

5064

94D/10E

REPORT ON
- DIAMOND DRILLING
SUSTUT RIVER - MOOSEVALE CREEK AREA
SUSTUT, WILLOW AND WILL MINERAL CLAIMS

OF THE

- BETA GROUP

56°35'N, 126°40'W

WESFROB MINES LIMITED

MAY 13, 1974 - JULY 26, 1974

Vancouver, B.C.
July 26, 1974

G. Harper
D. H. Brown, P.Eng.

Department of Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5064	MAP

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INTRODUCTION

The "Sustut" and adjoining claims lie in rugged mountainous country of the Swannell Range, 250 miles northwest of Prince George, B.C. Access to the property is exclusively by helicopter the last 20 miles either from Johanson Lake or Moose Valley. N.T. Air runs a fixed wing plane service (from Prince George) into each of these places to small gravel airstrips. Alternative supply routes are by the Mining Access Road from Fort St. James to Johanson Lake or up the B.C. Railroad construction grade from Fort St. James to Bear Lake. Heavy freight, fuel and equipment have been brought up the railroad or road, while personnel and urgent supplies are carried by air direct from Prince George.

SCOPE OF DIAMOND DRILLING PROGRAM

After an encouraging reconnaissance in 1972, Wesfrob Mines Limited decided to mount a major, continuing drilling program in the area during 1973/74. A camp was constructed at the centre of the property in the spring of 1973 and subsequently three machine drilling programs conducted in succeeding summers.

The short summer season, excessive snow and severe weather requires that the operation be undertaken as fast as possible with several drill machines and adequate air support. S & H Drilling Co. Ltd. had the contract both years as they proved themselves efficient and reasonably priced. In excess of 20,000 feet of core drilling have been/will be completed each season. All core is stored in racks at the camp on the property.

ASSESSMENT APPLICATION AND COSTS USED

As required by the recently modified Mineral Act of B.C., enclosed are: location plans, copies of diamond drill logs, and the drill contract and financial statements itemizing the costs. The direct costs of drilling each hole are presented but it should be noted that these are only a partial cost as camp construction, supply and technical services can not be separated for individual drill holes. Therefore, a detailed statement is presented of the composition of these indirect costs, the total reduced to a unit cost per foot. Invoices to support these stated expenditures are available in the Company's Vancouver office for inspection.

Vancouver, B.C.
July 26, 1974

G. Harper


D. H. Brown, P.Eng.



DEPARTMENT OF MINES AND PETROLEUM RESOURCES

MINERAL ACT (Section 51) FORM B

Affidavit on Application for Certificate of Work

1. I, D. H. Brown Agent for Wesfrob Mines Limited #500 - 1112 West Pender St. Vancouver, B.C. V6E 2S3 Free miner's Certificate No. 120677 Date issued May 15/73

make oath and say:

2. I have done, or caused to be done, work on the Beta Group Sustut 8 Mineral Claim(s)

Record No.(s) 103204 situate at 56°35'N, 126°40'W in the Omineca Mining Division to the value of at least 37,900 dollars. Work was done from the 19th day of June 1974, to the 6th day of July 1974.

3. The following is a detailed statement of such work done in the twelve months in which such work is required to be done.

(COMPLETE APPROPRIATE SECTION(S) A, B, C, BELOW)

A. PHYSICAL (Trenching, drilling, tunnelling, and overburden removal.) (State dimensions of trenching, open pits, etc., footage drilled, and diameter of hole for drilling.)

Table with 2 columns: Description of work and COST. Includes rows for Direct costs (June 19 - July 6, 1974) and Indirect costs (2779 ft. @ \$6.54/ft.), totaling \$37,902.61.

I wish to apply \$ 33,600 of this work to the claims listed below. (State number of years to be applied to each claim.)

5 years to be applied to: 33 claims - Willow 25, 26, 47, 48, 53, 55, 57 Record Nos. 116302, 116303, 116324, 116325, 116330, 116332, 116334 \$33,000.00

3 years to be applied to: Will 7-16, 21-36; Record Nos. 116342-116351, 121198-121213 600.00

1 claim - Sustut-94; Record No. 112921 \$33,600.00 (For B and C Sections please turn over)

WESFROB MINES LIMITED

1112 WEST PENDER STREET

VANCOUVER 1, B. C., CANADA

TELEPHONE: 682-6242

TELEX 04-53245

July 24, 1974

The Mining Recorder,
Omineca Mining Division,
Smithers, B.C.

Dear Sir,

Re : Statements of Qualifications

This is to certify that the work covered under the attached report was carried out under the supervision of Dr. Gerald Harper, and under my direction. Dr. Harper is a graduate (B.Sc.) of University College of Rhodesia where he also studied for his Ph.D. degree under the affiliate sponsorship of the University of London.

Core logging was carried out by Mr. B. Downing B.Sc., University of Toronto, M.Sc. Queens University and by Mr. J. Wilson B.Sc., University of British Columbia. Both geologists have worked within the Falconbridge Nickel organization since 1972. Surveying and drill hole layout and control was carried out by G. Thomassen a qualified surveyor trained within the Falconbridge organization during the past eight years. D. Rondeau is his student assistant.

I am a graduate in engineering geology from the University of British Columbia, and a member of the Association of Professional Engineers of Ontario and British Columbia.

Yours very truly,
WESFROB MINES LIMITED,



D.H. Brown, P. Eng.

Att.

APPENDIX D

DIAMOND DRILL HOLE LOGS

Nos. 115, 117, 120, 122,

124*

NORTH 48,582.42 STARTED June 19, 1974
 EAST 49,862.83 COMPLETED June 20, 1974
 ELEV. 5,515.45' LENGTH 357'
 BEARING _____
 DIP Collar: -90°

FALCONBRIDGE DIAMOND DRILL RECORD

PROPERTY

SUSTUT CLAIMS P.N. 403

S & H, BBS-1, AQ Core

PURPOSE To determine Cu. HOLE No. #115
grade through pyroclastic CLAIM Sustut #8
succession. SECTION _____
 LOGGED BY B. Downing OFFSET _____
A.H. Brown P.L.M. PLOTTED _____

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C. L.				
<u>0 - 14'</u>	Casing. Bedrock at 12' Casing pulled. 6 ft. of snow followed by 6 ft. of loose Aggl. boulders.							
<u>12 - 37'</u>	RRG Agglomerate (50-40-10). Sub-angular to sub-rounded clasts up to 8 cm. across, predominantly < 4 cm. of variable compositions, felsic, basalt, andesite dacite, aug. porph. basalt, plag. porph. basalt, amygdaloidal. 22-22.4'; 32.7-33.2' mod. epidotized matrix. 31-31.5' mod.-intense epidotized matrix. Fractures: Open 12-60' 30-50°, 4-5/5 ft.; 10-30°, 2-3/5 ft. 45-48' broken core.							
<u>37 - 50'</u>	GGR Agglomerate (50-40-10) as above. 37.6-57' numerous qtz.-carb. frs. at 10-30°							
<u>50 - 69'</u>	RRG Agglomerate (50-40-10) as above							
<u>69 - 107'</u>	GGR Agglomerate (50-40-10) as above. 119.8-124' mod.-intense ep. of matrix. 124-139' mod. ep. of matrix Fractures: Open 60-100' 30-50°, 6-7/5 ft.; 10-30°, 4-5/5 ft. 70.5-73' intense shearing/brecciation 73.4-78.8', 84.5' intense shearing at 30°, 45° & 25° respectively. 121.5-122.3' qtz.-carb. vein broken core 65-73', 83-84', 95-96.5'.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
<u>107 - 177'</u>	RRG Agglomerate (50-30-20) as above. Fractures: Open 100-207' 30-50°, 3-4/5 ft.; 10-30°, 2-3/5 ft.							
<u>177 - 237'</u>	GRG Agglomerate (50-30-20) as above. Fractures: Open 230-271' 30-50°, 5-6/5 ft.; 10-30°, 2-3/5 ft.							
<u>237 - 312'</u>	GGR Agglomerate (50-40-10) as above. 270-357' diabase clasts prominent 305.9-306.2' interstitial qtz. Fractures: Open 271-312' 30-50°, 3-4/5 ft.; 10-30°, 2-3/5 ft. 256-257' sheared/wkly. brecciated agglomerate							
<u>312 - 326.5'</u>	RRG Agglomerate (50-40-10) as above. 321.7-322.4' interstitial qtz. Fractures: Open 312-357' 30-50°, 3-4/5 ft.; 10-30°, 1-2/5 ft.							
<u>326.5 - 357'</u>	GGR Agglomerate (50-40-10) as above. 278-302' mod.-intense patches of epidotized/altered agglomerate. (292.5-294.5' spotted appearance of core, epidote spots <3 mm. across).							
<u>357'</u>	END OF HOLE							
	<u>CORE RECOVERY</u>							
	12 - 17' 75%							
	17 - 69' 100%							
	69 - 77' 80%							
	77 - 87' 100%							
	87 - 92' 75%							
	92 - 357' 100%							

NORTH 48,572.77 STARTED June 21, 1974
 EAST 49,469.05 COMPLETED June 24, 1974
 ELEV. 5,668.92' LENGTH 609'
 BEARING _____
 DIP Collar: -90°; Acid Test 609', no good.

FALCONBRIDGE DIAMOND DRILL RECORD

PROPERTY

SUSTUT CLAIMS P.N. 403

S & H, BBS-1, AQ core

PURPOSE To determine Cu. grade through pyroclastic HOLE No. #117
 CLAIM Susttit #8
 Succession. _____ SECTION _____
 LOGGED BY B. Downing OFFSET _____
B. Downing PLOTTER _____

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C. L.				
<u>0 - 14'</u>	Casing. Bedrock at 14'. 0 - 10' snow. 10-14' overburden.							
<u>14 - 148.5'</u>	RRG Agglomerate (50-45-5) Sub-angular to sub-rounded clasts up to 8 cm. across, predominantly < 4 cm; of variable composition, basalt, aug. porph. basalt, plag. porph. basalt, felsic, amygdaloidal volcanic few diabase. 57-87; 99-103; 140-143' graded bedding at 15-25° with hem. partings at top, tops upright, 60-112' wk. epidotized matrix. 115-127'; 129.5-130.5'; 135-137'; 145-148', wk-mod. epidotized matrix. Fractures: Open 14-117' 10-30°, 1-2/5 ft.; 30-50°, 2-3/5 ft. 117-136' 10-30°, 3-4/5 ft.; 30-50°, 2-3/5 ft. 14-50' 80-50°, 2-3/5 ft.							
<u>148.5 - 609'</u>	GGR Agglomerate (50-40-10), as above. 271.3'; 311.3'; 326-349', ls. clasts < 1 cm. across 311-313' interstitial qtz. 347-348.5'; 349.5-350.5'; 369-370'; interstitial qtz-carb. 178-179.5'; 192-194.5'; 200-201'; 578.5-581'; mod. epidotized matrix. 163-164.5'; 171-172'; 175-176.7'; 180-182'; 186-187.5'; 190-192'; 195-197'; 373-375', mod.-intense epidotized matrix. 184-185'; 255.5-256.5'; 356.5-357'; 357.8-358'; network epidote veinlets 351.6-352.8'; qtz-ep-carb. vein, vuggy, (broken core). 522.7-525', network carb-qtz. veinlets. 588-590', highly fr. agglomerate with qtz-carb. veins at 15, odd vug with cal xtals. 451-451.7'; 453.5-455'; 465-466'; shear zones with qtz-carb veinlets.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	<u>Fractures:</u> Open							
136-180'	10-30°, 1-2/5 ft.; 30-50°, 2-3/5 ft.							
180-190'	" , 2-3/5 ft.; " , 4-5/5 ft.							
190-209'	" , 1-2/5 ft.; " , 3-4/5 ft.							
209-220'	" , 2-3/5 ft.; " , 4-5/5 ft.							
220-240'	" , 1-2/5 ft.; " , 3-4/5 ft.							
240-370'	" , 2-3/5 ft.; " , 5-6/5 ft.							
370-359'	" , 1-2/5 ft.; " , 4 5/5 ft.							
	50-80° 2-3/5 ft.							
359-608'	10-30°, 1-2/5 ft.; " , 2-3/5 ft.							
	50-80°, 1-2/5 ft.							
280-299'	qtz. fr. @ 10-80°, 3-4/5 ft.							
284-284.5'; 285-285.7'; 286.5-286.8'; 289-289.5'								
332.2'; 265.8-266'; 520-591.2';	mod.-intense shear zone.							
375-383'	intense shears at 10-30°, qtz-carb filled, 4-5/5 ft.							
395-419'	" " " " " "							
423-439'	" " " " " "							
	1-2/5 ft.							
375-439'	barren shears, 3-4/5 ft.							
448-448.7'	mylonitized agglomerate @ 30°							
608'	END OF HOLE							
	<u>SPECIMENS</u>							
117-62.5	Peculiar clast (sedimentary ?)							
117-326	ls. clast, 9 cm. across.							
	<u>CORE RECOVERY</u>							
14-20'	65%							
20-249'	100%							
249-253'	95%							
253-608'	100%							

NORTH 48,185.04 STARTED June 25, 1974
 EAST 49,880.08 COMPLETED June 27, 1974
 ELEV. 5,494.57 LENGTH 440'
 BEARING _____
 DIP Collar: -90°; Acid Test 440' = -89°

FALCONBRIDGE DIAMOND DRILL RECORD

PROPERTY

SUSTUT CLAIMS P.N. 403

S & H, BBS-1; AQ Core

PURPOSE To determine Cu. HOLE No. #120
grade through pyroclastic CLAIM Sustut #8
 SUCCESSION. _____ SECTION _____
 LOGGED BY R. Downing OFFSET _____
R. Downing PLOTTED _____

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C. L.		
<u>0 - 12'</u>	Casing. Bedrock at 10' 0 - 10' snow & overburden					
<u>10 - 104'</u>	RRG agglomerate (50-40-10) Sub-angular to sub-rounded clasts, up to 9 cm. across, predominantly <4 cm. of variable composition, basalt, andesite-dacite, felsic, aug. porph. basalt, plag, porph. basalt, odd amygdaloidal volcanic. 15-91' wk-mod. epidotized matrix 99.5-100.4' mod-intense ep. matrix Fractures : Open 10-96' 10-30°, 1-2/5 ft; 30-50°, 3-4/5 ft. 96-100' 10-30°, 1-2/5 ft; 30-50°, 2-3/5 ft.					
<u>104 - 201'</u>	GGR agglomerate (50-30-20) as above. 182.5-185'; 195-198'; wk. epidotized matrix. 185=195' mod. ep. matrix Fractures: Open 160-250' 10-30°, 2-3/5 ft. 30-50°, 3-4/5 ft. 186-193' ep.-qtz. qtz. fr. at 80-50°					
<u>201 - 394'</u>	GRG agglomerate (50-30-20) as above 310.5' ls. clasts 1 cm. across 322-378' diabase clasts frequent. 224-243'; 308.5-310' wk. mod. epidotized matrix 262.29-265' intense ep. matrix 328-355.8' mod-intense epidotized/altered agglomerate 352.6-353.6' spotted texture of agglom. {epidote spots (?) <.5 cm. across} 260.5-261.5'; 368.3-368.6', network epidote veinlets					

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.I.				
	<p><u>Fractures</u> : Open</p> <p>250-328' 10-30°, 2-3/5 ft; 30-50°, 4-5/5 ft.</p> <p>328-346' " , 2-3/5 ft; " , 5-6/5 ft.</p> <p>346-357' " , 2-3/5 ft;; " , 8-10/5 ft.</p> <p>357-440' " , 2-3/5 ft; " , 9-6/5 ft.</p> <p>408-420' broken core.</p> <p>232.7-233.4' shear zone, qtz.-carb.vein at 20°</p>							
<u>394 - 440'</u>	<p><u>GGR agglomerate</u> (50-40-10) as above</p> <p>395' ls. clast .5 cm. across</p> <p>381-382'; 411-414'; 416-419'; mod. intense epidotized matrix.</p> <p>337-382' wkly altered agglomerate</p> <p>414-416' ep. frs. at 30°</p>							
440'	<p>END OF HOLE</p>							
	<p><u>SPECIMENS</u></p> <p>hematite fringe</p> <p>cc: fringe</p>							
120 - 36.5'								
120 - 321'								
	<p><u>CORE RECOVERY</u></p> <p>10-12' 90%</p> <p>12-408' 100%</p> <p>408-420' 90%</p> <p>420-440' 100%</p>							

NORTH 48,136.21 STARTED June 29, 1974
 EAST 49,514.48 COMPLETED July 2, 1974
 ELEV. 5,456.95 LENGTH 533'
 BEARING _____
 DIP Collar: - 90°; Acid Test : 528', -89°

FALCONBRIDGE DIAMOND DRILL RECORD

PROPERTY

SUSTUT CLAIMS P.N. 403

S & H: BBS-1; AQ Core

PURPOSE To determine Cu. HOLE No. #122
grade through pyroclastic CLAIM Sustut #8
succession SECTION _____
 LOGGED BY B. Downing OFFSET _____
B. Downing PLOTTED _____

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C. L.				
<u>0 - 16'</u>	Casing. Bedrock at 16' 0 - 4' snow; 4-16' overburden. Boulders of agglomerate.							
<u>16 - 28'</u>	GRG agglomerate (50-30-20) 19.7'-20' interstitial qtz.							
<u>28 - 121'</u>	GGR agglomerate (50-40-10). Sub-rounded to sub-angular clasts up to 12 cm., predominantly <4 cm; of variable composition (basalt, andesite-dacite, aug. porph., plag. porph. basalt, felsic, odd disbase, odd amygdaloidal volcanic. Fractures: Open 17-48' 10-30°, 1-2/5 ft; 30-50°, 3-4/5 ft. 48-84' " , 1-2/5 ft; " , 5-6/5 ft. 20% pink carb. coated 84-90' 10-30°, 1-2/5 ft; 30-50°, 3-4/5 ft. 90-110' " , 1/2/5 ft; " 4-5/5 ft. 60-84' qtz-ep, ep. frs. at 70-20°, 5-6/5 ft. (some networks of frs.) 90-110' qtz-ep, ep. frs. at 70-30°, 3-4/5 ft.							
<u>121 - 177'</u>	RRG agglomerate (50-40-10) as abovee 134' ls. clast ≈0.5 cm. across. 136.4-136.6 interstitial qtz-pink carb; wk.-mod. epidotized matrix, 128.5-133'; 148-149'; 162-163'; 165-170'. mod-intense ep. matrix, 121-122'; 123.5-124'; 127.5-128.5'; 141.7-144' 163-165'							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.I.				
	<p><u>Fractures</u> : Open</p> <p>110-160' 10-30°, 1-2/5 ft. 30-50°, 3-4/5 ft.</p> <p>174.6-175' shear zone, interstitial qtz-carb.</p> <p> at 70°</p> <p>180-182' broken core.</p>							
177 - 200'	<p><u>GGR agglomerate</u> (50-40-10) as above.</p> <p>182.3' ls. clast ≈1 cm. across</p>							
<u>200 - 201.3'</u>	<p><u>GRG agglomerate</u> (50-40-10)</p> <p>200-200.3' interstitial qtz.</p>							
<u>201.3-- 201.8'</u>	<p><u>GGR agglomerate</u> (50-40-10)</p>							
<u>201.8-205.6'</u>	<p><u>RRG agglomerate</u> (50-40-10)</p>							
<u>205.6-205.8'</u>	<p><u>GGR agglomerate</u> (50=40-10)</p> <p>Graded beds at 60°, tops upright.</p>							
<u>205.8-216.2'</u>	<p><u>RRG agglomerate</u> (50-40-10)</p>							
<u>216.2-533'</u>	<p><u>GGR agglomerate</u> (50-40-10) as above.</p> <p>ls. clasts, 219.9 (≈1 cm); 237.3' (fossiliferous, ≈3 cm);</p> <p>345.8' (≈3 cm.)</p> <p>289.8-240' interstitial qtz.</p> <p>259' carb. vein at 65° ≈1.5 cm. across</p> <p>410.8-411.2' qtz.-carb.-ep. vein at 65°</p> <p>346.6-346.8' carb. vein at 40°</p> <p>411.2-413' ep. veinlets at 00°</p> <p> wk-mod. epidotized agglomerate,</p> <p> 338-344.6'; 475-488'.</p> <p> mod-int. ep. agglomerate, 488-501'</p> <p> (488-490, spotted texture, ep. spots</p> <p> ≈1 cm.)</p>							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	<u>Fractures :</u> Open							
160-285'	10-30°, 1-2/5 ft; 30-50°, 3-4/5 ft.							
285-350'	50-80°, 3-4/5 ft.; 10% pink carb. coated. 10-30°, 1-2/5 ft; 30-50°, 3-4/5 ft. 20% pink carb. coated.							
350-533'	10-30°, 2-3/5 ft; 30-50°, 5-6/5 ft. 25% pink carb. coated.							
230-250'	qtz.; qtz-carb. fr./shears at 10°-60° 3-4/5 ft.							
350-395'	qtz.-fr. at 10-60°, 1-2/5 ft. broken core, 337.3-338'; 344.5-346.6' 378-380'; 417.5-443'; 455-455.7'; 460.5-468'; 469-470'; 481.5-483.5'							
501-533'	zone of tectonic disturbance, qtz.-carb. veinlets at 20-40° 501-525' semi consolidated fault gouge 525-533' unconsolidated fault gouge							
533'	<u>END OF HOLE</u>							
	<u>SPECIMENS</u>							
122-46.5'	weird-shaped clast (dumb-bell shape)							
122-164'	finger-printlike textured clast ≈ 1.5 cm.							
122-205.5'	graded bedding overlying a felsic clast.							
	<u>CORE RECOVERY</u>							
16-17'	0%							
17-360'	100%							
360-376'	95%							
370-490'	100%							
490-533'	95%							

FALCONBRIDGE

DIAMOND DRILL RECORD

PROPERTY

Sustut Claims P.D. 1164

S&H; RRS-1, AD COP.

PURPOSE To determine HOLE No. 124

Cu grade through CLAIM Sustut # 8

pyrochastic succession. SECTION _____

LOGGED BY F. Downing OFFSET _____

A. H. Brown PLOTTED _____

NORTH 47,551.53 STARTED July 3/74

EAST 49,274.63 COMPLETED July 6

ELEV. 5555.93 LENGTH 840'

BEARING _____

DIP Colbr - 90°, acid test - see end

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
<u>0-2'</u>	<u>Casing, Bedrock at 2'</u>							
	<u>0-2' overburden, bulk of it</u>							
	<u>COP</u>							
<u>2-15'</u>	<u>RRG agglomerate (80-10-10)</u>							
<u>15-20'</u>	<u>RRG agglomerate (50-40-10)</u>							
<u>20-24'</u>	<u>RRG agglomerate (80-10-10)</u>							
	<u>23-24' med. int. oxidized matrix</u>							
<u>24-433'</u>	<u>RRG agglomerate (80-40-10)</u>							
	<u>Subangular to subrounded</u>							
	<u>cherts predominantly < 4cm,</u>							
	<u>of variable composition,</u>							
	<u>small, andesite-dacite, aug. and</u>							
	<u>small, phg. porph. basalt, felsic,</u>							
	<u>amphibolite volcanic, odd diabase.</u>							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.					
	262.6-264.7' GGR agglomerate.								
	438.8' ls. chert = 1cm.								
	313-330' minor graded beds at 65-75°, top upright.								
	6.5-200' many hematite-rich bands, fringes at 65-75°, not necessarily at top of beds.								
	311-311.5 interstitial gtz.								
	52.6' carb vein \approx 1.5cm at 30°								
	223.6' " " " 20°								
	wk-mod epidolized matrix: 98-122';								
	131-143'; 145-180'; 175-196'; 208-209'; 229-								
	238'; 280-286.5'; 319-320'; 321-322';								
	370-371';								
	mod-int epidolized matrix: 58-59.5';								
	160-170'; 196-198.5'; 200-202'; 206.5-								
	309'; 329.7-332.5'; 337-338.5'; 340-								
	344'; 361.5-366'; 372-374'; 381.3-384';								
	387-389'; 393-401.5'; 407.5-500';								

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	Fractures: open							
6.5-55'	10-30°, 2-3/5 ft; 30-50°, 4-5/5 ft.							
55-76'	" , 1-2 " ; " , 2-3 "							
76-101'	" , 1-2 " ; " , 3-8 " ; 20% pink carb coated.							
101-125'	" , 1-2 " ; " , 3-4 "							
125-135'	" , 1-2 " ; " , 5-6 "							
135-169'	" , 1-2 " ; " , 2-3 "							
169-383'	" , 1-2 " ; " , 3-4 "							
383-412'	" , 1-2 " ; " , 6-7 "							
412-462'	" , 1-2 " ; " , 3-4 "							
76-76'	gt of at 30°-80°, 6-8/5 ft.							
	broken core: 26-27'; 36-37'; 38-39';							
	46-50'; 84-90';							
	292.6-293.5', shear zone at 55°							
	313.6' shear / breccia zone							
	~ 2 cm wide at 30°							
433-840'	GGR agglomerate (50-40-10)							
	as above.							
	585-593 GRG agglomerate							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
	interstitial gtz: 539-541.5; 572.5-574'							
	625.5-626.3' mod epidolized matrix.							
	771-773.5' invg. gtz-ep ± them veins at 30-50° Fractures open.							
462-490'	10-30°, 1-2 / 5ft; 30-50°, 5-6 / 5ft.							
490-530'	" , 1-2 " ; " , 2-3 "							
530-625'	" , 1-2 " ; " , 3-4 "							
625-708'	" , 1-2 " ; " , 2-3 "							
	broken core: 489-490							
	447.4-449', int. shear / mylonitized zone at 20°							
	559.2-559.7', int. shear zone at 45°							
	631.5; 632; 782.6', gtz-carb shears at 20°; 20°; 35°.							
	723.3' shear a km. at 80°							
708-730'	10-30°, 1-2 / 5ft; 30-50°, 4-5 / 5ft.							
730-840'	" , 1-2 " ; " , 3-4 "							
	725-727' pink carb coated f.o.							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.				
719.5-721.1'	zone of tectonic disturbance at 30°. intensely sheared agglomerate; mylonite; few ultramylonitic stringers.							
840'	<u>End of hole.</u>							
	Acid tests.							
	Collar - 90°							
708'	- 89°							
838'	- 89°							

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.					
	<u>Specimens</u>								
124-15'	hematitic stringers								
124-54'	irregular hematite bands								
	<u>Core Recovery</u>								
2-6.5'	0%								
6.5-708'	100%								

A P P E N D I X A

DIRECT DRILL HOLE INVOICES

S & H DRILLING COMPANY LTD.

13135 - 20th Avenue
SURREY, B.C. V4A 1Z1
Phone 531-4134

June 27, 1974 ✓

Mr. J. J. McFougall
Exploration Manager
Mesfrob Mines Ltd.
1112 West Pender Street
Vancouver, B. C.

DATE	DESCRIPTION	AMOUNT	PAYEE	PERIOD	FILE

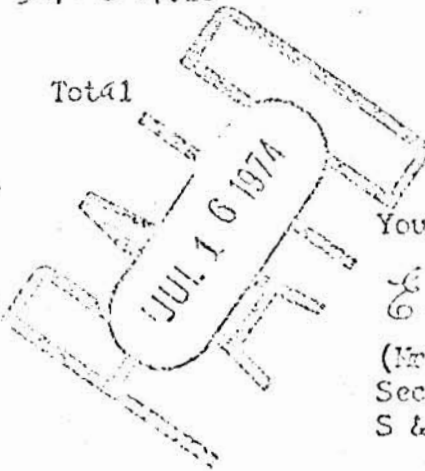
Dear Mr. McFougall:

Re: Sustut 1974

Following is invoice for further diamond drilling:

Hole #112 - Drilling Casing - 10' @ \$8.00	\$ 80.00 ✓	
✓ Core Drilling - 318' @ \$7.20	<u>2,289.60</u> ✓	\$ 2,369.60 ✓
Hole #113 - Drilling Casing - 22' @ \$8.00	\$ 176.00 ✓	
Core Drilling - 337' @ \$7.20	<u>2,268.00</u> ✓	2,444.00 ✓
Dip Test 5/3 315'	<u>20.00</u> ✓	
Hole #114 - Drilling Casing - 18' @ \$8.00	\$ 144.00 ✓	
Reaming Casing - 16' @ \$2.50	40.00 ✓	
Core Drilling - 341' @ \$7.20	<u>2,455.20</u> ✓	2,639.20 ✓
✓ Hole #115 - Drilling Casing - 10' @ \$8.00	\$ 80.00 ✓	
Reaming Casing - 11' @ \$2.50	27.50 ✓	
Core Drilling - 347' @ \$7.20	<u>2,498.40</u> ✓	2,608.40 ✓
Dip Test	<u>20.00</u> ✓	
Total		<u>\$10,081.20</u> ✓

030-079	10,081.20
TOTAL	10,081.20
DATE	



Yours truly,

E. M. Schussler
(Mrs.) E. M. Schussler
Sec. - Treas.
S & H Drilling Co. Ltd.

J. M.

S&H DRILLING COMPANY LTD.

13135 - 20th Avenue
SURREY, B.C. V4A 1Z1
Phone 531-4134

June 29, 1974



Mr. J. J. McLougall
Exploration Manager
Nesfrob Mines Ltd.
500 - 1112 West Pender Street
Vancouver, B.C.

-3.00L.974

Dear Mr. McLougall:

Re: Sustut 1974

Following is invoice for further diamond drilling:

✓ Hole #116	Drilling Casing - 10' @ \$8.00	\$ 80.00 ✓	403
	Core Drilling - 362' @ \$7.20	2,606.40 ✓	
	Lip Test	20.00 ✓	\$ 2,706.40 ✓
✓ Hole #117	Drilling Casing - 12' @ \$8.00	\$ 96.00 ✓	
	Core Drilling - 488' @ \$7.20	3,513.60 ✓	
	109' @ \$7.80	850.20 ✓	403
	Lip Test	20.00 ✓	
	AW Casing left in hole - 4' @ \$4.30	17.20 ✓	4,497.00 ✓
✓ Hole #118	Drilling Casing - 6' @ \$8.00	\$ 48.00 ✓	
	Remaining Casing - 4' @ \$2.50	10.00 ✓	
	Core Drilling - 372' @ \$7.20	2,678.40 ✓	
	Lip Test	20.00 ✓	903
	AW Casing left in hole - 6' @ \$4.30	25.80 ✓	
	1 Worn Casing Shoe - 50% of \$63.25	31.63 ✓	2,813.83 ✓
Tractor Time - J.L. 350 for May 1974 - rent		\$ 200.00	
	M. McLougall - May 14, 15 & 16 @ 9 hrs. = 27 hrs.		
	May 17 5 hrs. 5 "		
	Rate per hr. @ \$8.00 per hr.	32 hrs 256.00 ✓	
030-049	47.25	May 27 & 28 6 hrs.	
041-025	47.25	May 29, 30 & 31 21 hrs.	
025-213	70.00 ✓	27 hrs. @ \$8.00 216.00 ✓	672.00 *
	70.00		\$ 10,689.23
	70.00		-100.00 **
	70.00		
	115.50		
	20.00		

Less rent for J.L. 350 shown on invoice of June 21/74

Total this invoice

\$ 10,289.23

Copy Made

JUL 1 1974

Yours truly,

(Mrs.) E. M. Schussler
cc. Treas.

& H Drilling Company Ltd.

DISTRIBUTION

030-049	10	310	92			
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S & H DRILLING COMPANY LTD.

13135 - 20th Avenue
 SURREY, B.C. V4A 1Z1
 Phone 531-4134

July 14, 1974

Mr. J. J. McJeugall
 Exploration Manager
 Westrob Mines Ltd.
 500 - 1112 West Pender Street
 VANCOUVER, B.C.

Dear Mr. McJeugall:

Re: Sustut 1974

Following is invoice for further diamond drilling:

Hole #119	Drilling Casing - 8' @ \$8.00	\$ 64.00 ✓	
	Core Drilling - 192' @ \$7.25	3,522.00 ✓	
	132' @ \$7.80	1,029.60 ✓	403
	1 Lip Test	20.00 ✓	
	AW Casing left in hole - 6' @ \$5.25 (new price)	31.50 ✓	
		<hr/>	\$ 4,687.50 ✓
Hole #120	Drilling Casing - 10' @ \$8.00	\$ 80.00 ✓	
	Core Drilling - 130' @ \$7.20	3,026.00 ✓	472
	1 Lip Test	20.00 ✓	
	AW Casing left in hole - 6' @ \$5.25	31.50 ✓	
	1 AW Casing Shoe left in hole	63.25 ✓	
		<hr/>	3,290.75 ✓
	Total		<hr/> \$ 7,978.25

Yours truly,

E. M. Schussler

(Mrs.) E. M. Schussler
 Sec. Treas.
 S & H Drilling Co. Ltd.

030-049	7978.25	
TOTAL	7978.25	
DATE		
RECEIVED		
<i>[Signature]</i>		

S&H DRILLING COMPANY LTD.

13135 - 20th Avenue
 SURREY, B.C. V4A 1Z1
 Phone 531-4134

July 11, 1974

Mr. J. J. McLaughlin
 Exploration Manager
 Wesfrob Mines Ltd.
 1112 West Pender Street
 Vancouver, B. C.

NO.	DATE	DESCRIPTION	AMOUNT	PAY TO THE ORDER OF

Dear Mr. McLaughlin:

Re: Sustut 1974

Following is invoice for further diamond drilling:

Hole #122 - Drilling Casing - 16' @ \$8.00	\$ 128.00 ✓	
Reaming Casing - 4' @ \$2.50	10.00 ✓	
Core Drilling - 517' - 198' @ \$7.20	3,723.60 ✓	403
33' @ \$7.80	257.10 ✓	
1 Dip Test	20.00 ✓	
Standby Time - O. Probst - 7hrs.		
R. Smith - 7 "		
14 hrs @ \$8.25	115.50 ✓	\$ 4,015.70 ✓
<hr/>		
Hole #123 - Drilling Casing - 2' @ \$8.00	\$ 16.00 ✓	
Reaming Casing - 6' @ \$2.50	15.00 ✓	
Core Drilling - 587' - 198' @ \$7.20	3,585.60 ✓	403
89' @ \$7.80	691.20 ✓	
1 Dip Test	20.00 ✓	
4' Casing left in hole - 3' @ \$5.25	12.00 ✓	\$ 4,372.80 ✓
<hr/>		
Total		\$ 8,388.50

Yours truly,

E. M. Schussler

(Mrs.) E. M. Schussler, Sec.-Treas.
 S & H Drilling Company Ltd.

030-049	8,388.50
TOTAL	8,388.50
CHECKS	
OR DEBIT	

S&H DRILLING COMPANY LTD.

13135 - 20th Avenue
SURREY, B.C. V4A 1Z1
Phone 531-4134

July 16, 1974

Mr. J. J. McDougall
Exploration Manager
Wesfrob Mines Ltd.
500 - 1112 West Pender Street
Vancouver 1, B. C.

QUANTITY	UNIT	PRICE	TERMS	F.P.S.I.	P.S.T.	T.O.B.

Dear Mr. McDougall:

Re: Sustut 1974

Following is invoice for further diamond drilling, standby time and mobilization:

✓ Hole #124 - Drilling Casing - 41' @ \$8.00	\$ 32.00 ✓	
Core Drilling - 704' - 196' @ \$7.20	3,571.20 ✓	
208' @ \$7.80	1,622.40 ✓	104 D2
1 Dip Test	20.00 ✓	
AW Casing left in hole - 41' @ \$5.25	21.00 ✓	
Standby Time July 6 - O. Probst and R. Smith @ 3 hrs. = 6 x \$8.25	49.50 ✓	\$ 5,316.10 ✓
✓ Hole #125 - Drilling Casing - 6' @ \$8.00	\$ 48.00 ✓	
Reaming Casing - 16' @ \$2.50	40.00 ✓	
Core Drilling - 543' - 194' @ \$7.20	3,556.80 ✓	
59' @ \$7.80	460.20 ✓	403
1 Dip Test	20.00 ✓	
AW Casing left in hole - 22' @ \$5.25	115.50 ✓	
1 AW Casing Shoe left in hole	63.25 ✓	4,303.75 ✓
Hole #126 - Drilling Casing - 5' @ \$8.00	\$ 40.00 ✓	
Core Drilling - 322' @ \$7.20	2,318.40 ✓	403
1 Dip Test	20.00 ✓	
AW Casing left in hole - 41' @ \$5.25	21.00 ✓	2,399.40 ✓

Mobilization from Sustut to Dry Property

J. Schussler - July 2 & 3 @ 9 hrs. = ✓	18 hrs. ✓
G. Yavorski - Same ✓	18 " ✓
B. Gibson - Same ✓	18 " ✓
S. Oleksiuk - June 30	5 hrs. ✓
July 1	7 " ✓
July 2 & 3 @ 10 hrs.	20 " ✓
July 4	3 " ✓
Jean Jolette - Same as Oleksiuk	35 " ✓
M. McDonald - July 1	7 hrs. ✓
July 2 & 3 @ 10 hrs.	20 " ✓
July 4	3 " ✓
A. Quesnel - Same as McDonald	30 " ✓
	30 " ✓

184 hrs @ \$8.25 ✓ 1,518.00 ✓
13,537.25 ✓

Total

Yours truly,

[Signature]

[Signature] (Mrs) E. M. [Signature]

A P P E N D I X B

DERIVATION OF INDIRECT COSTS OF SUSTUT DRILLING

DERIVATION OF INDIRECT COSTS OF SUSTUT DRILLING

	<u>As Paid to June 30</u>	<u>Est. to Completion of Job August 15</u>	<u>Total</u>
1) <u>1974 Season Operating Expenses</u>	\$	\$	\$
<u>General and Geology</u>			
A) Salaries and wages for G. Harper, supervision; B. Downing and J. Wilson, qualified geologists logging core; G. Thomassen and D. Rondeau, surveyor and helper controlling DDH layout; R. Macphee, camp manager - expediter.	25,709	10,000	35,709
B) Field expenses - sundry supplies, repairs and communications.	914	200	1,114
C) Local transportation - 206B helicopter support for camp.	1,215	1,000	2,215
D) Travelling and expenses to and from Sustut - Vancouver for ancillary staff - C.P. Air, N.T. Air.	451	450	901
<u>Diamond Drilling</u>			
E) Field expenses - core boxes.	3,339	700	4,039
F) Local transportation - 206B, FH1100, S58T helicopters for moving drills between set-ups.	21,537	5,000	26,537
G) Travelling expenses: Vancouver - Sustut for drill crew, mobilization time for snow removal opening camp, maintenance of equipment, C.P. Air/ N.T. Air tickets, helicopter transportation of personnel - airstrip to camp.	18,593	7,000	25,593
<u>Camp Operation</u>			
H) Salaries and wages - cooks X 2.	3,280	2,000	5,280
I) Camp supplies, less meal charge-outs to S & H Drilling Co.	6,763	5,000	11,763
	<u>\$81,801</u>	<u>\$31,350</u>	<u>\$113,151</u>
Totals			

2) 1973 Stockpile of Fuel for 1974

A) Transportation - truck Fort St. James - Johanson Lake.	\$ 2,506	
B) Helicopter (S58T and 206B) Johanson Lake - Sustut.	4,496	
C) Labour for loading and unloading	500	
	<hr/>	
Total	\$ 7,502	= \$6.53
	<hr/>	

Drilled footage in 1974:

to June 30	-	15,000 ft.
to July 24	-	19,000 ft.
est. to completion	-	25,000 ft.

∴ Unit indirect cost per foot ('74 costs) = \$4.83

3) Capital Cost of Camp Construction in 1973 \$72,250

4) Initial Mobilization of Drilling Equipment
in 1973 10,000

Total \$82,250

Total drilling on property '73 and '74 48,000 ft.

∴ Unit indirect cost per foot ('73 costs) = \$1.71

Total indirect costs/ft. = \$6.54
=====

A P P E N D I X C

DRILLING CONTRACT

DRILLING CONTRACT

FORM 2

THIS AGREEMENT made as of the 22nd day of March, 1974

BETWEEN:

WESTROB MINES LIMITED

#500 - 1112 West Pender Street
Vancouver 1, B.C.

V6E, 2S3.

(hereinafter called "the Company")

OF THE FIRST PART

- and -

S & H Drilling Company Limited,

13135 - 20th Avenue,

Surrey, B.C. V4A, 1Z1.

(hereinafter called "the Contractor")

OF THE SECOND PART

WITNESSETH that in consideration of the payments to be made by the Company and of the premises and mutual promises and agreements herein contained, the parties hereto agree as follows:

1. Introduction

The Contractor agrees to perform forthwith certain piping and diamond drilling (hereinafter sometimes called the "Work") on the land of the Company situated in the District of Omineca Mining Division in the Province of British Columbia and known as the Sustut Property.

2. Property

The Company shall allow the Contractor, at the Contractor's discretion, to look over the property and area to be drilled, and where possible shall indicate the position of set-ups. The Company shall at its own expense provide all rights of way, all rights of ingress or egress and all real property that may be required in connection with the Work including real property upon which all necessary temporary buildings may be erected, and other facilities required, and shall also warrant the quiet and peaceful possession of all such real property.

During the course of the Work, the Contractor shall at all times keep the Company's premises free from accumulation of waste material or rubbish and upon completion of the Work shall remove all tools, scaffolding, surplus materials and rubbish and leave the premises in a clean condition. It is the Contractor's responsibility to comply with the standards specified in the B.C. Litter Act to the satisfaction of the Company's representative.

3. Diamond Drills

The Contractor agrees to supply four diamond drilling outfits together with the necessary men and supplies to carry on the Work to operate 20 hours per day 7 days per week and to pay all expenses of the Work not otherwise provided for in this Agreement. All machines must be mobilized and ready to start drilling at the site not later than July 1st 19 74.

4. Footage

The Contractor agrees to sink by piping and/or bore by core drilling 16,000 lineal feet of AQ core drilling and the Company guarantees to the Contractor an aggregate minimum footage only of 16,000 lineal feet, holes to be not less than 150 lineal feet or not greater than 2000 lineal feet in depth, measurements to be taken from the top of the casing pipe.

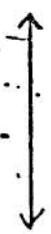
It is agreed that no hole shall be flatter than fortyfive (45) degrees.

If the Contractor and the Company's Representative mutually agree that loose and caving material will prevent successful completion of a hole, the Contractor shall not be obligated to drill to any specified depth.

5. Price per Foot for Piping

The price per foot for piping in overburden for AQ drilling shall be charged at the following rates:

From 0 feet to 25 feet in depth.....\$8.00.....per foot
Beyond 25 feet is cost plus 15%



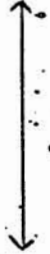
6. Pipe and Casing

It is agreed that the cost of all material lost or left in holes while driving pipe or drilling shall be borne by the Contractor.

However should the Company's Representative instruct the Contractor to leave any pipe or casing in the holes, the Company will pay for the same at cost per foot, FOB drill site.

It is agreed that if a hole requires reaming to allow drilling to proceed, the Company will pay the Contractor at the following rates:

From 0 feet to 500 feet in depth.....\$2.50.....per foot



*CH
JAS*

7. Price per Foot for Core Drilling

The price per foot for AQ core drilling shall be charged at the following rates:

From 0 feet to 500 feet in depth.....\$7.20.....per foot

500 feet to 1000 feet in depth.....\$7.80.....per foot

1000 feet to 1500 feet in depth.....\$8.80.....per foot

1500 feet to 2000 feet in depth.....\$9.80.....per foot

For holes at the 6300 ft. elevation or higher, there will be an additional charge of 25¢ per lineal foot of core drilling.



*CH
JAS*

(a) When the total footage drilled exceeds 16,000 feet, the above prices may be reconsidered.

CH
JH



(c) Costs: Any reference to COST in the Agreement shall be interpreted as follows: All labour provided by the Contractor will be at the all-inclusive rate of \$8.25 per manhour. All material and supplies provided by the Contractor will be at cost, plus a nominal 15% for handling, accounting, et cetera.

8. Mobilization and Demobilization

It is agreed the cost and expense of moving the Contractor's drills, as well as all equipment, parts, supplies and personnel necessary for the work from Vancouver, British Columbia, to the initial drill site and return thereof from the final drill site to Vancouver, British Columbia, shall be for the Company's account. It is also agreed that the Contractor will supervise operations involved if at all possible, and the Company will remunerate the Contractor for expenses. This includes wages at \$8.25 per man hour and a maximum of one day's travelling time for the Contractor's crews to the first drill site. The above transportation at the Company's expense does not include transportation charges for unscheduled replacement labour or replacement parts, the cost of which shall be borne by the Contractor.

9. Water Supply

The Contractor agrees to pump water against pressures of up to 325 pounds per square inch over distances up to 2000 feet. Pumping over distances and heads in excess of this will be at cost plus 15%.

10. Surveying Holes

The Contractor agrees to supply an Inline Clinometer; test tubes and four percent Hydrofluric Acid and take tests, for dip angle only, that may be required

by the Company, and the charge per test shall be as follows:

From 0 feet to 1000 feet in depth.....\$20.00.....per test

However should the Company request the use of other types of surveying equipment such as a Pajari Bore Hole Surveying instrument, the Company agrees to have an Engineer on the job and pay the Contractor \$16.50 per hour for the men and equipment for the time required to do the survey and \$8.25 per hour per man while waiting for instructions.



Handwritten signature or initials, possibly 'C.H. S.'

12. Extra Footage

If the Contractor sees fit to back up a hole for reasons of its own and starts to redrill the hole, such drilling shall be at the Contractor's expense until the hole arrives at the depth previously turned in to the Company.

13. Cementing

(a) It is agreed that the return flow of water must be kept in all drill holes. If a hole requires cementing due to lost water or rock cave the drilling may be stopped to permit cementing but such stoppages shall be only with the consent

of the Company's Representative.

The cost of cement and cementing shall be paid for by the Company at the following rates:

From 0 feet to 1000 feet in depth.....\$200.00.....per cement job

It is agreed that a "cement job" shall include up to three bags of cement; quantities of cement in excess of three bags will be chargeable to the Company at COST.

(b) If it is mutually agreed that drilling mud or drilling mud additives are required, the extra cost of using mud or drilling mud additives will be invoiced to the Company at COST.

(c) It is agreed that any unreasonable delay caused by the necessity of waiting for instructions shall be paid for by the Company at COST.

14. Moving

It is agreed that all costs, other than helicopter charges, of moving from hole to hole shall be borne by the Contractor, except when the move is less than 150 feet when the cost is for the Company's account. No further consideration of costs of moving and setting up shall be given, but the Company agrees to co-operate in every way possible to avoid difficult moves and set-ups.

15. Core

It is agreed that the core shall be kept in boxes provided by the Company and the Contractor shall cover, wire and transport all core from the drill site to a location, designated by the Company's Representative at the time of the site inspection described in Clause 2, at no cost to the Company, except that the Company will pay for helicopter time.

16. Daily Reports

The Contractor agrees to give the Company's Representative carbon copies of all daily diamond drill reports, daily.

17. Camps

The Company will provide camps, and cookery and will provide board for the Contractor's Representative(s) at \$3.50 per meal.

18. Workmen's Compensation

The Contractor agrees, at its own expense, to comply with all requirements of the Mechanic's Lien Act, Workmen's Compensation Act, Unemployment Insurance Act, Hours of Work and Vacations with Pay Act and generally all Federal and Provincial Acts and Regulations concerning employment applicable to the Contractor's operations, including obtaining all necessary permits and licenses, and agrees to indemnify the Company against all claims, loss, damages and expenses incurred by the Contractor's failure to make the necessary returns or payments or by any violation of any such Acts and/or Regulations.

19. Payment

Invoices will be rendered twice monthly, and will be due and payable in full in Canadian funds within 30 days after receipt thereof by the Company.

20. Performance and Efficiency

It is mutually agreed that the Company's Representative and Contractor's Foreman will co-operate so that as high a percentage of core recovery will be made as due diligence will allow.

The Contractor shall at all times enforce strict discipline and maintain good order among its employees and shall not retain on the Work, any unfit person or anyone not skilled in the work assigned to him. Any employee of the Contractor who is objectionable or unsatisfactory to the Company shall be removed from the Work and replaced by an employee satisfactory to the Company.

21. Drill Results

The Contractor will not give out any information regarding drill results or permit access to any drill core to any person other than the Company's accredited representative except upon specific permission of responsible officials of the Company.

22. Regulations

The Contractor shall comply with all laws, ordinances, rules, safety and other regulations bearing on the conduct of the Work and shall bear all costs arising from any violation thereof. The Contractor shall comply with all laws, ordinances and rules concerning pollution.

The Company agrees to consider an adjustment in the prices set forth in Clauses 5, 6 and 7 of this Agreement in the event that the Contractor incurs

additional costs attributable to laws which were not in effect at the date of execution of this Agreement.

23. Protection of Persons and Property

(a) The Contractor shall take all reasonable precautions against risks of loss of life or injury to its employees or the Company's employees or any other person employed at the site of the Work, or to authorized visitors.

(b) The Contractor shall take all responsible precautions to protect the property of the Company and of other Contractors, if any, from all injury arising in connection with this Agreement and the performance of the Work.

(c) The Contractor shall indemnify and save harmless the Company from and against any and all claims, damages, loss, cost, expenses, actions and suits arising as a consequence of any illness, injury or death of any employees of the Contractor, however caused. The Contractor shall hold the Company harmless from any third party claims or personal injuries, death or property damage arising out of the failure of the Contractor, its Sub-Contractors, agents or employees to fully comply with any term or condition of this Agreement or caused by or arising out of or in connection with, whether directly or indirectly, the Work under this Agreement, or by reason of any matter or thing done, permitted or omitted to be done by the Contractor, its Sub-Contractors, agents or employees and whether or not occasioned by the negligence of the Contractor, its Sub-Contractors, agents or employees.

(d) The Contractor shall be liable for all loss and damage to the property of the Company, including property of the Company in the care, custody or control of the Contractor or occupied or used by it, caused by or arising out of directly or indirectly the negligence of the Contractor, its Sub-Contractors, agents or employees.

24. Employees

(a) The Contractor shall comply with all provisions of the Annual Holidays Act, Hours of Work Act, Human Rights Act, Labour Regulations Act, Male Minimum Wage Act, Payment of Wages Act, and Workmen's Compensation Act, the Unemployment Insurance Act, the Income Tax Act of Canada and all other applicable statutes and regulations of Canada and its executive and administrative agencies and all applicable trade and union agreements respecting wages and working conditions of the Contractor's employees engaged on the Work, and make all payments, contributions,

additional costs attributable to laws which were not in effect at the date of execution of this Agreement.

23. Protection of Persons and Property

(a) The Contractor shall take all reasonable precautions against risks of loss of life or injury to its employees or the Company's employees or any other person employed at the site of the Work, or to authorized visitors.

(b) The Contractor shall take all responsible precautions to protect the property of the Company and of other Contractors, if any, from all injury arising in connection with this Agreement and the performance of the Work.

(c) The Contractor shall indemnify and save harmless the Company from and against any and all claims, damages, loss, cost, expenses, actions and suits arising as a consequence of any illness, injury or death of any employees of the Contractor, however caused. The Contractor shall hold the Company harmless from any third party claims or personal injuries, death or property damage arising out of the failure of the Contractor, its Sub-Contractors, agents or employees to fully comply with any term or condition of this Agreement or caused by or arising out of or in connection with, whether directly or indirectly, the Work under this Agreement, or by reason of any matter or thing done, permitted or omitted to be done by the Contractor, its Sub-Contractors, agents or employees and whether or not occasioned by the negligence of the Contractor, its Sub-Contractors, agents or employees.

(d) The Contractor shall be liable for all loss and damage to the property of the Company, including property of the Company in the care, custody or control of the Contractor or occupied or used by it, caused by or arising out of directly or indirectly the negligence of the Contractor, its Sub-Contractors, agents or employees.

24. Employees

(a) The Contractor shall comply with all provisions of the Annual Holidays Act, Hours of Work Act, Human Rights Act, Labour Regulations Act, Male Minimum Wage Act, Payment of Wages Act, and Workmen's Compensation Act, the Unemployment Insurance Act, the Income Tax Act of Canada and all other applicable statutes and regulations of Canada and its executive and administrative agencies and all applicable trade and union agreements respecting wages and working conditions of the Contractor's employees engaged on the Work, and make all payments, contributions,

deductions and other remittances and all reports, returns and statements required of employers under such laws and agreements, and cause its Sub-Contractor(s), if any, to comply with the foregoing requirements with respect to such Sub-Contractor(s) employees.

(b) The Contractor shall indemnify and save harmless, the Company from and against any costs, loss, liability, obligation or lien which may arise as a consequence of or grow out of any failure by the Contractor or any of its Sub-Contractor(s) fully to comply with the provisions of Clause 24 (a) hereof.

25. Notices

Any notice desired or required to be given hereunder may be sent by pre-paid registered mail addressed:

- (a) To the Contractor at: 13135 - 20th Avenue,
Surrey, B.C., V4A,1Z1.
- (b) To the Company at: #500 - 1112 West Pender Street
Vancouver 1, B.C., V6E,2S3.

or may be delivered to such respective addresses and any such notice shall be deemed to have been received on the day of its mailing or delivery.

26. Insurance

The Contractor shall at its own expense maintain such insurance as will protect it from all claims and damages for personal injury, including death resulting therefrom, and from all claims for property damage arising from the operations under this Agreement in an amount not to exceed five-hundred-thousand dollars (\$500,000.00) inclusive for personal injury and two-hundred-fifty-thousand dollars (\$250,000.00) for property damage for all liabilities for any one accident or occurrence. Certificates of such insurance shall be filed with the Company upon request.

27. Obligation of Contract

This Agreement shall be binding upon the parties hereto, their respective heirs, personal representatives, successors and permitted assigns, but shall not be assigned by the Contractor without the written consent of the Company.

28. Time is of the essence of this Agreement.

29. Delays

In complying with the obligations of this Agreement neither the Company nor the Contractor shall be responsible for delays caused by labour disputes, strikes, fire, unusual delay by common carriers or unavoidable casualties, or

without limitation to any of the foregoing, by any cause of any kind whatsoever beyond their control.

IN WITNESS WHEREOF the Parties hereto have executed this Agreement under their respective corporate seals and the hands of their respective proper officers duly authorized in that behalf.

SIGNED, SEALED AND DELIVERED
in the presence of:

F. Mitchell

WESFROB MINES LIMITED

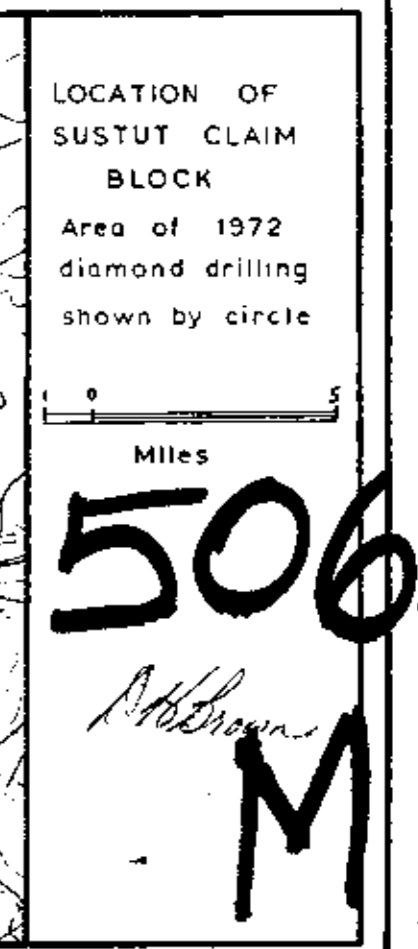
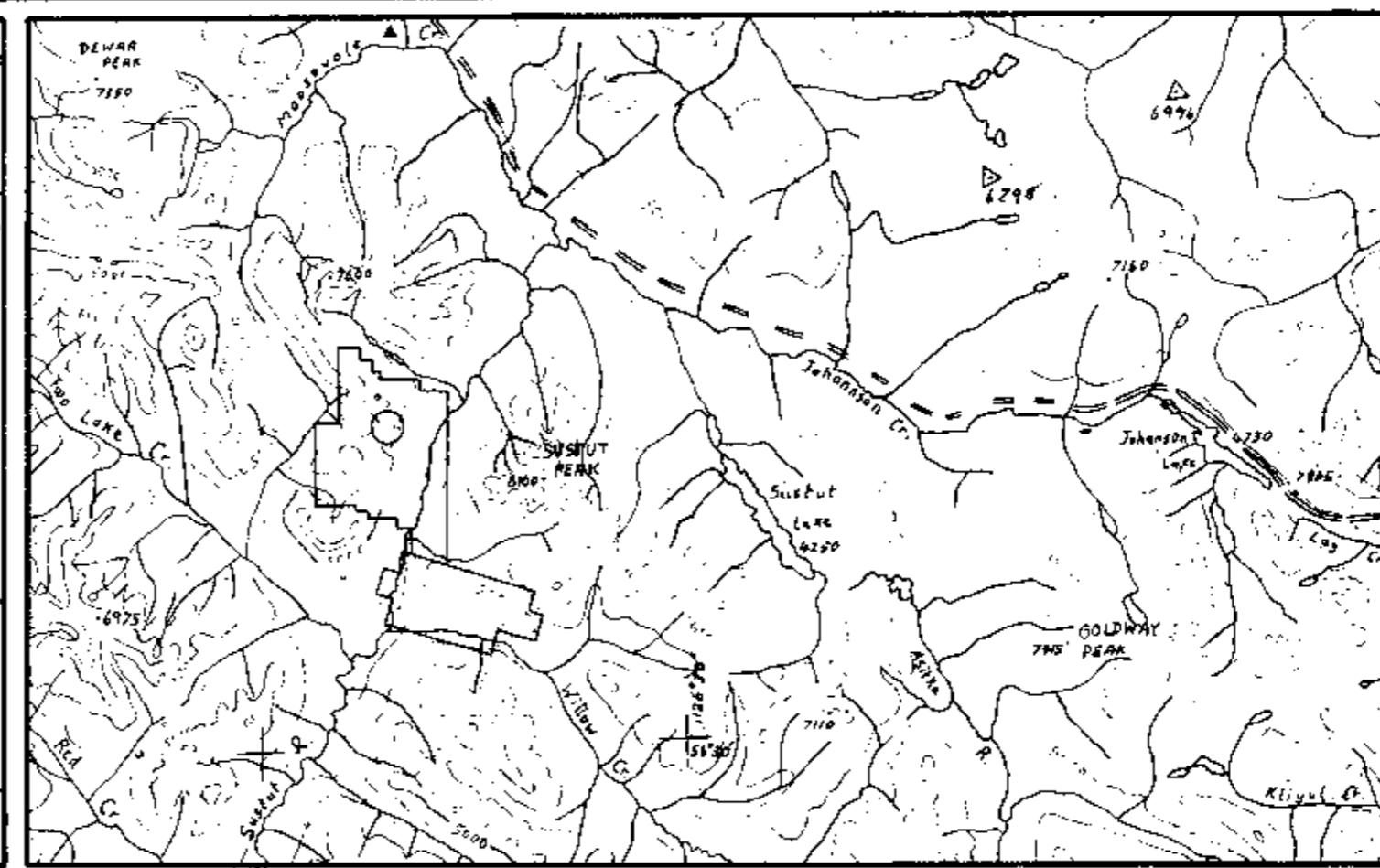
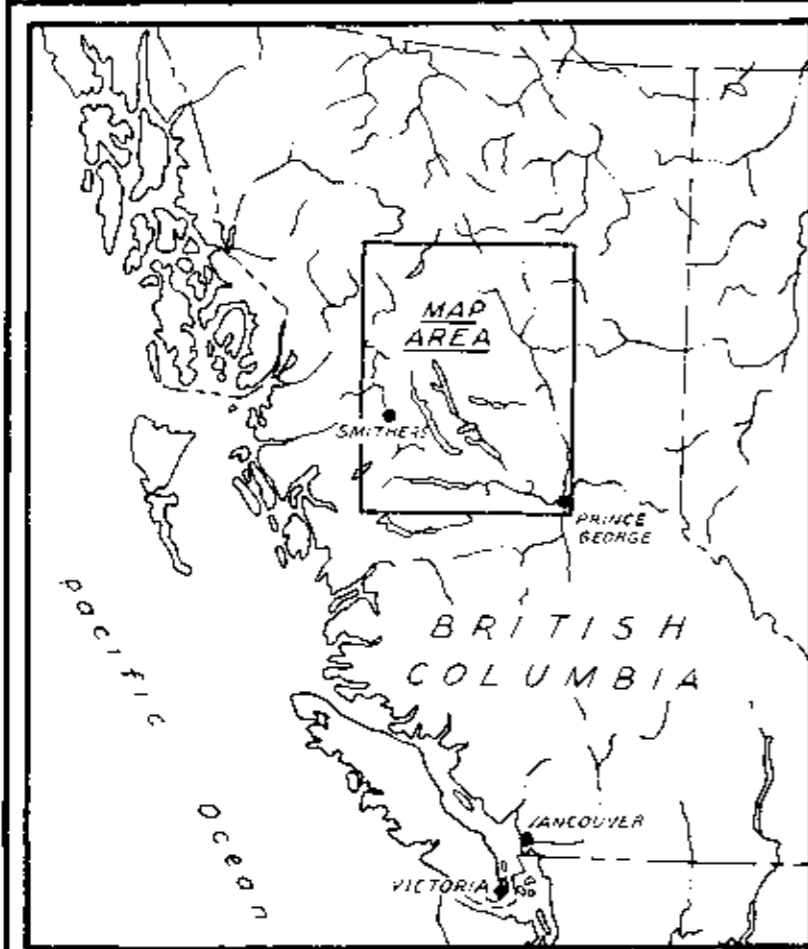
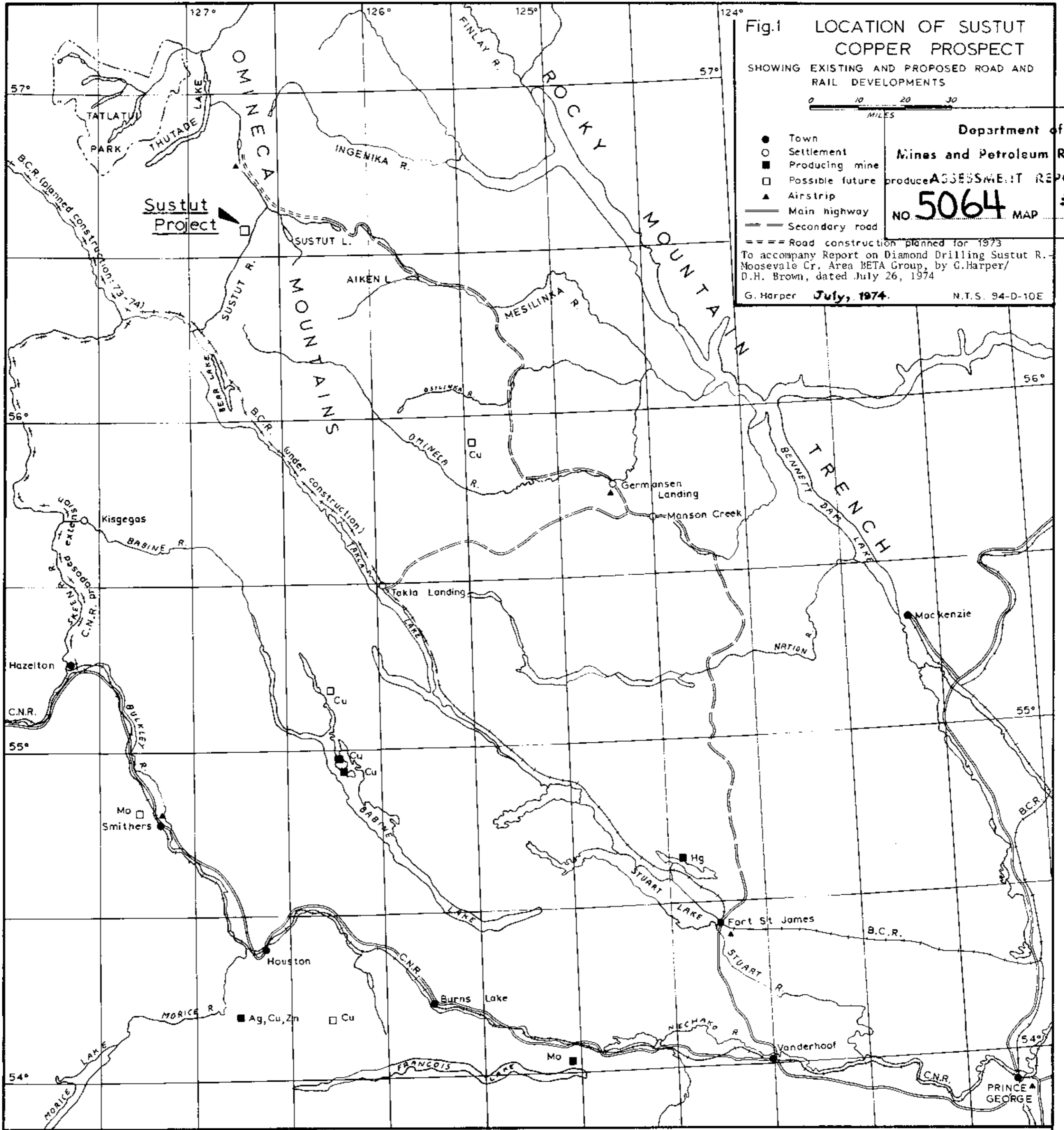
By _____

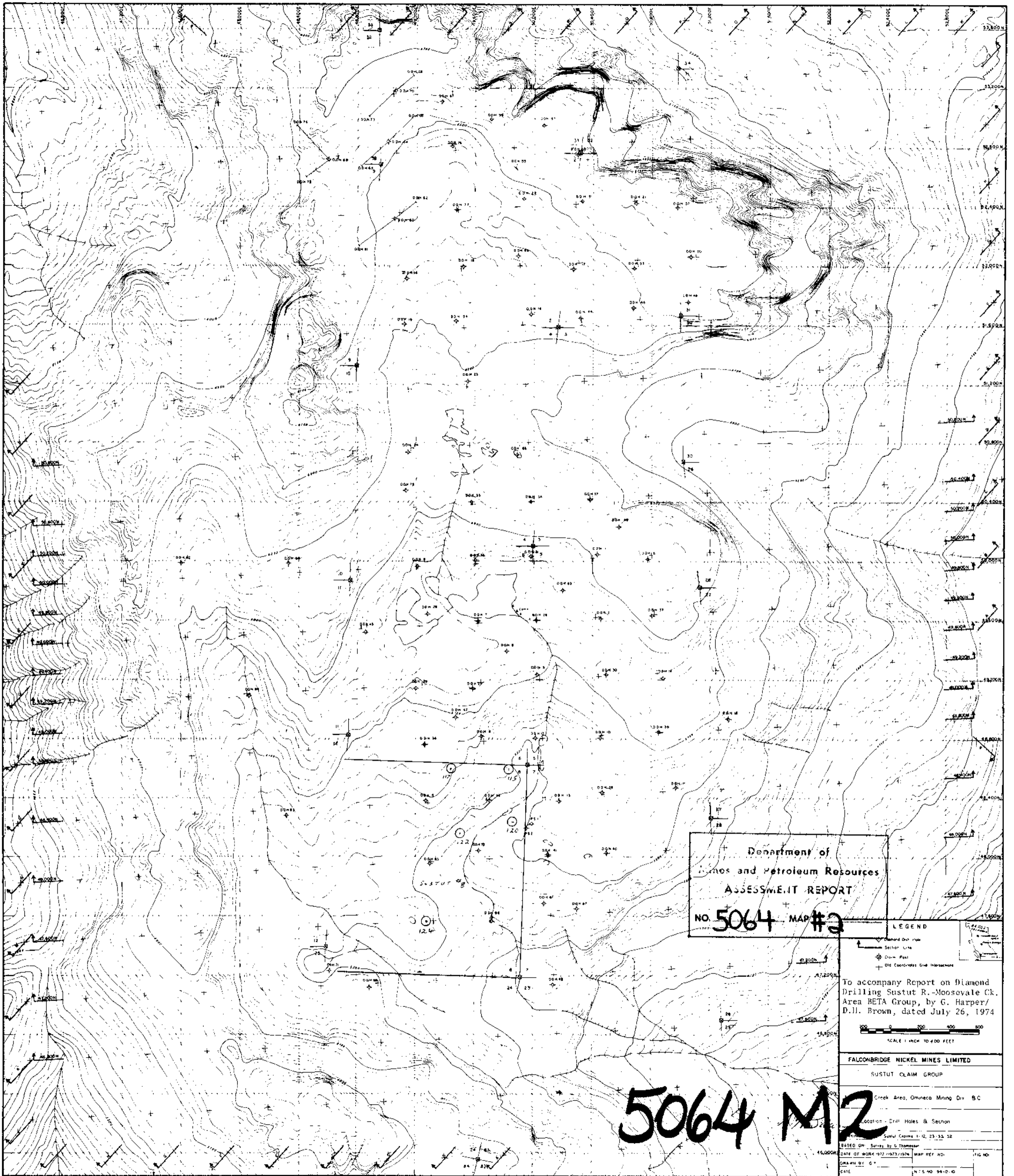
By _____

By *[Signature]*

S & H Drilling Company Limited

By *[Signature]*





Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5064 MAP #2

LEGEND
 Diamond Drill Hole
 Section Line
 Claim Post
 Old Contour Line Intersection

To accompany Report on Diamond
 Drilling Sustut R.-Moosevale Ck.
 Area BETA Group, by G. Harper/
 D.H. Brown, dated July 26, 1974

SCALE 1 INCH TO 400 FEET

FALCONBRIDGE NICKEL MINES LIMITED
 SUSTUT CLAIM GROUP
 Creek Area, Omineca Mining Div. BC
 Location - Drill Holes & Section
 Serial Claims 1-12, 23-32, 32
 BASED ON Series by G. Thompson
 DATE OF WORK 1972/1973/1974 MAP REF. NO. FIG. NO.
 DRAWN BY G. DATE N.T.S. NO. 94-D-10

5064 M2