

31L13NW9730 34 BRIGGS

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Diamond Drilling

The state of the s

Township of BRIGGS

Report NO 34

Work performed by: Sturdy Mines

Claim Nº	Hole Nº	Footage	Date	Note
L 278827	71-S.B1	253.01	May/71	
	71-S.B2	272.0'	May/71	
	71-S.B3	309.01	June/71	
L 278821	71-S.B4	229.0'	June/71	
L 278825	71-S.B5	153.0'	June/71	
L 278822	71-S.B6	153.0'	June/71	
	71-S.B7	209.0'	June/71	
L 278818	71-S.B8	600.01	June/71	

72178

Notes:

NAME C)F	PROPERTY	STURD	Y MINES	LIMI:	TED (CERRO	OPTION')	
N E	ο.	71-S.B	1	LENGTH	25	531				
		Claim No.							Ontario	
- ATITUD	DE _	L.20 + 45	S	DEPART	URE _	16 +	26 W	(Grid)		_
ELEVAT	ION	l'above	swamp	AZIMUTH	2	70 °		DIP	-45°	
		May 26, 19								

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
2001	-44°				

HOLE NO. 71—SB-1 SHEET NO. 1

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

LOGGED BY S. GULMOND

				A June 2-46									
	FOOT	TAGE	DESCRIPTION			SAMP	LE		ASSAYS				
	FROM	то	o z o k i F i i o k	NO.	SUL PH-	FROM	FOOTAGE TO	TOTAL	• %	Cu	Au oz/Ton	OZ/TON	
	0	15	OVERBURDEN (Casing recovered)				İ						
16.0	15	97.7	ANDESITE Fine grained, greenish grey and dark grey, epidotized and chloritized, fine needle crystals in parts, small calcareous seams, scattered fine leucoxene, hematite on	416	0.25	21.8	24.8	31		0.11	0.02	TR	
AM, 6 • 116 a		•	the slips; mainly patchy pyrite, pyrrhotite and few specks of chalcopyrite. At 57.7' sub-massive chalcopyrite and bornite 1/4" to 1/2" wide in quartz-calcite stringer, c/a 40°. 63.9-64.9' Quartz feldspar porphyry dyke, medium grained greenish grey and pinkish hematized partz,	417	0.5	56.0	59.0	31		0.12	0.01	TR	
-			lean, c/o 40° 70.3-74.0' Patchy pyrite, pyrrhotite and chalcopyrite, est. 0.5% sulphides.	420	0.5	70.3	74.0	3.7					
			79.8-82.2 Quartz feldspar porphyry dyke, similar to above.	418 419	0.5 1.5- 2.0	80.0 85.0	85.0 89.5	51 4.5		0.06 0.05	TR 0.01	TR TR	
•	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°.								·		
ļ	1.78.5	203.3	FAULT BRECCIA Few small streaks of pyrite and pyrrhotite.										
'a: -:	203.3	233.0	ANDESITE Similar to above with quartz calcite stringers $1/8 - \frac{1}{2}$ ", c/a 30-60°.										
	33.0	253.0	GRANODIORITE Similar to above. 227.7-228.2' Fine grained, dark basic diabase dyke, lean.	-									
	253.0		END OF HOLE										

STURDY MINES LIMITED (CERRO OPTION) NAME OF PROPERTY NO. 71-S.B.-2 LENGTH 2721 LOCATION Claim No. 278827, Briggs Twp., Nipissing Dist., Ontario
LATITUDE L.20 + 95 S DEPARTURE 16 + 33 W (Grid) ELEVATION 1 above swamp AZIMUTH

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
271.	-1±0°				

HOLE NO. 71-SB-2 SHEET NO. 1 REMARKS Drill hole is located at 50° on Az. 155° from new showing.

LOGGED BY S. GUIMOND

S	TARTED	May	28, 1971 FINISHED_	May 31, 1971	L						LOGGE	D BY	1.	hein	week
ſ	FOOT	AGE						SAMP	LE			A	SSA	/ S	
İ	FROM	то		DESCRIPTION		NO.	SULPH-		FOOTAGE		1 33	7°	Au oz/ton	Ag oz/ton	
-	0	12.3	OVERBURDEN (Casing v	was reamed to 19' - recovered)			IDES	FROM	то	TOTAL	Čů				
	12.3	16.8	BASIC DYKE Fine grai	ined, dark grey, small calcareous se pyrrhotite and hematite in fractures	eams; fine										
LA GRIDGE LIMITED,		99.0	and chlorit calcareous mainly pato	ed, greenish grey and dark grey, epicized, fine needle crystals in parts seams in sections, scattered fine I shy pyrite, pyrrhotite and few specke, hematite on the slips. Calcareous seam 3" wide with pyrite pyrrhotite, c/o 50°. Disseminated pyrite, pyrrhotite and pyrite, 2" wide. Disseminated pyrite, pyrrhotite and pyrite, ½" wide. Disseminated pyrite, pyrrhotite and pyrite. Disseminated very fine chalcopyrite bornite and small patches. Granodiorite, medium grained, grey greenish grey, epidotized sections on slips, porphyritic with quartz phonocrysts, scattered fine leucox Patch of disseminated pyrite, pyrrhotic chalcopyrite, 1½" wide. Disseminated chalcopyrite & hematic Disseminated fine pyrite, pyrrhotic chalcopyrite, 2" wide. Diss. fine pyrite, pyrrhotite & chalcon, ½ Rose quartz stringers, widest 5", lean, c/a 40°.	eucoxene; s of e and d chalco- d chalco- d chalco- e and and , hematite and feldsparene. hotite and te, ½" wide. te and lco. 3" wide " wide lens.			48.8 78.2	52.0	3.2	0.05		TR	NIL	

NAME OF	PROPERTY _	STURDY	MINES	LIMITED	(CERRO	OPTIO	N)	
LOCATION								
LATITUDE			DEPART	URE				
ELEVATION			AZIMUT	1		DIP		
STARTED			FINISHE	n				

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
				_	

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

			AZIMUTHDIP		-					LOGGE	D BY	f L		
	FOOT						SAMP	L E			X	SSA	uw 15	out
	FROM	то	DESCRIPTION	-	NO.	SULPH-		FOOTAGE	T ======	26	-6	 	oz/ton	
1.VI. 0 - 1:00	99	243	GRANODIORITE Similar to above, scattered fine pyrite, pyrrhoticand few specks of chalcopyrite. 162.5-164.0' Basic dyke, fine grained, dark grey lean. 170.0-172.8' Basic dyke, fine grained, dark grey lean. 180.0-190.0' High mafix. At 204.0' Very fine disseminated pyrrhotite are few specks chalcopyrite. 231.1-240.3' Diabase dyke, fine grained, dark grey laths present but no ophitic texture scattered fine pyrrhotite.	te,		IDES	FROM	TO	TOTAL		·			
	243	246	DIABASE DYKE Similar to above, c/a 60°.											
	246	250	ANDESITE Similar to above, lean.											
	250	261	DIABASE DYKE Similar to above, top c/a 70°, bottom c/a 35-40°.						<u> </u>					
ACCIDED FINAL FIG.	261 272	272	GRANODIORITE Similar to above, lean. END OF HOLE		-									
Y I				The section of the se										

NAME OF	PROPERTY _	STURDY MIN	ES LIMITED	(CERRO OPTIC	ON)
		LENGT			
		278827, Brig			Onterio
LATITUDE	L 22 + 00) S DEPAR	TURE 15 +	47' W (Grid)
ELEVATIO	App. 7º low	ver than AZIMU	гн 292 ⁰	D:P	-450
CTABTER	noles lar	id 2	-n Jur	e / 1971	

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
3001	<u>-38</u> 0				
			<u></u>		<u> </u>
					l

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

REMARKS Hole was drilled along

Line 22 + 00 S, Azimuth 292°.

LOGGED BY S. CUINOND .

STAR	TED	June	1, 1971 FINISHED June 1, 1971						LOGGE	U D1	1.4	سير	rech
FO	ОТАБ	ε				SAMP	LE			A	SSA	/ S	
FRO	ом то		DESCRIPTION	NO.	SULPH-	FROM	FOOTAGE	TOTAL	Ců	Ní	AU OZ/TON	Ag oz/Ton	
0	14	OV	/ERBURDEN (Casing recovered)		1					·			
14	158	GR	few specks of chalcopyrite.	424 425 426	0.25 1.0 0.7 1.0	144.5 100 110 120 130	50.0 105 115 125 135	5.5 5 5 5	O.O3 TR TR TR		TR TR TR TR	NIL NIL NIL NIL	
158	185	СН	HILIED 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°.		1.0	140 153	145 158	5 5	TR TR		0.01 TR	TR NIL	
185	231	.5 ME	TAGABBRO Medium grained, greenish grey, chloritized and epidotized parts granitized, highly calcareous. 185-195' Est. 1.5 to 2% pyrite, pyrrhotite and chalco 195-231.5' Est. 1% pyrite, pyrrhotite and chalcopyrite.	430	to 2.0	•	190	5	0.06	TR	0.01	TR :	
231.	5 264.	.7 AN	DESITE Fine grained, greenish grey, chloritized, highly calcareous c/a 40°. Est. 1% pyrite and pyrrhotite disseminated and few 1/8" to 4" streaks.	434 435 436	1 1 1	226 231.5 245	231.5 238.5 252	5•5 7 7	0.01 0.02 0.03		TR TR TR		

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

HOLE NO. 7	_SP_3_ SHEET	NO.	
REMARKS			

AZIMUTH

			AZIMUTH DIP							LOGGE	D BY	16			<i>1</i>
Ī		TAGE					SAMP	L E			A	SSA'	Y 5	ui.	
İ	FROM	то	DESCRIPTION		NO.	SULPH- IDES	FROM	FOOTAGE TO	TOTAL	26	ν _ο	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												
EM. 6-1160			Hole had to be cemented twice at 100' - 162.5'.						,						
ļ			-												
	;												·		
		·	-												
									·					·	
TED,															
CE LIMI															
LANGRIDGE LIMITED					-										
-4		·		Andrew Co. Andrews											

MAME OF	PROPERTY	STURDY	MINES 1	LIMITED	(CERRO	OPTION)		
E NO.	71-S.B4		LENGTH	229	•			
LOCATION	Claim No.	278821,	Briggs	Twp., N	ipissin	g Dist.,	Ontario	
	1.47 + 981	M	DEPART	2.	00 E	(Grid)		
ELEVATION	App. 25' at creek swamp	ove	AZIMUTE	715	0	OIP	- 45°	
STABLED	June 7, 19	771	~		ne 8. 1			

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	-1;2°				

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

REMARKS Hole was drilled 50' back of old showing.

	LEVATIO TARTED	June	7, 1971 FINISHED June 8, 1971						LOGGE	D BY	S. GUI	MOND	ni.	<u>- </u>
	F 0 0 1	AGE				SAMP	LE		ASSAYS					
Ī	FROM	то	DESCRIPTION	NO.	SUL PH IDES	FROM	FOOTAGE	TOTAL	Ču	ાં	OZ/TON	oz/ton		
	Ö	5	OVERBURDEN (Casing recovered)											
EM, 6-1168	5	229	GRANODIORITE Medium grained, greenish grey and sections pinkish grey hematized, partly epidotized and some calcareous 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	1	61.0 126.5 131.5	2•7 5 5	0.12 TR 0.04		O.Ol TR TR			
	22 9		END OF HOLE											
								•						
LANGRIDGE LIMITED,				-										

DIAMOND CRILL REGORD

NAME OF	PROPERTY _	STURDY	MINES L	IMITED	(CERPO	OPTION)	
E NO.	~ ~ ~ ~ ~		LENGTH _	153			
LOCATION	Claim No.	278825	, Briggs	Twp., N	ipissin	g Dist.,	Ontario_
LATITUDE	L.7 + 48'	N	DEPARTUR	, E 2	+ 00 E		
	Same as hol			1150			-45°
	June 10. 1			June	10. 19		

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.

SAMPLE DESCRIPTION FOOTAGE FROM OZ/TON OZ/TON FROM TO TOTAL 0 17 OVERBURDEN (Casing recovered) 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'. $c/a 70-80^{\circ}$ 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

NAME	OF	PROPERTY	STURD	Y MINES	TIMLI	ED (C	ERRO	OPTION)	
LE	NO.	71-S.B6		LENGTH	1	531				
		Claim No.								
LATIT	UDE	L.8 + 981	N	DEPART	URE	2	+ 001	E		
		Same as ho							-450	
		T 10								_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	-430				

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

REMARKS Hole is 100' North (Grid)

of Hole 71-SB-4

			as hole 4 AZIMUTH 1150 DIP -450 E 12, 1971 June 14, 1971								LOGGE	D BY	S. GUI	MOND	<u> </u>
Í	F 0 0 1				T			SAMF			11		SSA	<u>Ven</u>	medic
	FROM	то	DESCRIPTION		-	<u> </u>	1/6	SAMI	FOOTAG	E		Γ		oz/ton	
			OMEDDUDDIA (G. 1			10.	SUL PH-	FROM	ТО	TOTAL	Cu_	₹6	OZ/TON	OZ/TON	
	0	5	OVERBURDEN (Casing recovered)								Í				
EM. 6-1168	5	153	GRANODIORITE Medium grained, grey and greenish grey chlori and epidotized, short sections reddish hematized sections mottled of above colours. Porphyritic quartz-feldspar phenocrysts, has narrow calcareous seams and fine grained streaks of high mafix, che epidotised and parts porphyritic. 5 - 9 Small epidotized seam 1/16" wide all the core with pyrrhotite and chalco and some disseminated. The eye-bod drill anchor hole at 1' to the west lean.	d, other with us aloritations opposite the contractions of the con	er ized 4	37	0.8	5	9	41	0.12		0.05		
•			Couple specks of chalcopyrite, the the hole is more lean, having only scattered specks of pyrrhotite and 28.1-28.5 White quartz-calcite and chlorite. 38.4-38.6 White quartz and chlorite, c/a 60°.	a few chalce	o.			·							
JANGRIDGE LIMITED,	-		Fine Grained Streaks at: 26.8 - 27.0; 6 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 142.3 - 143.2; c/a 70-80° At 82' fault fractures with quartz-calcite breco	:/a 70	_80°		•								
ā	153		END OF HOLE												

NAME	OF	PROPERTY	STURD	Y MINES	LIMI TED	(CERRO	OPTION)
LE	NO.	71-S.B7		LENGTH	209	†		
LOCAT	TION	Claim No.	278822,	Briggs	Twp., Ni	pissing	Dist.,	Ontario
LATIT	UDE	L 12 + 00	<u>N</u>	DEPARTU	JRE3	+ 501 E		
ELEVA	тіон	L 12 + 00' Approx. 7' holes 4, 5	above	AZIMUTH	2950		DIP _	-45°
START	ED_	June 16,	1971	FINISHE	JJ	une 17,	1971	

GE DIP AZIMUTH

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

FOOTAGE SAMPLE DESCRIPTION AU OZ/TON OZ/TON FOOTAGE NO. SULPH TO FROM FROM TO TOTAL 0 6 OVERBURDEN (Casing recovered) 6 23.2 HIGH MAFICS, CHLORITIZED & EPIDOTIZED, grey and greenish grey, fine grained, fine scattered pyrite and few specks of chalcopyrite; contact c/a 450 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. $c/a 40-45^{\circ}$. Scattered fine pyrite and chalcopyrite, Scattered fine pyrite and chalcopyrite, - 125' Scattered fine pyrite and chalcopyrite, 112 136.5 - 139' Fine grained, chloritized section containing fault breccia with fine pyrite at 137.5-138'. 146 SHEAR ZONE 153 Top schistosity c/a 35°; bottom schistosity c/a 45-50°. 440 0.5 146 151 TR146 - 151' Scattered fine pyrite. 153 GRANODIORITE Similar to above, lean. 188 - 199' Few scattered specks of pyrite and chalcopyrite. 209 END OF HOLE

NAME OF	PROPERTY	STURDY	MINES I	LIMI TED	(CERRO	OPTION)	
LE NO.	71-S.B8		LENGTH	60	01		
LOCATION	Claim No.	278818.	Briggs	Twp. N	ipissin	Z Dist.,	Ontario
	L.20 + 00						
	Approx. 15						
STARTED	June 22, 19	71	FINISHE	D Jun	e 28. 1	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.

E S	LEVATIO TARTED	Appr June	22, 1971 FINISHED June 28, 1971						LOGGE	D 8Y	S. G	IMOND	·
F	FOOT	AGE		T		SAMP	LE			Α	S S A	Y S	
ŀ	FROM	то	DESCRIPTION	NO.	SUL PH	FROM	FOOTAGE	TOTAL	- z _i	Ču	OZ/TON	oz/ton	
ĺ	0	10	OVERBURDEN (Casing recovered)								.,		
LANGRIDGE LIMITED,	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°; 21.0'; 31.5'; 39.8'; 14.7'; 53.3' 54.8'; 56.0' c/a 20°; 62.0'; 78.3' c/a 35°; 97.6-101.1' Fine grained chloritized streaks, patch; fine chalcopyrite, top c/a 15°; bottom c/a 40°. 105.6-106.3' Fine chalcopyrite and pyrite in fracture along with core. 107.0-107.2' 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' specing. 195.0-400.0' Few scattered specks of pyrite and chalcopyrite. FAULT ZONES AT: 337.0-338.5'; 357.5-358.5' c/a 20-35 371.5-372.5' c/a 15-20°; 376.5-379.0' c/a 40°.	439	<u></u>	97.6	101.1	3.5		0.17	TR		

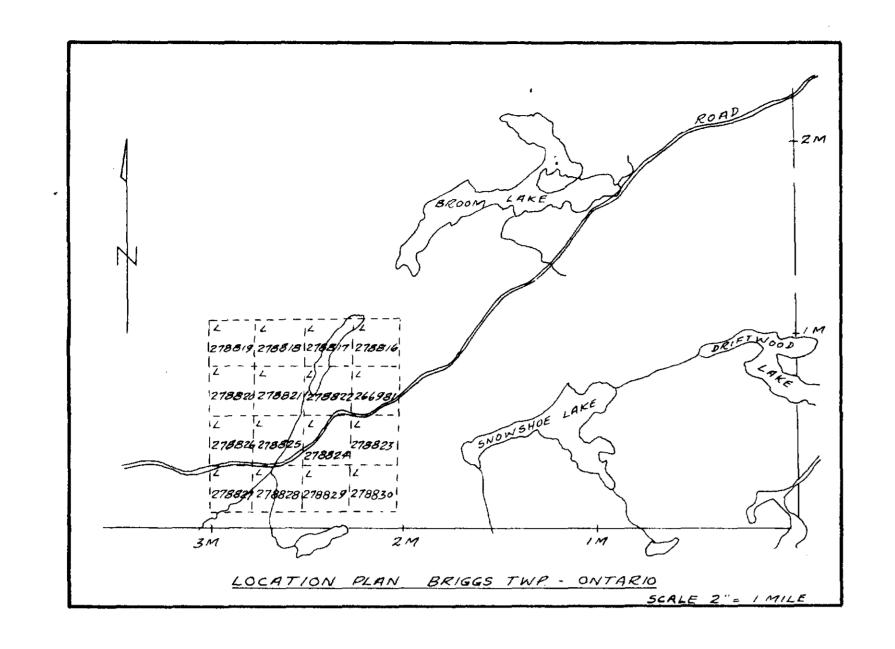
NAME OF PROPERTY	STURDY MINES LIMITED	(CERRO OPTION)
E NO	LENGTH	
LOCATION		
LATITUDE	DEPARTURE	
ELEVATION	AZIMUTH	DIP
STARTED	FINISHED	

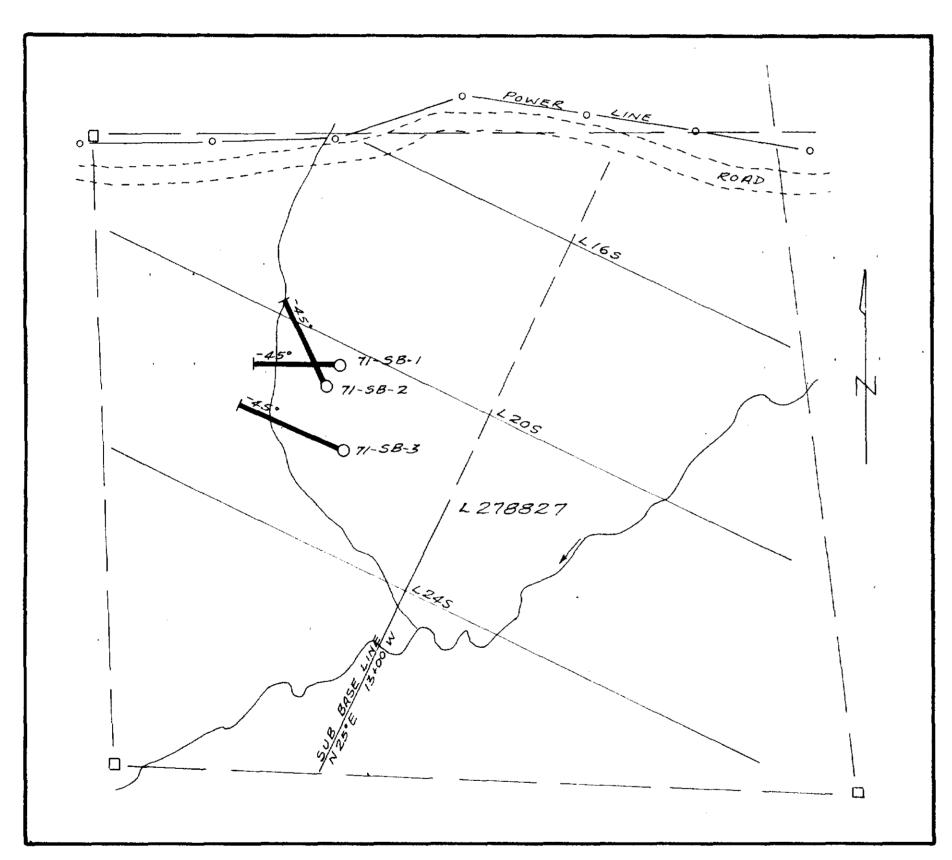
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

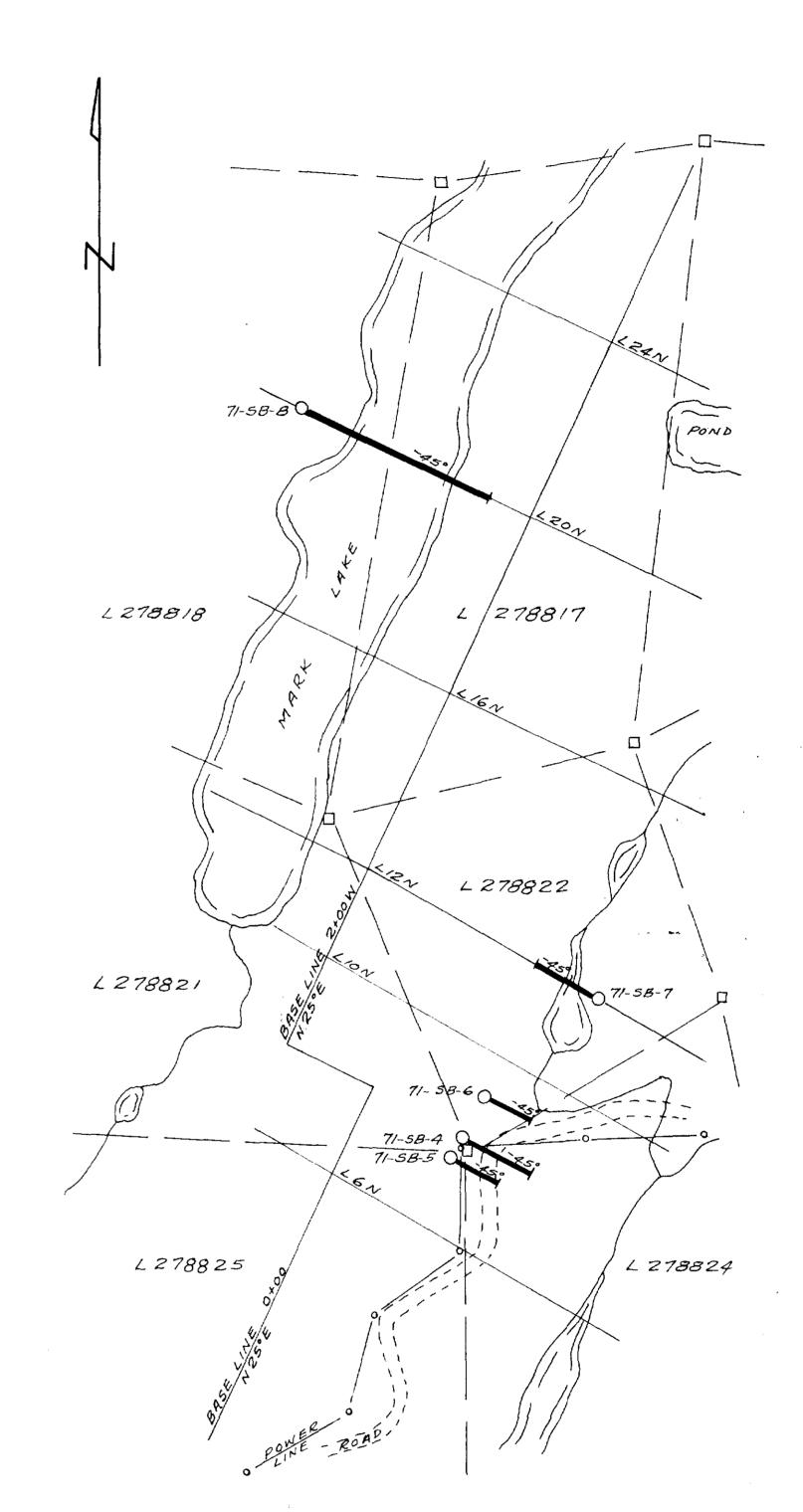
HOLE NO. 71-SB-8 SHEET NO. 2

LOGGED BY Security.

STARTED		FINISHED						LOGGE		V . V .		~
FOOTA	GE	DESCRIPTION			SAMP				A	SSA	Y S	
FROM T	то	DESCRIPTION .		SUL PH-	FROM	FOOTAGE TO	TOTAL	યું	i e	OZ/TON	oz/ton	
10 6	600	GRANODIORITE (Cont.)										
		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 75° 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 disseminate chalcopyrite in fractures, c/a 85°; 590.8 fine specks chalcopyrite in fracture, c/a 80°; 524.0-550.0 very fine scattered pyritand few specks chalcopyrite; 570.0-585.0 very fine scattered pyritand few specks chalcopyrite.	0									
600		END OF HOLE									-	







STURDY MINES LIMITED

16 CLAIM GROUP
BRIGGS TOWNSHIP ONTARIO
LARDER LAKE MINING DIVISION

DRILL HOLE PLAN

SCALE I" = 200' (1) JULY 1971

JULY 1971

