

6152

REPORT ON PERCUSSION DRILLING

ON

MINERAL CLAIMS: Mineral Hill, Record No. 206 (1)

Mineral Hill A, Record No. 397 (8)

Mineral Hill B, Record No. 398 (8)

Located Near Houston, B. C.; 93L/10E

54° 31' N, 126° 43½' W

Omineca Mining Division

Owned By: GRANBY MINING CORPORATION

Report By: W. J. WILKINSON, B.Sc.

January, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO.

6152

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INTRODUCTION

The Mineral Hill prospect, located approximately 8 miles north of Houston, B. C., about 1½ miles east of Highway 16, was optioned by Granby Mining Corporation from P. J. Huber of Teikwa in January, 1976.

WORK PROGRAM

Work on necessary access roads was begun in late May, but was hampered by muddy conditions due to an unusually late snow melt. Bulldozers were used for short periods in May, July and August for access construction and drill site preparation. Two Granby employees worked on access preparation and slashing along the roadway, as well as on drilling supervision and sampling, at irregular intervals throughout the period May 18 - October 28 (see Appendix II).

2,240' of percussion drilling was completed in 12 vertical holes drilled to a maximum depth of 200'. Holes M-1 through M-7 were drilled in the period July 30 - August 5, and holes M-8 through M-12 were drilled in the period September 22-24.

Casing was driven into bedrock until clear water return with no water loss indicated that there was no danger of sample contamination. Samples were taken at 10' intervals, and were reduced to a 5-7 pound sample (after drying) by a conventional power-driven splitter.

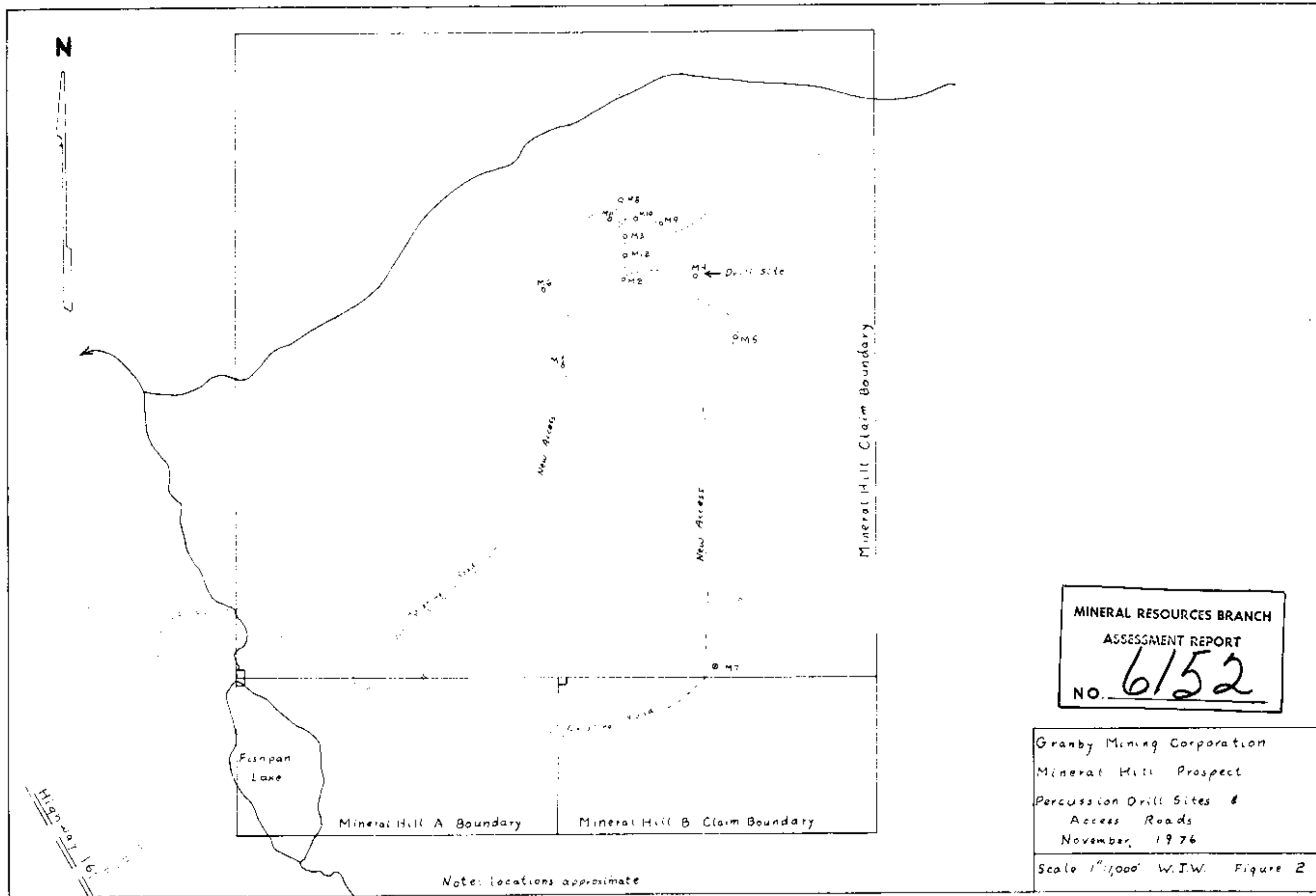
Samples were examined visually, and where appreciable amounts of molybdenite were present, all samples from the hole were sent for assay. All samples from holes 1, 2, 3, 6, 9, 10, 11, 12 were assayed.

RESULTS OF PERCUSSION DRILL PROGRAM

Low grade molybdenite intersections were found in most percussion holes, but only in hole M-3 were results definitely encouraging (0.30% $\text{MoS}_2/60'$, or 0.18% $\text{MoS}_2/110'$).

A set of logs of the percussion drill holes, complete with assay data, is enclosed as Appendix I. Two rock types which correlate with rocks known to occur near the totally overburden-covered area which was drilled, are inferred from the percussion sample chips. Hornfels is present as an aphanitic, dark grey rock. Quartz breccia is inferred from samples containing sub-equal amounts of hornfels and quartz chips; a quartz breccia occurs in a large zone west of the area explored, and is composed of angular fragments of hornfelsed volcanic and sedimentary rocks in an abundant quartz matrix.

Within the area explored, there is a central zone of quartz breccia, in sub-outcrop, overlain to east and west by a thin hornfels capping. The quartz breccia appears to represent the shatter zone over an intrusive body. Molybdenite mineralization is confined almost exclusively to this quartz breccia.

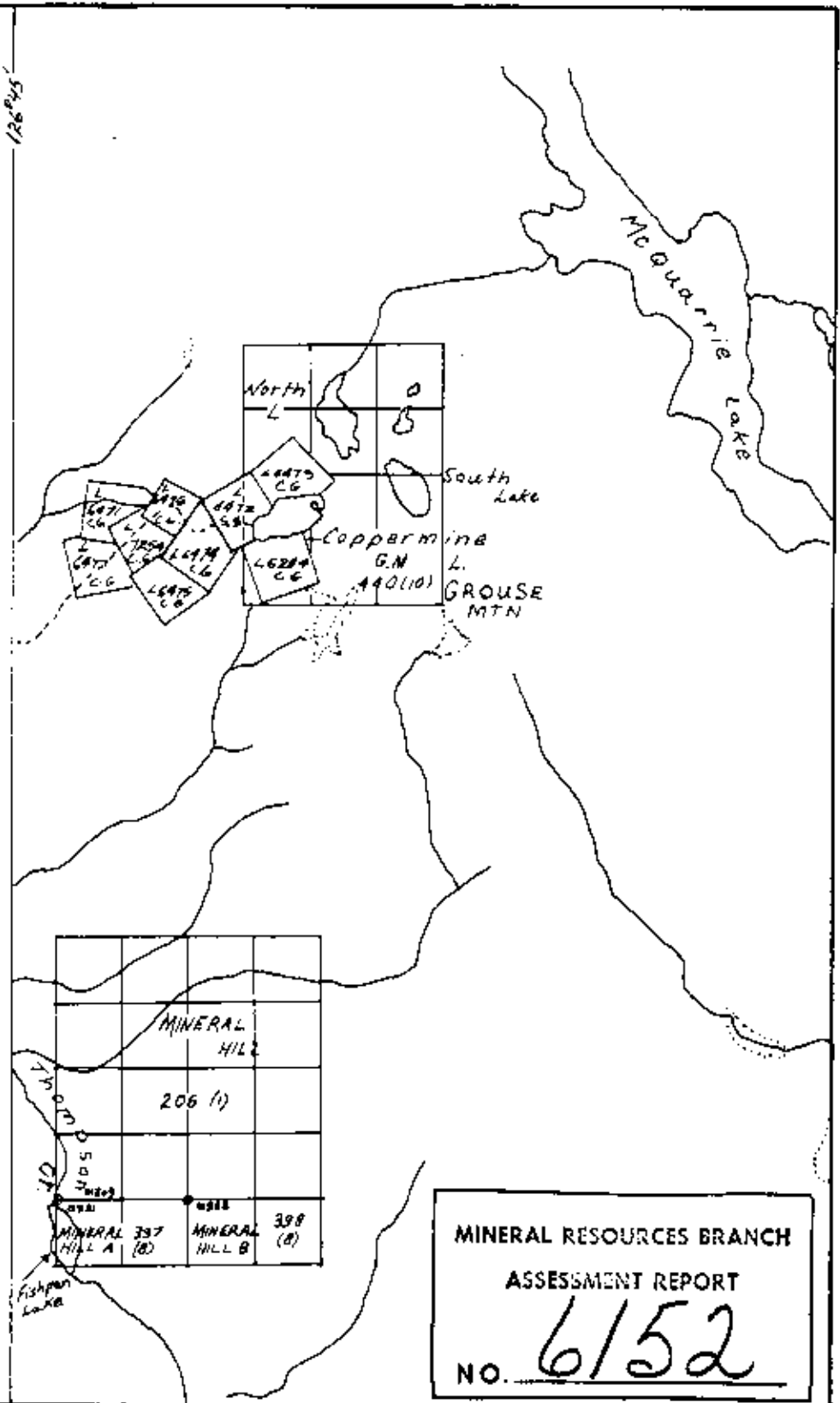




126°45'

126°45'

54°30'



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6152**

GRANBY MINING CORP.
MINERAL HILL PROP.
SCALE: 1:50,000
LOCATION MAP FIG. 1
JAN. 1977 L.B.W.

CONCLUSIONS

Percussion drilling has yielded one significant molybdenite intersection (in hole M-3), but nearby holes have not intersected molybdenite of comparable grade. Further exploration in this area would require diamond drilling to test for improved molybdenite grades at greater depth, and to obtain more definitive geological information.

W J Wilkinson



APPENDIX I

Percussion sample logs, with assays, for ~~drill~~
drill holes M-1 through M-12.

THE GRANBY MINING CO. LTD.
PERCUSSION DRILL LOG

PROPERTY Mineral Hill CLAIM Mineral Hill

LATITUDE	BEARING	Hole No. <u>M-1 1/2</u>
DEPARTURE	SLOPE <u>-90°</u>	HOLE DIAM. <u>2"</u>
ELEVATION <u>3118</u>	LENGTH <u>150'</u>	DATE <u>July 30, 1976</u>

LOG OF COARSE CUTTINGS		SAMPLES					
FROM	TO	DESCRIPTION	FROM TO	TAB NO.	% $\frac{100\%}{100\%}$	Avg.	WT. CUT.
0	30	Overburden (clay)	30-40		0.007		
30	40	Hornfels mostly aphanitic, dark grey rock chips. Some quartz (2%), e-py, py; some some epidote, magnetite, calcite (5% plus)					
40	50	Same	40-50		0.008		
50	60	" ; hematite present, magnetite content higher	50-60		0.008		
60	70	" as 50-60; little MnS ₂ present	60-70		0.051		
70	80	" ; no MnS ₂ seen	70-80		0.010		
80	90	Quartz Breccia (?) hornfels chips and large qtz chip in about equal amounts; MnS ₂ , little ep in quartz; pyrite very plentiful, mostly as broken grains in finer sizes (80%); calcite present; little or no epidote, very minor magnetite	80-90		0.047		
90	100	Q. B. as 80-90; only minor MnS ₂ , trace ep less py (~5%)	90-100		0.056		
100	110	Q.B.? or hf - hf chips predominant over quartz; MnS ₂ , ep present in small amounts; py ~5% (3?)	100-110		0.029		
110	120	Q.B.? hf: qtz ~3:1; py 5-6%; MnS ₂ present, closely associated with py grains in some instances.	110-120		0.037		

LOGGED BY M. J. Wilkinson

HOLE NO. M1

THE GRANBY MINING CO. LTD.
PERCUSSION DRILL LOG

PROPERTY Mineral Hill CLAIM _____

LATITUDE	BEARING	Hole No. <u>M1 - (2)/2</u>
DEPARTURE	SLOPE	HOLE DIAM.
ELEVATION	LENGTH	DATE

LOG OF COARSE CUTTINGS		SAMPLES					
FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% CU	AVG.	WT. CUT.
120-	130	Q13 - Af: qtz ~ 3%, py ~ 2%, Ms ₂ more prevalent, minor cp; minor calcite, also gypsum	120-130	0.087			
130-	140	ditto, but only little Ms ₂ , no cp seen in sample	130-140	0.015			
140-	150	" " " " , trace cp; little hematite	140-150	0.015			
150' - Bottom of Hole - Casing							

LOGGED BY W. J. Wilkinson HOLE NO. M1

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY	Mineral Hill	CLAIM	Mineral Hill
LATITUDE		BEARING	—
DEPARTURE		SLOPE	-90°
ELEVATION	3234	LENGTH	150'
		Hole No.	M-2 (1/2)
		HOLE DIAM.	2"
		DATE	July 31, 1976

LOG OF COARSE CUTTINGS		SAMPLES					
FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% P.P.S. P.P.S.	AVG.	WT. CUT.
0	60	Overburden					
60	70	Hornfels: dk. grey aphanitic grains predominant, 5-10% qtz; epidote, chlorite, effervesces on soap grains, gypsum (doesn't efferv.), yellowish stain yttrian oxide clinomite on several fragments; very fine MoS ₂ in small grains and within larger qtz grains. Not much pyrite. Bedrock in interval 60-70, or contamination, as see occasional rounded pebble.	60-70		0.017		
70	80	HF same; one ep grain visible	70-80		0.011		
"	"	sampled " same more epidote, much more chlorite					
80	90	" same, but less " "	80-90		0.017		
		very little MoS ₂ visible					
90	100	Qtz Bx: h f: qtz ~ 1:1; epidote, chlorite, calcite (gypsum) all several %; MoS ₂ present, but extremely finely dissem in quartz; little py ~ 1% chloritized biotite present.	90-100		0.018		
100	110	QB: same - also few grains black biotite - more fine flakes MoS ₂ visible, py ~ 3%	100-110		0.023		
110	120	HF: dark grey, aphanitic rock chips predominant, about 20% v. quartz-feldspar - epidote-chlorite-calcite-gypsum Only few flakes MoS ₂ , trace ep; 1-2% py, 1-2% magnetite.	110-120		0.011		

LOGGED BY

W. Wilkinson

HOLE NO. M2

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY	Mineral Hill	CLAIM	Mineral Hill
LATITUDE		BEARING	—
DEPARTURE		SLOPE	-90°
ELEVATION	3220	LENGTH	200'
		Hole No.	M 3
		HOLE DIAM.	1 1/2"
		DATE	July 31, 1976

LOG OF COARSE CUTTINGS		SAMPLES			
FROM TO	DESCRIPTION	FROM TO	TAG NO.	% MoS ₂	AVG. WT. CUT.
0-30	Overburden (clay)				
30-40	Qtz Breccia: ^{hf: gte} gte: hf fragments ~1:1	30-40		0.025	
40-50	Qz 13. hf: gte ~ 3:2; large particles MoS ₂ ; otherwise like 30-40	40-50		0.067	
50-60	Qz as 40-50; less MoS ₂	50-60		0.016	
60-70	" ; (few fcc grains)	60-70		0.051	
70-80	" ; more MoS ₂ (sample is more fines-rich than 30-70; many fine flakes of MoS ₂ , small fine particles, and Mo in gte.	70-80		0.042	
80-90	" ; MoS ₂ as in 70-80; Xue magnetite assoc'd. with chlorid, epidotid fragments	80-90		0.29	
90-100	" ; very little MoS ₂ seen; trace ep; platid magnetite	90-100		0.019	
100-110	" ; MoS ₂ relatively plentiful; one large MoS ₂ grain carries fine sp (dissem?)	100-110		0.34	
110-120	" ; MoS ₂ less visible but still fairly plentiful assoc'n with pyrite - see MoS ₂ dipid.	110-120		0.45	
120-130	on perim of py xtals	120-130		0.44	
130-140		130-140		0.25	
140-150	" : as 110-120	140-150		0.067	
150-160	" : as 110' on, possibly less MoS ₂ , little ep seen with py	150-160		0.049	

LOGGED BY

R. M. Johnson

HOLE NO.

M 3

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

 PROPERTY Mineral Hill

CLAIM _____

LATITUDE _____

BEARING _____

 Hole No. M3 - 2

DEPARTURE _____

SLOPE _____

 HOLE DIAM. 2 1/2

ELEVATION _____

LENGTH _____

DATE _____

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% $\frac{wt}{\%}$	AVG.	WT. CUT.
160	200	Quartz Breccia? No S ₂ as in 150-160, no sp seen. Quartz content gradually decreasing downwards (22.0% - 30% 170-200)	160-170		0.074		
			170-180		0.063		
			180-190		0.034		
			190-200		0.032		
		200' Bottom of Hole					

 LOGGED BY H. Wilkinson

 HOLE NO. M3

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY Mineral Hill

CLAIM Mineral Hill

LATITUDE

BEARING

Hole No. M 4

DEPARTURE

SLOPE

-90°

HOLE DIAM. 2"

ELEVATION

3417

LENGTH

200'

DATE

August 1, 1976

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% CU	AVG.	WT. CUT.
0	10	Over burden					
10	20	Hornfels: predominantly black, aphanitic chips of hornfels, with plentiful quartz, epidote, calcite (gypsum?). Some hematite grains by 2-3%. Traces of MnS ₂					
20	30	Hornfels, as (10-20). Very minor magnetite.					
30	200	Strongly altered zone: hornfels chips 10-30%, remainder qtz, epidote, calcite; some chlorite & sericite alter'n; minor magnetite by 2-3%. Minor quantity MnS ₂ , limonite grains 130-140 extremely fine gr. MnS ₂ in qtz grains. Suby. red coatings of (hematite?) on some grains. 150-160 several large grains MnS ₂ 130-160 epidote content decreasing 160-200 little or no epidote; predominantly light & dark quartz grains, with highly altered (chlorite, sericite) hornfels chips present ~ 10% 170-200 Several small MnS ₂ grains visible					

LOGGED BY

J. J. Johnson

HOLE NO.

M 4

THE GRANBY MINING CO. LTD.
PERCUSSION DRILL LOG

PROPERTY Mineral Hill

CLAIM Mineral Hill

LATITUDE

BEARING

Hole No. M5

DEPARTURE

SLOPE

- 90°

HOLE DIAM. 2"

ELEVATION

3516

LENGTH

150'

DATE August 2, 1976

LOG OF COARSE CUTTINGS

SAMPLES

FROM TO

DESCRIPTION

FROM TO

TAB NO.

% MoS_2

AVG.

WT. CUT.

0-10

Casing

10-30

Hornfels: aphanitic, dark grey rock; qtz, calcite, magnetite present; some pyrite; little MoS_2 in quartz grains; limonite plentiful

30-50

Hornfels: as above, but more quartz grains (about 15%), epidote, ^{chlorite} (minor). Fine flecks & minute stringers of MoS_2 in qtz grains.

50-60

Hornfels: as (30-50), but limonite much reduced; slight increase in MoS_2 , traces chalc. pyrite visible.

60-70

Hornfels: as (50-60); some grains of altered rock (pink feldspar (?), chlorite), cut by fine gl. veins.

70-150

Quartz Breccia: hornfels qtz grains ^{2/3}; epidote & chlorite abundant, py = 1%, very little MoS_2 , no cp seen

100-150 - grains of epidote - (albite?) - magnetite except plentiful, pyrite sparse (much less than K 2)

LOGGED BY

J. Wilkinson

HOLE NO.

M5

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY Mineral Hill CLAIM Mineral Hill

LATITUDE	BEARING	Hole No.
DEPARTURE	SLOPE	HOLE DIAM.
ELEVATION	LENGTH	DATE

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG No.	% $\frac{60}{50}$	AVG.	WT. CUT.
0	50	Overburden					
50	60	Hornfels: aphanitic, dark grey rock with fairly abundant qtz, epidote; magnetite; some calcite; 1-2% py; few flecks MoS ₂	50-60		0.012		
60	70	Hornfels: same as above	60-70		0.013		
70	80	" : " : " : " : but appreciable MoS ₂ in flecks & grains; very fine gr., bright red mineral (hematite?) on some fr. surfaces & within qtz-ep. grains (veinlets?)	70-80		0.008		
80	90	" : " : " : " : but appreciable MoS ₂ in flecks & grains; very fine gr., bright red mineral (hematite?) on some fr. surfaces & within qtz-ep. grains (veinlets?)	80-90		0.012		
90	100	Hornfels: same as above; small magnetite blebs in hf; less MoS ₂ (some in qtz grains)	90-100		0.007		
100	110	Hornfels: same; fine MoS ₂ dissemin and stringers in qtz grains	100-110		0.012		
110	120	Hornfels: Same	110-120		0.009		
120	130	" : " : qtz content ~ 2% py ~ 1/2%	120-130		0.010		
130	140	" : " : " : MoS ₂ visible on qtz grains with green chlorite alteration	130-140		0.017		
140	150	Hornfels, as above: MoS ₂ present as fine grains in quartz & minute free flecks. Epidote, calcite, magnetite present in amounts. Green alteration of grains. Some hematite? Fine sericite.	140-150		0.069		

LOGGED BY M. J. Williamson

HOLE NO. M 6

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY Mineral Hill.

CLAIM

LATITUDE

BEARING

Hole No. M6

DEPARTURE

SLOPE

HOLE DIAM. 2 1/2

ELEVATION

LENGTH

DATE

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% AVG	AVG.	WT. CUT.	
150	160	Hornbls as (140-150): only few flakes MoS_2 visible; trace chalcocyanite	150-160		0.013			
160	180	Hornbls as 140-160	160-170		0.007			
180	190	Quartz Breccia? Hornbls: grs grains 2:3:2, with very prevalent epidote, magnetite, calcite. Both MoS_2 , chalcocyanite in quartz grains. Bright red (hematite?) more prevalent. Chlorite, sericite. Pyrite <1%.	170-180		0.006			
190	200		180-190		0.007			
			190-200		0.009			
		Bottom of Hole						

LOGGED BY W. Miller

HOLE NO. M6

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY Mineral Hill

CLAIM Mineral Hill

LATITUDE

BEARING —

Hole No. M7

DEPARTURE

SLOPE - 90°

HOLE DIAM. 2"

ELEVATION Unsurveyed

LENGTH 140'

DATE August 5, 1976

LOG OF COARSE CUTTINGS

SAMPLES

FROM TO

DESCRIPTION

FROM TO

TAG NO.

WCD

AVG.

WT. CUT.

0 - 10

Casing; overburden

10 - 140

Hornfels: dark grey, aphanitic chips. ^{chlorite}Quartz
about 10%; pyrite 3%; magnetite, epidote plentiful.
Pyrrhotite present; calcite present
30-40: large proportion of very limonitic grains (35%),
trace of azurite.
40-50: many quartz grains coated with limonite
Quartz increasing with depth in hole

LOGGED BY M. Wilkinson

HOLE NO. M7

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY Mineral Hill

CLAIM Mineral Hill

LATITUDE

BEARING

Hole No. M-8

DEPARTURE

SLOPE

-90°

HOLE DIAM. 2"

ELEVATION 3237

LENGTH

200'

DATE Sept. 22, 1976

LOG OF COARSE CUTTINGS

SAMPLES

FROM TO	DESCRIPTION	FROM TO	TAG NO.	% CU	AVG.	WT. CUT.
0 - 90 (85)	Over burden					
90 - 100	Quartz Breccia: Hornfels chips predominant over quartz (at least 5:1); some calcite epidote. 1-2% pyrite; traces of molybdenite					
100 - 110	Qtz Breccia: Hf: qtz = 2:1; minor epidote & calcite, pyrite 1-2%; Limonitic staining.					
110 - 120	Qtz Br as 100-110, bright red mineral very finely dissem. (?) in some grains - hematite?					
120 - 130	Same as 110-120					
130 - 140	" ; very fine dissem MoS ₂ visible in several qtz grains					
140 - 150	No sample					
150 - 170	Qtz Breccia as 100-140; some large grains MoS ₂ in qtz seen, but overall grade would be low.					
170 - 200	Same, but MoS ₂ present as fine flakes in qtz					
	Bottom of Hole					

LOGGED BY

M. J. Wilkinson

HOLE NO.

M-8

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

 PROPERTY Mineral Hill

 CLAIM Mineral Hill

LATITUDE

 BEARING —

 Hole No. M-9

DEPARTURE

 SLOPE -90°

 HOLE DIAM. 2"

 ELEVATION 3286

 LENGTH 200'

 DATE September 23, 1926

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% MoS_2	AVG.	WT. CUT.
0	10	Casing					
10	100	Hornfels: dark grey, aphanitic chips	10-20		0.11		
		Epidote, chlorite, quartz plentiful. Pyrite ~5%	20-30		0.078		
		often in large crystalline fragments. Fine MoS_2	30-40		0.13		
		flakes and grains in quartz (minor amount). Traces	40-50		0.10		
		of chalcocite, hematite.	50-60		0.084		
		20-30: MoS_2 chiefly on dry fractures	60-70		0.025		
		30-40: " in hairline stringers & blobs in quartz	70-80		0.020		
		40-50: ditto	80-90		0.022		
		50-60: " ; also large free flake MoS_2 visible	90-100		0.021		
		60-70: MoS_2 on surfaces of qtz grains with chalcocite	100-110		0.040		
		70-80: very little MoS_2 visible; no cp	110-120		0.020		
		80-90: " ; little cp	120-130		0.018		
		90-100: " ; no cp; quartz content high	130-140		0.010		
100	200	Quartz Breccia: ratio hf:qtz chips ~ 1:3 for 1'	140-150		0.011		
		little MoS_2 visible in qtz; py ~ 3%; chlorite, epidote, calcite	150-160		0.011		
		less abundant; minor siderite, less hematite.	160-170		0.021		
			170-180		0.015		
			180-190		0.012		
			190-200		0.009		

LOGGED BY

W. Wilkinson

HOLE NO.

M 9

THE GRANBY MINING CO. LTD.
PERCUSSION DRILL LOG

PROPERTY Mineral Hill

CLAIM Mineral Hill

LATITUDE	BEARING <u>—</u>	Hole No. <u>M 10 1/2</u>
DEPARTURE	SLOPE <u>-90°</u>	HOLE DIAM. <u>2"</u>
ELEVATION <u>3240</u>	LENGTH <u>200'</u>	DATE <u>September 23, 1976</u>

LOG OF COARSE CUTTINGS		SAMPLES					
FROM	TO	DESCRIPTION	FROM TO	TAB NO.	% MoS_2	AVG.	WT. CUT.
0	10	Overburden					
10	200	Quartz Breccia: hornfels chips (some dark grey, but most bleached grey-orange); qtz chips about 25%; perhaps 3% chips of rock composed of pale pink acrystalline feldspar (?) with fine crystalline black biotite; pyrite ~3%; siderite as coatings on many chips. Little chlorite; minor MoS_2 on microfractures in quartz.	10-20		0.011		
			20-30		0.008		
			30-40		0.012		
			40-50		0.031		
			50-60		0.095		
			60-70		0.038		
			70-80		0.13		
			80-90		0.11		
			90-100		0.061		
			100-110		0.090		
			110-120		0.024		
			120-130		0.019		
			130-140		0.041		
			140-150		0.034		
			150-160		0.028		
			160-170		0.018		
			170-180		0.015		
			180-190		0.015		
			190-200		0.011		
		microfractures, in quartz, with pyrite.					

LOGGED BY W. J. Hillman

HOLE NO. M 10

THE GRANBY MINING CO. LTD.
PERCUSSION DRILL LOG

PROPERTY *Mineral Hill*

CLAIM

LATITUDE

BEARING

Hole No. *M 10 2/2*

DEPARTURE

SLOPE

HOLE DIAM.

ELEVATION

LENGTH

DATE

LOG OF COARSE CUTTINGS

SAMPLES

FROM TO

DESCRIPTION

FROM TO

TAB NO.

% CU

AVG.

WT. CUT.

180-200: less MnS₂, otherwise similar to 40-100

LOGGED BY

J. Wilkinson

HOLE NO.

M 10

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

PROPERTY Mineral Hill CLAIM Mineral Hill

LATITUDE	BEARING <u>—</u>	Hole No. <u>M 11 1/1</u>
DEPARTURE	SLOPE <u>-90°</u>	HOLE DIAM. <u>2"</u>
ELEVATION <u>320.5</u>	LENGTH <u>200'</u>	DATE <u>September 24, 1976</u>

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG NO.	%P.S.	AVG.	WT. CUT.
0	65	Overburden					
65	80	Hornfels: predominantly dark, aphanitic hornfels chips (some v. fine biotite present); about 10% quartz chips; some epidote, chlorite, pyrite - 2%	65-70		0.023 0.024		
		70-80: quartz chips more numerous (15%)	70-80		0.008		
80	200	Quartz Breccia: bleached hornfels grains; ratio of grains: qtz ~ 1:1; epidote, chlorite, pyrite, limonite	80-90		0.017		
		100-120: hf grains not bleached; limonite grains more prevalent - bright yellow stain associated - molybdenum?	90-100		0.015		
		Little hematite; no MoS ₂ visible	100-110		0.007		
		120-130: hf grains less prevalent, bleached, chloritized	110-120		0.024		
		MoS ₂ visible as fine blebs & coating microfractures on qtz grains	120-130		0.043		
		Little bright yellow moly stain	130-140		0.015		
		140-150: same, but much more MoS ₂ in quartz, with py, minor hematite, little chalcocite	140-150		0.007		
		150-160: same as 120-120	150-160		0.009		
			160-170		0.035		
			170-180		0.14		
			180-190		0.022		
			190-200		0.014		

LOGGED BY J. Wilkinson

HOLE NO. M 11

THE GRANBY MINING CO. LTD.

PERCUSSION DRILL LOG

 PROPERTY *Mineral Hill*

 CLAIM *Mineral Hill*

LATITUDE	BEARING	Hole No. <i>M 12</i>
DEPARTURE	SLOPE <i>-90°</i>	HOLE DIAM. <i>2"</i>
ELEVATION <i>3234</i>	LENGTH <i>190'</i>	DATE <i>September 24, 1976</i>

LOG OF COARSE CUTTINGS

SAMPLES

FROM	TO	DESCRIPTION	FROM TO	TAG NO.	% MoS_2	AVG.	WT. CUT.
0	20	Overburden					
20	190	Qtz Breccia: dark grey & black, aphanitic	20-30		0.005		
		hornfels chips and quartz chips ~ 1:1; epidote	30-40		0.004		
		plentiful, some chlorite; pyrite 1-2%. Little MoS_2	40-50		0.003		
		visible in quartz; little hematite, limonite, magnetite.	50-60		0.003		
		50-100: chloritization, bleaching of hf chips very strong	60-70		0.011		
		Epidote more plentiful, calcite present	70-80		0.003		
		100-110: higher proportion hf chips (unbleached or altered)	80-90		0.003		
		120-140: as 50-100; qtz content 50%+;	90-100		0.006		
		170	100-110		0.024		
		180-190: plentiful small free grains of MoS_2 ; MoS_2 in qtz.	110-120		0.004		
			120-130		0.004		
			130-140		0.014		
			140-150		0.006		
			150-160		0.013		
			160-170		0.012		
			170-180		0.065		
			180-190		0.078		

 LOGGED BY *H. Wilkinson*

 HOLE NO. *M 12*

APPENDIX II - COST STATEMENT; MINERAL HILL PERCUSSION DRILLING, 1976

PART I - ACCESS CONSTRUCTION AND SITE PREPARATION

Bulldozer Rentals: Rippel Holdings Ltd., Houston
May 27,28,31 - D7E dozer, 18½ hrs. @ 40.50/hr. \$749.25
: Hamblyn Logging & Construction
Invoice No. 467, 16 hrs. TD25C @ 58.60/hr.,
\$36.00 Transport \$973.60
Invoice No. 480, 6 hrs. TD25C @ 58.60/hr.,
\$54.00 Transport \$405.60
D. Groot Sawmill - Planks for bridge decking \$157.29
Transportation costs (four-wheel drive fuel only, transporting
crew between Smithers and job-site) \$133.91
Granby Personnel wages (re - decking bridge, slashing along
access roads, directing and swamping for
bulldozer):
L. B. Warren, 15 days at \$1250/21 day month \$892.85
A. Davies, 26 days at \$700/26 day month \$700.00
Days worked - Warren - May 18,27,28,31; June 1,2,3;
Oct. 19-22, 25-28
Davies - May 18,27,28,31; June 1,2,3; July 21,
22,30,31; August 1-8; September 7,8;
October 19-22, 25,26.

PART II - PERCUSSION DRILLING

Drill Contract: L & L Drilling and Explorations Ltd.,
Box 43, Cache Creek, B.C.
Period July 30 - August 5 - 1,2500' drilled \$3,832.50
Period Sept. 22-24 - 990' drilled \$3,289.72
Jobsite Transportation: 4-wheel drive rentals: Host \$141.27
: Avis \$164.66
: Granby vehicle (fuel): \$ 80.86
Granby Personnel Wages (sampling & supervision):
L. B. Warren, 21 days at \$1250/21 day month \$1,250.00
Days worked - July 28-31; August 1-9;
September 7,8,22-27

TOTAL COSTS \$12,771.51

Canada

Province of British Columbia

To Wit:

In the Matter of

I, WILLIAM J. WILKINSON, of SMITHERS in the Province of British Columbia.

Do Solemnly Declare that expenditures in connection with the percussion drilling program described in the attached Report on Percussion Drilling on Mineral Claims: Mineral Hill, Mineral Hill A, Mineral Hill B, Omineca Mining Division, are as detailed in Appendix II - "Cost Statement: Mineral Hill Percussion Drilling, 1976", and amount in total to \$12,771.51.

And I make this solemn Declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath, and by virtue of the Canada Evidence Act.

Declared before me at SMITHERS in the Province of British Columbia this 1st day of JANUARY A.D. 1977

Handwritten signature of William J. Wilkinson

Handwritten signature of the Commissioner