

Diamond Drilling

31L13NW9779 38 BRIGGS

010

Township of BRIGGS

Report Nº: 38

Work performed by: Sturdy Mines Limited (Cerro Option)

Claim Nº	Hole Nº	Footage	Date	Note
278827	71-S.B.1 71-S.B.2 71-S.B.3	253.0' 272.0' 309.0'	May/71 May/71 June/71	
278821	71-S.B.4	229.01	June/71	
278825	71-S.B.5	153.0	June/71	
278822	71-S.B.6 71-S.B.7	153.0' 209.0'	June/71 June/71	
278818	71-S.B.8	600.01	June/71	

Notes:

NAME OF PROPERTY STURDY MINES LIMITED (CERRO OPTION)

HOLE NO. 71-S.B.-1

LENGTH 253'

LOCATION Claim No. 278827, Briggs Twp., Nipissing Dist., Ontario

LATITUDE L.20 + 45 S

DEPARTURE 16 + 26 W (Grid)

ELEVATION 1' above swamp AZIMUTH 270°

STARTED May 26, 1971 FINISHED May 27, 1971

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
2001	-1;4°				

HOLE NO. 71-SB-1 SHEET NO. 1

REMARKS Drill hole is located at 50' due east of new showing.

LOGGED BY S. CUIMOND

FROM TO		F 0 0 1	FAGE				SAMP	LE			Α	SSAY		
0 15 OVERBURDEN (Casing recovered) 15 97.7 ANDESITE Fine grained, greenish grey and dark grey, epidotized and chloritized, fine needle crystals in parts, small calcarcous seams, scattered fine leucoxene, homatite on the slips; mainly patchy pyrite, pyrrhotite and few specks of chalcopyrite. At 57.7! sub-massive chalcopyrite and bornite ½" to ½" wide in quartz-calcite stringer, c/a ½00. 63.9-64.9! Quartz feldspar porphyry dyke, medium grained greenish grey and pinkish hematized parts, lean, c/o ½00 70.3-74.0! Patchy pyrite, pyrrhotite and chalcopyrite, est. 0.5% sulphides. 79.8-82.2! Quartz feldspar porphyry dyke, similar to above. 97.7 178.5 GRANODIORITE Medium grained, grey and greenish grey, porphyritic, lean. Andesite sections at 116.8-119*, 120.8-122* and 122.5-125.6! with fine pyrite and few specks chalcopyrite, c/a 30-400. 178.5 203.3 FAULT ENECCIA Few small streaks of pyrite and pyrrhotite. 203.3 233.0 ANDESITE Similar to above with quartz calcite stringers 1/8 - ½", c/a 30-600. GRANODIORITE Similar to above. 100.01 0.02 21.8 21.8 24.8 3' 0.11 0.02 24.8 0.25 21.8 24.8 3' 0.12 0.01 0.12 0.01 0.12 0.01 0.12 0.01 0.12 0.01 0.12 0.01 0.12 0.01 0.13 0.05 0.05 0.05 0.05 0.05 0.0 85.0 85.0 5' 1.5- 85.0 89.5 4.5 0.06 TR 0.07 0.09 1.78.5 203.3 FAULT ENECCIA Few small streaks of pyrite and pyrrhotite. 223.3 0.253.0 GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, 10an.		FROM	то	DESCRIPTION	NO.	SUL PH-	FROM		TOTAL	• %	% Cu	Au oz/TON	Ag oz/Ton	
and chloritized, fine needle crystals in parts, small calcarcous seams, scattered fine leucozene, hematite on the slips; mainly patchy pyrite, pyrrhotite and few specks of chalcopyrite. At 57.7' sub-massive chalcopyrite and bornite 1" to 1" wide in quartz-calcite stringer, c/a 40°. 63.9-64.9' Quartz feldspar porphyry dyke, medium grained greenish grey and pinkish hematized partz, loan, c/o 40° 70.3-74.0' Patchy pyrite, pyrrhotite and chalcopyrite, est. 0.5% sulphides. 79.8-82.2' Quartz feldspar porphyry dyke, similar to above. 97.7 178.5 GRANODIORITE Medium grained, grey and greenish grey, porphyritic, lean. Andesite sections at 116.8-119', 120.8-122' and 124.5-125.6' with fine pyrite and few specks chalcopyrite, c/a 30-40°. 178.5 203.3 FAULT ERECCIA Few small streaks of pyrite and pyrrhotite. 233.0 253.0 GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.	Ì	0	15	OVERBURDEN (Casing recovered)										
### Wide in quartz—calcite stringer, c/a 400. 63.9-64.91 Quartz feldspar porphyry dyke, medium grained greenish grey and pinkish hematized partz, lean, c/o 400 70.3-74.01 Patchy pyrite, pyrrhotite and chalcopyrite, est. 0.5% sulphides. 79.8-82.21 Quartz feldspar porphyry dyke, similar to above. 97.7 178.5 GRANODIORITE Medium grained, grey and greenish grey, porphyritic, lean. Andesite sections at 116.8-1191, 120.8-1221 and 124.5-125.61 with fine pyrite and few specks chalcopyrite, c/a 30-400. 178.5 203.3 FAULT BRECCIA Few small streaks of pyrite and pyrrhotite. 203.3 233.0 GRANODIORITE Similar to above with quartz calcite stringers 1/8 - ½", c/a 30-600. 233.0 253.0 GRANODIORITE Similar to above. 227.7-228.21 Fine grained, dark basic diabase dyke, lean.	6-1168	15	97.7	and chloritized, fine needle crystals in parts, small calcareous seams, scattered fine leucoxene, hematite on the slips; mainly patchy pyrite, pyrrhotite and few	416	0.25	21.8	24.8	31		0.11	0.02	TR	
est. 0.5% sulphides. 79.8-82.2' Quartz feldspar porphyry dyke, similar to above. 97.7 178.5 GRANODIORITE Medium grained, grey and greenish grey, porphyritic, lean. Andesite sections at 116.8-119', 120.8-122' and 124.5-125.6' with fine pyrite and few specks chalcopyrite, c/a 30-40°. 178.5 203.3 FAULT ERECCIA Few small streaks of pyrite and pyrrhotite. 203.3 233.0 ANDESITE Similar to above with quartz calcite stringers 1/8 - ½", c/a 30-60°. 233.0 GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.	EM,			At 57.7' sub-massive chalcopyrite and bornite 4" to 2" wide in quartz-calcite stringer, c/a 40°. 63.9-64.9' Quartz feldspar porphyry dyke, medium grained greenish grey and pinkish hematized partz.		0.5	56.0	59.0	3†		0.12	0.01	TR	
79.8-82.2' Quartz feldspar porphyry dyke, similar to above. 97.7 178.5 CRANODIORITE Medium grained, grey and greenish grey, porphyritic, lean. Andesite sections at 116.8-119', 120.8-122' and 124.5-125.6' with fine pyrite and few specks chalcopyrite, c/a 30-40°. 178.5 203.3 FAULT ERECCIA Few small streaks of pyrite and pyrrhotite. 203.3 233.0 ANDESITE Similar to above with quartz calcite stringers 1/8 - ½", c/a 30-60°. 223.0 253.0 GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.					420	0.5	70.3	74.0	3.7					
97.7 178.5 GRANODIORITE Medium grained, grey and greenish grey, porphyritic, lean. Andesite sections at 116.8-119', 120.8-122' and 124.5-125.6' with fine pyrite and few specks chalcopyrite, c/a 30-40°. 178.5 203.3 FAULT ERECCIA Few small streaks of pyrite and pyrrhotite. 203.3 233.0 ANDESITE Similar to above with quartz calcite stringers 1/8 - ½", c/a 30-60°. 233.0 253.0 GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.				79.8-82.2' Quartz feldspar porphyry dyke, similar to		1.5-							TR TR	
203.3 233.0 ANDESITE Similar to above with quartz calcite stringers 1/8 - ½", c/a 30-60°. GRANODTORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.	-	97.7	178.5	lean. Andesite sections at 116.8-119', 120.8-122' and 124.5-125.6' with fine pyrite and few specks chalco-		2.0	·							
c/a 30-60°. C/a 30-60°. GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.		178.5	203.3	FAULT BRECCIA Few small streaks of pyrite and pyrrhotite.										
233.0 253.0 GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.	TED,	203.3	233.0											
253.0 END OF HOLE	37	233.0	253.0	227.7-228.2' Fine grained, dark basic diabase dyke,	-									
	SAST.	253.0		END OF HOLE										

NAME	OF	PROPERTY	STURI	Y MINES	LIMITED	(CERRO	OPTION	1)	
HOLE	NO.	71-S.B2		LENGTH	2721				•
LOCAT	101	Claim No. 2	278827,	Briggs '	Wp. Nip	issing D	ist.	Ontario_	_
		L.20 + 95 S							
		l' above s							
		May 28, 19							_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
271'	<u>-1:0°</u>				
			1		
			<u> </u>		

HOLE NO. 71-SB-2 SHEET NO. 1

REMARKS Drill hole is located at 50' on Az. 155° from new showing.

LOGGED BY S. GUILDOND .

s	TARTED	May	28, 1971 FINISHED _	May 31, 1971						LOGGE	D BY	1.4	eu	word
	FOOT	AGE					SAMP	LE			Α	SSA `	Y S	
	FROM	то		DESCRIPTION	NO.	SUL PH-	FROM	FOOTAGE	TOTAL	Či	76	Au oz/ton	Ag OZ/TON	
j	0	12.3	OVERBURDEN (Casing v	vas reamed to 19' - recovered)		1								
	12.3	16.8	BASIC DYKE Fine grain pyrite, p	ned, dark grey, small calcareous seams; fine										
E LIMITED, EMITED,	16.8	99.0	and chlorit calcareous mainly pate chalcopyrit At 20° 23.5° 23.8°	ed, greenish grey and dark grey, epidotized fine needle crystals in parts, small seams in sections, scattered fine leucoxene; thy pyrite, pyrrhotite and few specks of e, hematite on the slips. Calcareous seam 3" wide with pyrite and pyrrhotite, c/o 50°. Disseminated pyrite, pyrrhotite and chalcopyrite, 2" wide. Disseminated pyrite, pyrrhotite and chalcopyrite, ½" wide. Disseminated pyrite, pyrrhotite and chalcopyrite. Disseminated very fine chalcopyrite and bornite and small patches. Granodiorite, medium grained, grey and greenish grey, epidotized sections, hematite on slips, porphyritic with quartz and feldsp phonocrysts, scattered fine leucoxene. Patch of disseminated pyrite, pyrrhotite and chalcopyrite, 1½" wide. Disseminated fine pyrite, pyrrhotite and chalcopyrite, 2" wide. Disseminated fine pyrite, pyrrhotite and chalcopyrite, 2" wide. Diss. fine pyrite, pyrrhotite & chalco. 3" wi Submassive pyrrhotite & chalco., ½" wide len Rose quartz stringers, widest 5", 60% quartz lean, c/a 40°.	de 422		48.8 78.2	52.0	3. 2	0.05		O.01	NIL	

NAME OF	PROPERTYS	STURDY MINES LIMITED	(CERRO OPTIC	ON)
HOLE NO.		LENGTH		
LOCATION				
LATITUDE .		DEPARTURE		
ELEVATION		AZIMUTH	DIP	
STARTED		FINISHED		

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
			}		

HOLE NO. 71-SB-2 SHEET NO. 2 REMARKS _____

LOGGED BY A. Lucinor ASSAYS FOOTAGE SAMPLE DESCRIPTION FOOTAGE NO. SULPH-FROM OZ/TON OZ/TON то FROM то TOTAL 99 243 GRANODIORI TE Similar to above, scattered fine pyrite, pyrrhotite and few specks of chalcopyrite. 162.5-164.0' Basic dyke, fine grained, dark grey, 170.0-172.8' Basic dyke, fine grained, dark grey, lean. 180.0-190.0' High mafix. At 204.01 Very fine disseminated pyrrhotite and few specks chalcopyrite. 231.1-240.3' Diabase dyke, fine grained, dark grey, laths present but no ophitic texture, scattered fine pyrrhotite. 243 246 Similar to above, c/a 60°. DIABASE DYKE 246 250 ANDESITE Similar to above, lean. 250 261 DIABASE DYKE Similar to above, top c/a 70°, bottom c/a 35-40°. 261 272 GRANODIORITE Similar to above, lean. 272 END OF HOLE

NAME OF	PROPERTY _	STURDY	MINES	LIMITED	(CERRO	OPTION)
HOLE NO.	71-S.B3		ENGTH	30	91		
	Claim No.						Ontario
	L22 + 00	os ,	50 00711	B= 15 +	47 W	(Grid)	
ELEVATION	App. 7' low holes lar	ver than	71MUTH	2920		n!P	_1,50
CTAPTED	holes lar	1d 2	INICUED	Ju	ne 4. 79	97 1	

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
3001	_38°				

HOLE NO. 71-SB-3 SHEET NO. 1

REMARKS Hole was drilled along
Line 22 + 00 S, Azimuth 292°.

LOGGED BY S. GUIMOND

	F001	FAGE	DESCRIPTION			SAMP	LE			Α	SSA	' S	
	FROM	то	DESCRIPTION	NO.	SUL PH-	FROM	FOOTAGE TO	TOTAL	Cij	Ní	OZ/TON	OZ/ TON	
	0	14	OVERBURDEN (Casing recovered)							- J N			
EM. 0.1168	14	158	GRANODIORITE Medium grained, greenish grey epidotized with short pinkish grey hematized sections, other sections are darkish green and grey mottled, chloritized in parts, porphyritic with quartz and feldspar phenocrysts, scattered fine leucoxene, fine calcareous seams. 33-35 Minor pyrite and few specks of chalcopyrite in epidotized parts. 44.5-50' Est. 18% quartz-calcite, fine pyrite and few specks of chalcopyrite. 100-105' Est. 1% pyrite and pyrrhotite and specks chalcopyrite. 105-108.5' Basic dyke, fine grained, dark grey, lean,	424		44.5 100 110	50.0 105 115	5.5 5 5	0.03 TR TR		TR TR TR	NIL NIL	
			c/a 50°. 133-134' Basic dyke, fine grained, dark grey, lean.	426	1.0	120	125	5	TR		TR	NIL	1
			110-158' Fine pyrite and pyrrhotite and specks of chalcopyrite.	427	1.5	130	135	5	TR		TR	NIL	
•	158	185	CHILLED CONTACT, QUARTZ-FELDSPAR PORPHYRY Fine grained, grey, est. 1% fine pyrite, pyrrhotite and few fine specks of chalcopyrite. 182-183' Basic dyke, fine grained, dark grey, lean c/a 25-30°.	428 429	1.0	140 153	145 158	5 5	TR TR		0.01 TR	TR NIL	
LANCA OF LIMITED,	185 231.5		METAGABBRO Medium grained, greenish grey, chloritized and epidotize parts granitized, highly calcareous. 185-195' Est. 1.5 to 2% pyrite, pyrrhotite and chalco 195-231.5' Est. 1% pyrite, pyrrhotite and chalcopyrite. ANDESITE Fine grained, greenish grey, chloritized, highly calcareous c/a 40°. Est. 1% pyrite and pyrrhotite disseminated and few 1/8" to 4" streaks.	430	1.5 to 2.0 1 1	185 226 231.5 245	190 231.5 238.5 252	5 5•5 7 7	0.06 0.01 0.02 0.03	TR	O.Ol TR TR TR	TR	
								-	-				

- Diamond Drill Record

NAME OF	PROPERTY	STURDY MINES LIMITED	(CERRO OPTION)	
HOLE NO.		LENGTH		
LOCATION	<u> </u>			
LATITUDE		DEPARTURE		
ELEVATION		AZIMUTH	DIP	
STARTED		FINISHED		

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 71-SP-3 SHEET NO. __2__ REMARKS_

10

		AZIMUTH DIP										<i>/</i>	
STARTE	ED	FINISHED							LOGGE	D BA	X . \forall	eeen	week
FOO	TAGE					SAMP	L E			^	SSAY	′ S	
FROM	ТО	DESCRIPTION		NO	SUL P	FROM	FOOTAGE	TOTAL	યું	76	OZ/TON	oz/ton	
264.7	309	QUARTZ-FELDSPAR PORPHYRY Fine grained, grey, calcareous, c/a 35-40°, little pyrite, lean	•	-									
309		END OF HOLE		en menore de la finale de la fi									
EM. 6-1163		Hole had to be cemented twice at 100 - 162.5	٠.										
								·					
E LIMITEO,													
LANGRIE				-									
T A													
							<u> </u>						

NAME OF	PROPERTY	STURDY	MINES I	LIMITED	(CERRO	OPTION)	
HOLE NO.	71-S.B4		LENGTH	229	•		
LOCATION	Claim No.	278821,	Briggs	Twp., N	ipissin	g Dist.,	Ontario
LATITUDE	L•7 + 98'	N	DEPART	~.	00 E		
ELEVATION	App. 25 ab creek swamp	ove	AZIMUTH	115	0	DIP	- 45°
STARTED	June 7, 19	71	FINISHE		ne 8, 1	971	

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	-42°				

HOLE NO. 71-SB-4 SHEET NO. 1

REMARKS Hole was drilled 50' back of old showing.

!	ELEVATI Started	June	7, 1971 AZIMUTH 115° DIP -45° 7, 1971 June 8, 1971						LOGGE	D BY	S. GUI	HOMO	mon
	FOO	r a G E				SAMF	LE			K	SSAN	′ S	
	FROM	то	DESCRIPTION	NO.	SUL PH	FROM	FOOTAGE	TOTAL	Ću	76	OZ/TON	oz/ton	
	σ	5	OVERBURDEN (Casing recovered)										
EM. 6-1168	5	229	GRANODIORITE Medium grained, greenish grey and sections pinkish grey hematized, partly epidotized and some calcareo seams, two altered sections with high chlorite and minor sulphides. 58.3-61.0' altered fault section, fine-grained, high mafics and chlorite, est. 1% very fine, patchy, disseminated pyrite pyrrhotite, chalcopyrite and specks of bornite, c/a 70°. 121.5-131.5' Similar to above, c/a 50°	431	1.0	58•3 121•5 126•5	61.0 126.5 131.5	2•7 5 5	0.12 TR 0.04		O•Ol TR TR		
	22 9		END OF HOLE										
•													
LANGR ; LIMITED,								•					

NAME OF	PROPERTY	STURDY	MINES L	IMITED	(CERPO O	PTION)	
HOLE NO.	71-S.B5		LENGTH _	153	3'		
LOCATION	Claim No.	278825	, Briggs	Twp.,	Nipissing	Dist.,	Ontario
LATITUDE	L.7 + 48'	N	DEPARTUE	? F.	2 + 00 E		
	Same as hol	e # 4	AZIMUTH	115		D1P	-45°
	June 10. 1	077	E.M.CHED		ne 10. 197	_	

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	40°				
			!		

HOLE NO. 71-SB-5 SHEET NO. 1

REMARKS Hole is 50' south (grid)
of hole 71-SB-4.

LOGGED BY S. GUDMOND

	STARTE	o danc	10, 19/1 FINISHED JUILE 10, 19/1								1.	Leun	يدح
	FOO	TAGE	DESCRIPTION		• .	SAMP	LE			^	SSA	Y S	
	FROM	то	DESCRIPTION	NO.	SUL PH	FROM	FOOTAGE TO	TOTAL	હ	る	OZ/TON	oz/ton	
	0	17	OVERBURDEN (Casing recovered)										
EM. 6-1168	17	153	GRANODIORITE Medium grained, greenish grey, partly epidotized and some calcareous seams, lean. 58.0-69.2' altered fault section, fine grained, high mafics and chlorite, very fine patch of disseminated pyrrhotite and few specks chalcopyrite near 69'. c/a 70-80° 79.9-106.0' Similar altered fine grained sections as above in the granodiorite, fine flakes of pyrrhotite and chalcopyrite on slip planes at 90.3'; 90.8'; and 95; c/a 30-50°. 104.8-105.2' Fault breccia in calcite matrix.										
	153		END OF HOLE										
							-						
LANGRIDGE LIMITED,				-									

NAME OF	PROPERTY	STURD	Y MINES	LIMITE	D (CERRO	OPTION)
00 E NO	71-S.B6		LENGTH	1.5	31		
HOLE NO.	Claim No.	278822.	Briggs	Twp.,	Nipissing	Dist.,	Ontario
LOCATION	L.8 + 98	N	DEDART	1196	2 + 001	Ε	_
LATITUDE	Same as ho	ole 4	DEPART	, 1	150	חוף	-450
	June 12.						

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
1501	-43°				
	_	ļ			

HOLE NO. 71-SB-6 SHEET NO. 1

REMARKS Hole is 100' North (Grid)

of Hole 71-SB-4

L E	ATITUDE LEVATIO	Same	as hole 4 AZIMUTH 1150 DIP -450						LOGGE		S. GUIM	on d	,
			12, 1971 FINISHED June 14, 1971		!	·			LOGGEL		1.	Ver	mon
į	FOOT	A G E				SAMP	LE			A	SSAY	s	
	FROM	то	DESCRIPTION	NO.	SUL PH IDES	FROM	FOOTAGE	TOTAL	Cù	-č	Au oz/Ton	oz/ton	
	0	5	OVERBURDEN (Casing recovered)										
EM, 6-1168	5	153	GRANODIORITE Medium grained, grey and greenish grey chloritized and epidotized, short sections reddish hematized, other sections mottled of above colours. Porphyritic with quartz-feldspar phenocrysts, has narrow calcareous seams and fine grained streaks of high mafix, chloritize epidotised and parts porphyritic. 5 - 9 Small epidotized seam 1/16" wide along the core with pyrrhotite and chalcopyrite and some disseminated. The eye-bolt drill anchor hole at 1' to the west was lean. 11.8-12 Couple specks of chalcopyrite, the rest of the hole is more lean, having only a few scattered specks of pyrrhotite and chalco. 28.1-28.5 White quartz-calcite and chlorite. 38.4-38.6 White quartz and chlorite, c/a 600.	437	0.8	5	9	4*	0.12		0.05		
LUNGR LIMITED.			Fine Grained Streaks at: 45.0 - 45.3; 46.2 - 47.6; c/a 70° 49.0 - 50.7; c/a 50-70° 51.8 - 52.0; 52.2 - 53.0; 53.6 - 53.8; 54.1 - 55.8; 59.0 - 59.1; 60.3 - 60.4; 61.8 - 62.3; 63.3 - 66.6; c/a 80° 77.2 - 77.8; 82.2 - 83.0; 87.8 - 88.0; 88.5 - 89.4; 96.0 - 97.5; 100.8 - 101.6; 104.0 - 104.4; 108.2 - 109.0; 112.0 - 112.7; c/a 40° 113.5 - 114.0; 115.0 - 116.0; 120.8 - 121.9; c/a 70-8 142.3 - 143.2; c/a 70-80° At 82' fault fractures with quartz-calcite breccia, c/a	00									

NAME (OF	PROPERTY	STURD	Y MINES	LIMI TED	(CERRO	OPTION)
HOLE N	٧٥.	71-S.B7		LENGTH	209	1		
LOCATI	ON	Claim No.	278822.	Briggs	Twp., Ni	pissing	Dist.,	Ontario
LATITU	DΕ	L 12 + 00 1	N	DEPARTU	JRE3	+ 50' E	·	·
ELEVAT	ION	Approx. 7	above	AZIMUTH	2950	_	DIP	-45°
STARTE	ED _	Approx. 7' holes 4, 5 June 16,	1971	FINISHE	J.	une 17,	1971	

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
/ 2081	-l ₄ l ₁ °				

HOLE NO. 71-SB-7 SHEET NO. 1

LOGGED BY S. GUIMONS,

j	F 0 0 1	OOTAGE				SAMPLE					ASSAYS				
ľ	FROM	то	DESCRIPTION	NO.	SUL PH-	FROM	FOOTAGE	TOTAL	રહે	76	AU OZ/TON	oz/ton			
	0	6	OVERBURDEN (Casing recovered)	1											
108	6	23.2	HIGH MAFICS, CHLORITIZED & EPIDOTIZED, grey and greenish grey, fine grained, fine scattered pyrite and few specks of chalcopyrite; contact c/a 45°												
E.VI. 0 - 110 5	23.2	146	GRANODIORITE Medium grained, grey and greenish grey, chloritized and epidotized; reddish hematized short sections and slip planes, few fine grained high chlorite narrow streaks up to 1" wide, c/a 45-60°. 23.2 - 38' Few fine scattered specks pyrite and chalcopyrite and some on the slip planes c/a 40-45°. 45 - 47' Scattered fine pyrite and chalcopyrite, lean. 50 - 65' Scattered fine pyrite and chalcopyrite, lean. 112 - 125' Scattered fine pyrite and chalcopyrite, lean. 136.5 - 139' Fine grained, chloritized section contain fault breccia with fine pyrite at 137.5-138'.												
	1/46	153	SHEAR ZONE Top schistosity c/a 35°; bottom schistosity c/a 45-50° 146 - 151° Scattered fine pyrite.	440	0.5	146	151	5			TR				
	153	209	GRANODIORITE Similar to above, lean. 188 - 199 Few scattered specks of pyrite and chalco- pyrite.												
	209		END OF HOLE	-							-				

NAME O	F PROPERTY	STURDY MII	NES LIM	I TED	(CERRO	OPTION)		
HOLE N	o. <u>71-S.B8</u>	LEN	NGTH	600	†			
LOCATIO	N Claim No.	278818, Br	iggs Tw	p., Ni	pissing	Dist.,	Ontario	
LATITUD	E L.20 + 001	N DEF	PARTUR	= 7+	31' W	(Grid)		
ELEVATI	on Approx. 15	1 above AZI	MUTH _	1150		_ DIP _	-1 ₊ 5°	
STARTED	June 22, 19	71 FIN	ISHED _	June	28. 19	971.		

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
300 ¹	-43°				
5701	-410				

HOLE NO. 71-SB-8 SHEET NO. 1

REMARKS Hole lost water circulation around 448' depth.

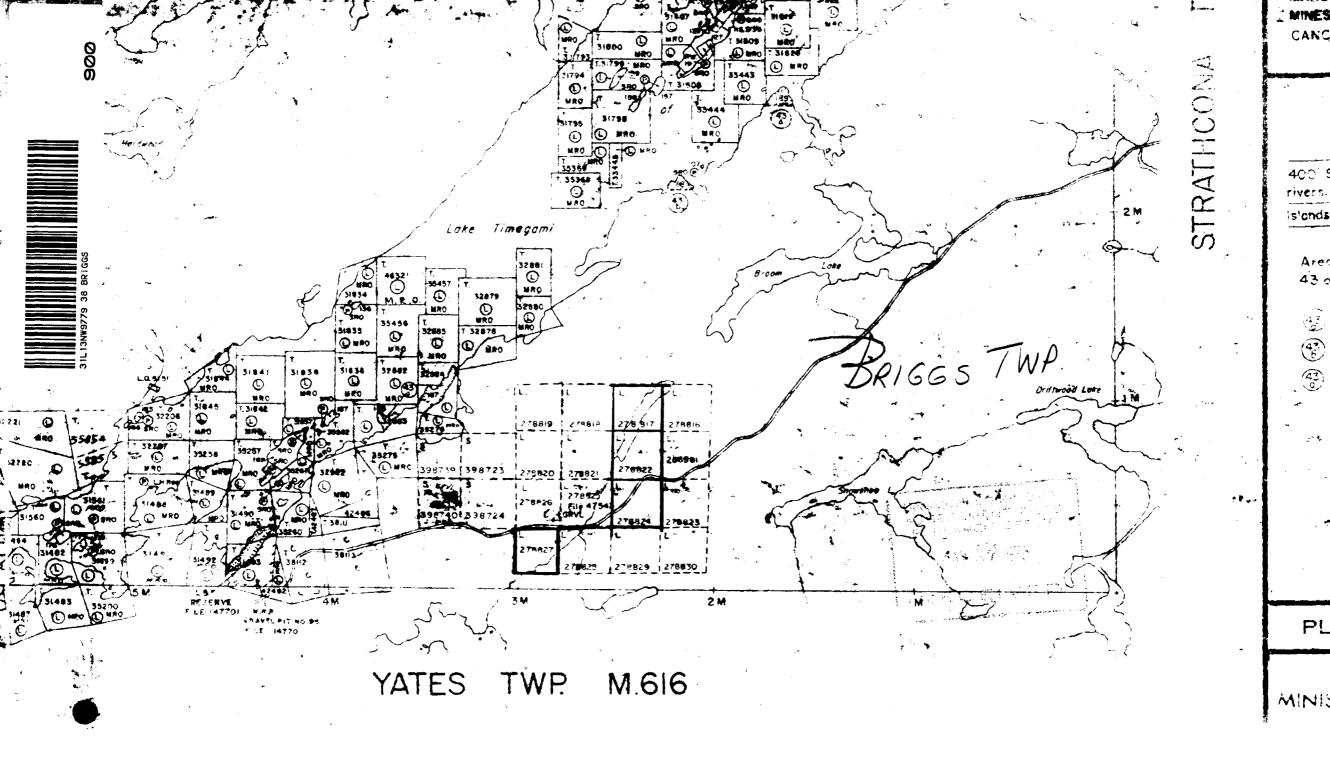
FOOTAGE ASSAYS SAMPLE DESCRIPTION FOOTAGE OZ/TON OZ/TON FROM ТО FROM TO TOTAL 0 10 OVERBURDEN (Casing recovered) 10 600 GRANODIORITE Medium grained, grey and greenish grey, epidotized and chloritized, also reddish hematized sections, porphyritic, fine grained chloritized narrow streaks, fault zones, minor scattered pyrite and chalcopyrite mineralization. 1 to 2 specks chalcopyrite mainly in the fractures, associated with epidote, at the following depths; 17.5' c/a 40°; 24.0'; 31.5'; 39.8'; 44.7'; 53.3'; 54.81; 56.01 c/a 200; 62.01; 78.31 c/a 350; 97.6-101.1' Fine grained chloritized streaks, patchy 439 1 97.6 101.1 3.5 0.17 TR fine chalcopyrite, top c/a 150; bottom c/a 40°. 105.6-106.3' Fine chalcopyrite and pyrite in fracture along with core. 107.0-107.21 Chloritized, disseminated fine chalcopyrite, c/a 40°. 117.4* Few specks pyrite and chalcopyrite in fracture, c/a 45°. 127.0-128.5' White quartz and chlorite, lean, irregular c/a. 156.4-195.0' 1 to 2 specks chalcopyrite at 1 to 5' spacing. 195.0-400.01 Few scattered specks of pyrite and chalcdpyrite. FAULT ZONES AT: 337.0-338.51; 357.5-358.51 c/a 20-35%; 371.5-372.5' c/a 15-20°; 376.5-379.01 c/a 40°.

NAME OF PROPERTY	STURDY MINES LIMITED	(CERRO OPTION)
HOLE NO.	LENGTH	
LOCATION		
LATITUDE	DEPARTURE	
ELEVATION	AZIMUTH	DIP
STARTED	FINISHED	

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 71-SB-8 SHEET NO. 2 REMARKS_____

LOGGED BY J. German FOOTAGE SAMPLE ASSAYS DESCRIPTION FOOTAGE NO. SULPH FROM то OZ/TON OZ/TON FROM TO TOTAL 600 10 GRANODIORITE (Cont.) 388.8-393.3' Porphyritic with quartz-feldspar phenocrysts in high chlorite fine grained matrix, 4 stringers rose calcite mixed with chlorite up to 3" wide, top c/a 750, bottom c/a 45°. FAULT ZONES AT: 403.5-407.0' c/a 35°; 411.0-414.4'; 442.2' slip plane very fine chalcopyrite, c/a 30°; 447.0-448.0° c/a 40°; 569.0-570.0°; 583.5-584.0'; 585.8' fine disseminated chalcopyrite in fractures, c/a 85°; 590.8' fine specks chalcopyrite in fracture, c/a 80°; 52/1.0-550.0' very fine scattered pyrite and few specks chalcopyrite; 570.0-585.0' very fine scattered pyrite and few specks chalcopyrite. 600 END OF HOLE

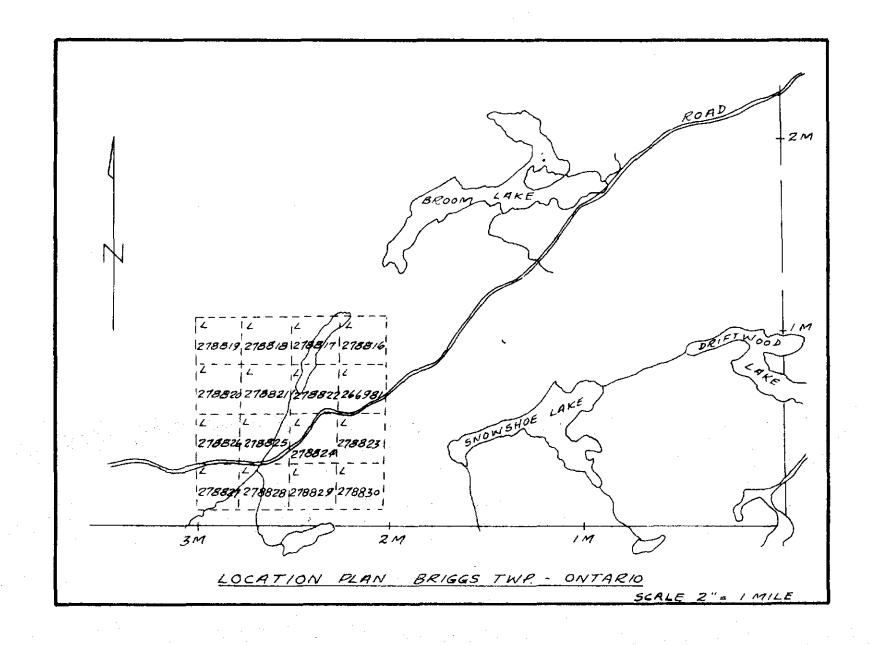


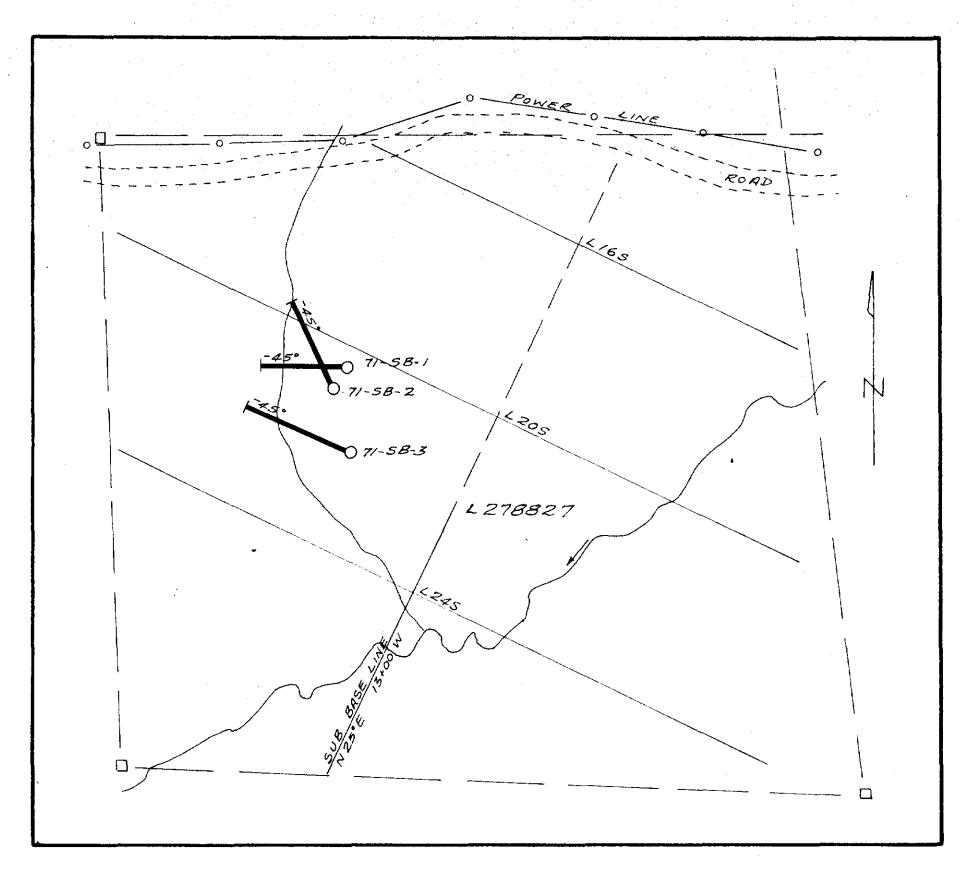
CANCELL

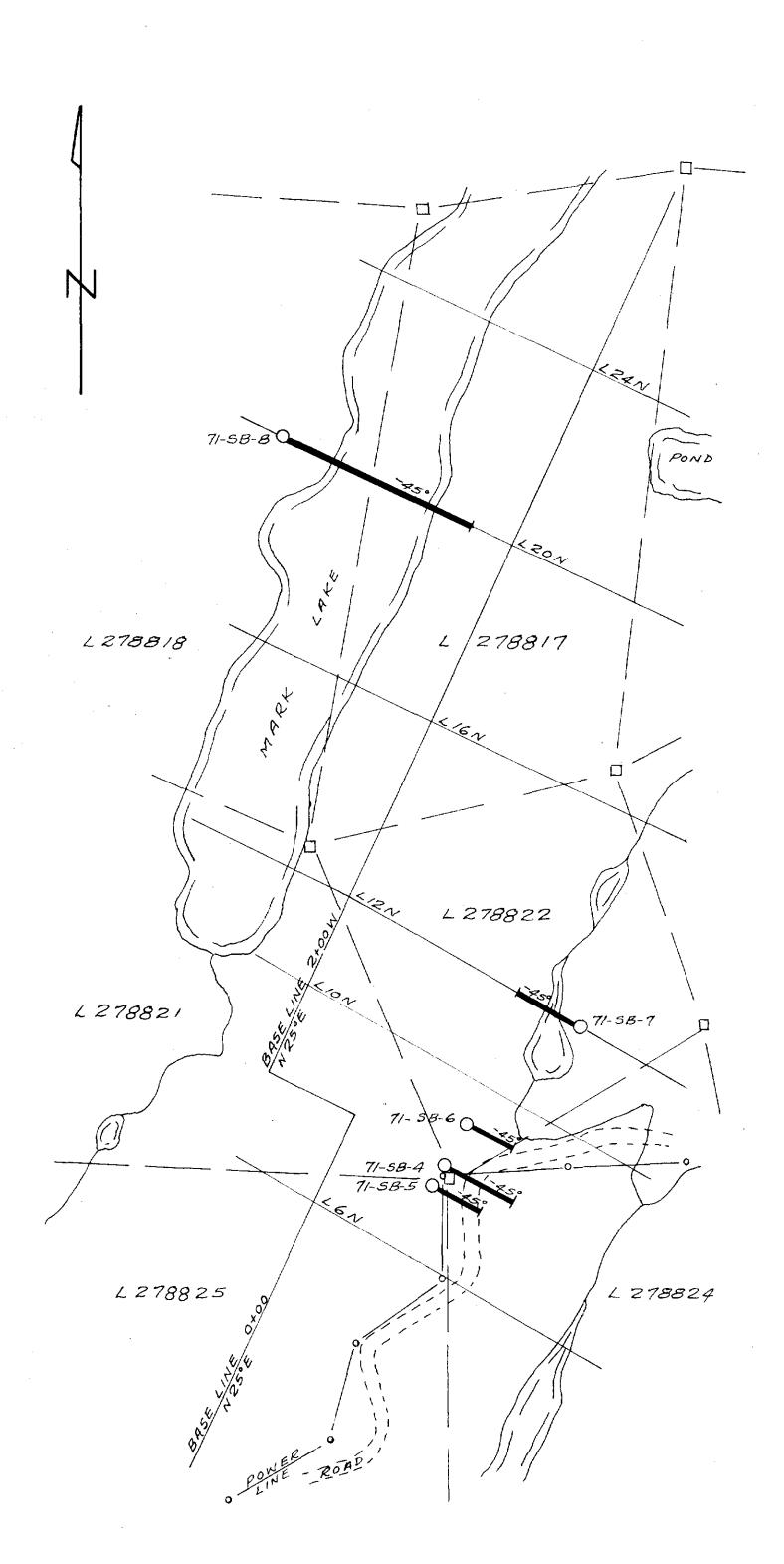
400 Surfa

islands in i

MINISTR







STURDY MINES LIMITED

16 CLAIM GROUP
BRIGGS TOWNSHIP ONTARIO
LARDER LAKE MINING DIVISION

DRILL HOLE PLAN

SCALE |" = 200'

JULY 1971 . Suimond.

St. 16 L. 378817