	Massive aS to 3 cm interlayered with laminated S, A.		<u>-</u>						╛
	Usually irregular lensed, indistinct bedding. Minor								
	garnet aQ. A rip-up clasts in S at base.								4
	119.2: 1 cm 92 - chlorite vein.								
120.8 - 123.9 123.9 - 133.6	Garnet aQ w. minor 3 cm aS/S layers.			-				-	4
123.9 - 133.6	- Mod. H. interlayered S, A, aS								
	- Massive S to 8 cm.							<del> </del>	-
	- Laminated dark grey aS, black A & grey S. in 2 to								
	20 mm layers, usually indistinct parallel bedding @ 790. Some very contorted zones. Rounded Q and			1				-	1
	T? clasts.								
<del></del>	- Occ. garnet biotite aQ (concretions?).					<del></del>			†
133.6 - 134.1	aQ								
134.1 - 134.4	Parallel fine laminated sA, S for top 3 cm. Garnet			_					15
104.1	aQ base.				İ				'
134.4 - 134.7	Fine banded, indistinct, cross bedded S, aS.								1
134.7 - 135.6	Garnet a0								]
135.6 - 135.8	2 - 5 mm banded, cross bedded S, aS.								1
135.8 - 137.9	H. aQ Occ. garnets.								]
137.9 - 138.9	Alternating 3-40 mm aS, A, minor S. Mod. H. Paralle	1,							
	some disrupted beds.								4
138.9 - 140.3	Massive 10-20 cm aS. Mod H. Indistinct beds. Occ.								1
	garnet rich hard zones (concretions?).								┨
140.3 - 140.6	Primary Q & S breccia. Biotite in fractures.								
140.6 - 140.7	1 cm parallel S, aS layers								4
140.7 - 141.3	Q								
141.3 - 142.3	Banded S, Q some near Q (mod. H) w. garnets. Occ.						<u> </u>	<del> </del>	1
140 7 144 6	minor slips @ 0 - 20° 141.7 - 141.8 primary breccia.								
142.3 - 144.6	aQ some garnets.	<del>-</del>		+				<del> </del>	1
144.6 - 145.4	2-10 mm laminated S & A. Irregular bedding. Rounded							}	
145.4 - 146.2	1 cm clasts, rip up clasts, parallel bedding.  Interlayered 2-5 cm Q, S w. rounded clasts & rip up							-	1
145.4 - 146.2								1	
146.2 - 147.4	clasts & parallel beds. Mass. S, nearly Q. Some garnet zones.				<u>_</u>			<u> </u>	1
147.4 - 147.5	as and garnet aQ.						İ		-
147.5 - 147.6	1 cm banded A, S.							<u> </u>	1
	Page 7						13-81	L	]

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.			
147.6 - 148.4	Interlayered massive S, nearly Q to 10 cm						
	and parallel A/S 5-10 mm layers, some lensing,		· · · · · · · · · · · · · · · · · · ·				
	irregular beds.				 <del> </del>		<u> </u>
148.4 - 149.0	Very irregular A & S laminae (2-10 mm). Lensing	İ					
110 0 170 7	and rip up clasts. 80° bedding.					ļ	ļ
149.0 - 150.5	Interlayered (a)Q (w. occ. garnets) and S (nearly Q)				}		
	to 6 cm. (b) laminated A & S (3-10 mm bands) to 15 cm.			+	 		
	Load casts. Rip up clasts. Very irregular, lensed						
	bedding. Clear. 2 cm angular black T clast @						
	149.9 m.						
150.5 - 152.5	1-10 mm laminated A & S. Clear parallel bedding						
	@ 85°. Some load casts and occ. 6 cm. aS. Rare				 -		ļ
	1 cm angular black T clasts (eg. 150.9 m) Occ. v.					ļ	
152.5 - 154.5	contorted zones.  Mostly aQ. Some garnet biotite zones and rare			+	 		
152.5 - 154.5	convoluted 5 cm S/aS.						
	convoluted 5 cm 5/45.				 		
							:
	END OF HOLE		· · · · · · · · · · · · · · · · · · ·				
	Magnetic Susceptibility tested by Scintex SM 5 showe	i					
	0.0 X 10 <sup>-3</sup> cgs throughout.				 		
	Core recovery						
	3.7 - 6.1 metres 80%		· · · · · · · · · · · · · · · · · · ·				
	6.1 - 9.1 metres 70%						
	9.1 - 12.2 metres 80%						
	12.2 - 15.2 metres 60%						
	15.2 - 18.3 metres 45%					!	
	18.3 - 154.5 metres 100%			<b></b>	 		ļ
							İ
					 		<del> </del>

## ABBREVIATIONS

T	Tourmalinite
s	silty
a	argillaceous
arg.Q(a.Q.)	argillaceous quartzite
Q	quartzite
A	argillite
S	siltstone
diss.	disseminated
qz. v.	quartz vein
py.	pyrite
occ.	occasional
Tr.	trace
dia.	diameter
qz.	quartz
v.f.g.	very fine grained
po.	pyrrhotite
f.g.	fine grained
calc.	calcite
cpy.	chalcopyrite
m.g.	med. grained
c.g.	coarse grained
fr.	fracture
Н.	hard
mod.	moderate
med.	medium
W •	with
@	at
G.B.	graded bed
mass.	massive
bi	biotite
gar.	garnet.

### STATEMENT OF COSTS

Physical Physical	Work
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Improving 17 km of old logging road	
25 May 1 man @ \$100.00 chainsawing	100.00
26-27 May D7 cat 19 hrs @ \$50.00/hr	950.00
Total Phsical Work	1050.00
Diamond Drilling	
Proportion of original mobilization of drill	
and drillers from Midway, B. C. (May 7)	158.99
Proportion of final demobilization of drill	
and drillers to Vancouver (June 12)	690.36
Demobilizing D7 cat to Cranbrook (June 12)	147.75
D7 cat skidding drill to site (June 6 and 7)	
15 hrs @ \$50.00/hr	750.00
D7 cat skidding drill down road after drilling	
(June 10 and 11) 13 hrs @ \$50.00/hr	650.00
Drilling costs (June 7-9)	10,606.97
Labor while drilling, moving to site, moving out	
standby (June 6-12) 108 hrs @ \$19.00/hr	2,052.00
Room and Board 4 men, 6 days @ 44.25 per man day	
(June 6-12)	1,062.00
Supervision and core logging 1 man, 4 days @	
\$110.00/day	440.00
Room and Board 1 man, 4 days @ \$20.00/day	80.00
Truck expenses 4 days @ \$30.00/day	120.00
Report writing, typing, prints, assembly	180.00
Total Drilling	16,938.07
Total physical work and drilling	17,988.07

John R. Wilson



#### FALCONBRIDGE NICKEL MINES LIMITED

6415 - 64th Street, Delta, B.C., Canada V4K 3N3

Tel. (604) 946-0441
Telex 04-53245

#### STATEMENT OF QUALIFICATIONS

Mining Recorder

Department of Energy, Mines and
Petroleum Resources
411, Douglas Building
Victoria, B. C.
V8V 1X4

Dear Sir:

Mr. John R. Wilson graduated from the University of British Columbia in 1972 with a B. Sc. (honours geology) and has worked for the Falconbridge Nickel Mines group of companies as an exploration geologist since graduation.

Yours truly

J. R. Wilson.

In R We

