010

Diamond Drilling

Township of Foster

Report Nº: 12

Work performed by: Texas Gulf Sulpher Co./ St. Joseph Explorations Ltd./ Vangulf Exploration Co.

Claim Nº	Hole Nº	Footage	Date	Note
S 135295	F 33-1	351'	Oct/66	
	F 33-2	459'	Oct/66	
S 137696	F 33-3	373'	Oct/66	
	F 33-4	372'	Oct/66	
	F 33-7	931'	Dec/71	(1) (2)
S 135294	F 33-5	368'	Nov/66	
	F 33-13	686'	Sept/72	(4)
S 138190	F 33-5	600'	Aug/67	
S 135293	F 33-6	918'	Aug/67	
S 138194	F 33-9	1179'	Aug/72	(3)
S 138191	F 33-11	557'	Sept/72	(3) (4)
	11 DH	6794		

Notes:
(1) 154/71
(2) 76/72
(3) 111/72
(4) 16/73

D. D. HOLE No. F-33-1

Loc. FOSTER TOWNSHIP Dip collar : -40° Bearing collar : Grid South Length: 351'

41+00E : : Collar el. :

0+90S : : Bottom el. :

Drilled by: LONGYEAR Core size: AX Begun: Oct.5/66 Ended: Oct.9/66 Logged by: R.M. Ginn

Samples	Footage drilled From	To	Len.	Rec. %	Geology
	0	7	7	0	CASING.
	7	70	67	100	QUARTZITE, silicified, minor pyrrhotite throughout to a maximum of 5%. Scheelite is restricted to the light grey sections of quartzite, somewhat coarser than the fine-grained dark grey sections. Scheelite occurs as blebs, commonly prismatic, in fractures with associated pyrite and/or pyrrhotite. Scheelite also occurs as fine specks distributed throughout coarser-grained light coloured quartzite as far as from two feet from fractures. Fractures do not appear to follow any geometric pattern. Bedding 65° to core axis.
928	7	11	4	100	- Moderate fluorescence dissem. on fractures
929	14	19	5	100	- Weak fluorescence dissem.
930	20	26	6	100	- Moderate-weak fluorescence dissem.
931	51	58	7	100	- Moderate fluorescence dissem.
932	65	70	5	100	- Moderate-weak fluorescence finely dissem.
	70	77	7	100	QUARTZITE, pale grey, about 8% pyrrhotite as stringers enclosing locally brecciated sediment. Little fluorescence.
	77	79½	2½	100	ARGILLITE, little fluorescence.
933	79½	88	8½	100	QUARTZITE, medium-grained, medium grey Moderate-weak fluorescence along well healed silicified fractures, insignificant sulphide specks.
	88	88½	½	100	DIABASE.

D. D. HOLE No. F-33-1

Loc. FOSTER TOWNSHIP Dip collar : Bearing collar : Length:

Collar el. :

Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Lon.	Rec. %	Geology
	88½	134	45½	100	QUARTZITE, as above - varying colour from medium grey to pale grey. Bedding at 65° to core axis. Less sulphide mineralization and fluorescence than earlier in hole.
934	88½	94	5½	100	- Fluorescence averages weak, most being from 89½ to 90½ as densely disseminated mineralization. No apparent change in rock.
					- Cubic pyrite first occurs following 93'.
935	130	134	4	100	- Strong-moderate fluorescence. Silicified, 8% pyrite, 2% chalcopyrite finely disseminated through quartzite. Fluorescence is very weak flanking this zone - not sampled.
	134	138	4	100	ARENACEOUS GREYWACKE, poorly bedded, grey-green in colour.
	138	147½	9½	100	DIORITE.
	147½	160½	13	100	QUARTZITE.
936	154	160½	6½	100	- Silicified, 8% pyrite and pyrrhotite, minor chalcopyrite. Moderate fluorescence
	160½	250	89½	100	GREYWACKE and fine-grained quartzite. Bedded at 70° to core axis. Sparse fractures with coarse scheelite, not worthy of sampling.
	250	269	19	100	DIORITE, angular porcelaneous feldspar shards.
	269	351	82	100	QUARTZITE, mostly dark grey in colour, local blotchy feldspathization and rare 1/8" quartz stringers. Short sections of 6" to 14" contain moderate amount of scheelit

D. D. HOLE No. F-33-1

Loc. FOSTER TOWNSHIP Dip collar : Bearing collar : Length:

Collar el. :

Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Lon.	Rec. %	Geology
continued	- 269	351	82	100	but are too narrow or widely separated to warrant sampling. The scheelite occurs between 282' and 298'. One section from 342 to 344 is moderately strong in pyrrhotitic and pyritic medium grey fine-grained quartzite. Sulphides make up 10% of the rock.
		351			END OF HOLE

D. D. HOLE No. F-33-2

FILE COPY

Loc. FOSTER TOWNSHIP Dip collar : -40° Bearing collar : Grid South Length: 459 ft.

38+00E : Collar el. :

2+00N : Bottom el. :

Drilled by: LONGYEAR Core size: AX Begun: Oct.11/66 Ended: Oct.17/66 Logged by: R.M. Ginn

Samples	Footage drilled From	To	Len.	Rec. %	Geology
	0	124	124	100	BANDED SILTSTONE, alternate bands varying in width from ¼" to 14" of light grey and dark grey. Fine-grained pink feldspathization locally well-developed, and in such sections the fluorescent mineralization is more abundant. Bedding at 85° to core angle.
					Feldspathization = 15% from 16' - 17'
					10% " 21' - 26'
					15% " 28' - 29'
					20% " 30' - 33'
					20% " 37' - 43'
					20% " 46' - 48'
					15% " 69' - 70'
					10% " 73' - 82'
					30% " 109' - 118'
					Fluorescence — Description
937	10	17½	7½		Moderate - weak — 1/3 POWELLITE, 2/3 SCHEELITE, medium-graine disseminated.
938	30	38	8		Moderate - weak — Patches of feldspathization 1/3 POWELLITE, 2/3 SCHEELITE
939	41	47	6		Weak — fine disseminations, mostly SCHEELITE
940	73	76½	3½		Very weak — SCHEELITE limited to feldspathized section from 73' - 74'.

D. D. HOLE No. F-33-2

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology	
	From	To	Lon.	Rec. %		
					Fluorescence	Description
941	76½	82	5½		Moderate.	Mineralization largely restricted to section from 76½ - 77½ (50% POWELLITE) and 81 - 82 (with 10% PYRRHOTITE, only SCHEELITE).
942	82	85	3		Weak.	Very fine-grained fluorescent mineralizati 1/3 POWELLITE 2/3 SCHEELITE.
943	85	92	7		Weak.	Very fine-grained fluorescent mineralization as above, coarser-grained moderate grade section in feldspathized rock from 91 - 91½.
944	110½	118	7½		Moderate.	Blotchy POWELLITE (50%) and SCHEELITE in relatively heavily pink feldspathized siltstone.
	124	173	49	100	SILTY GREYWACKE, dark grey, minor narrow medium grey bands at 80° to core axis. No feldspathization sulphides or fluorescent mineralization.	
	173	198	25	60	SILTSTONE, pink-grey patches, very minor finely disseminated fluorescent mineralization. Lost core 173½-174; 175-176; 179-180 183-184; 187-188. Blocky core has abundant chloritic slips.	

D. D. HOLE No. F-33-2

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
	198	202	4	100	TRAP - dense, black aphanitic rock.
	202	206	4	0	LOST CORE.
	206	228	22	50	SILTSTONE, silicified, dark grey, chloritic slips, blocky, poor recovery.
	228	234	6	100	DIORITE - fine-grained, green-grey. Fracture at 230½, pyritic across ½", heavy SHEELITE but restricted to this width.
	234	250	16	100	SILTY GREYWACKE, unbedded, hard, grey.
	250	256	6	100	ARGILLACEOUS GREYWACKE, bedded at 55° to core axis, crenulated, hairline quartz-carbonate stringers. Heavy SCHEELITE flecking across 1" at 257'.
	256	309½	53½	100	QUARTZITE, variagated grey, fine-grained, silicified, brittle. No mineralization.
	309½	322	12½	100	GREYWACKE, siliceous bedded at 75° to core axis, scapolite metacrysts developed in definite horizons from 313' - 316½'.
	322	329	7	100	DIORITE, characterized by feldspar shards to 1" across.
	329	342	13	100	QUARTZITE, fractured, healed by quartz veins, sparse flecks of SCHEELITE.
	342	344	2	0	LOST CORE.
	344	353	9	100	QUARTZITE, unfractured, sparse flecks of SCHEELITE.
	353	356	3	0	LOST CORE.
	356	459	103	100	QUARTZITE, variagated grey, bedded at 75° to core axis. Moderate fluorescence in sections 369½ - 370; 371 - 371½; 389½ (2"); 407 - 408; 415 - 416; 424 (2" - feldspathized, chalcopyrite)

D. D. HOLE No. F-33-2

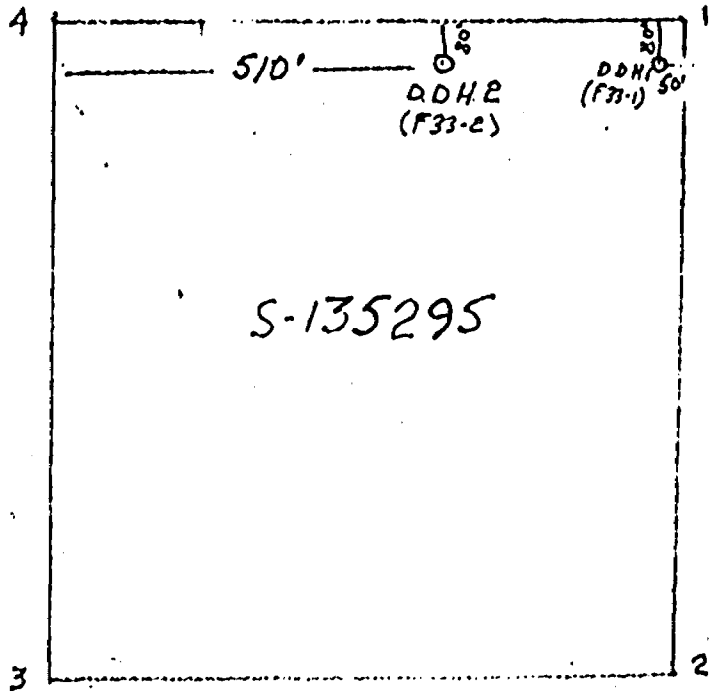
Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
					424½ - 425. Fluorescent sections contain dusty PYRITE disseminated in coarser-grained QUARTZITE.
		459			END OF HOLE.



TEXAS GULF SULPHUR COMPANY

CLAIM SKETCH
D.D.H.1 and D.D.H.2

FOSTER TOWNSHIP
SUDBURY MINING DIVISION

Scale 1" = 400'

D. D. HOLE No. F-33-3

Loc. FOSTER TOWNSHIP Dip collar : -40° Bearing collar : 153° Length: 373 ft.

26+00E Collar el. :

6+60N Bottom el. :

Drilled by: CANDN. LONGYEAR Core size: AXT Begun: Oct. 20/66 Ended: Oct. 27/66 Logged by: V.N. Kelly

Samples	Footage drilled From	To	Len.	Rec. %	Geology
	0	5	5	0	CASING.
	5	10	5	100	GREYWACKE. Fine-grain. Dark grey colour.
	10	20	10		QUARTZITE. Light grey colour. Moderate feldspathization 10'-12'; 14'-16'; trace CPY, SPHALERITE at 16'. Weak fluorescence. 14'-15'.
	20	28	8		GREYWACKE, occasional fine QUARTZITE sections.
	28	53	25		GREYWACKE. Moderately feldspathized zones at 28' - 28.5; 29.5' - 30'; 47.5' - 49'. Weak fluorescences at 28' - 28.5; 47' - 48'. Moderate fluorescence at 48' - 49'.
	53	73	20		GREYWACKE AND ARGILLITE. 50% moderately to well-feldspathized. 25% of feldspathized rock shows weak SCHEELITE fluorescence.
1005	73	77	4		FELDSPATHIZED ARGILLITE. 73 - 74.3 ARGILLITE, no fluorescence. 74.3 - 75 Well-feldspathized, weak SCHEELITE and POWELLITE fluorescence. 75 - 76 Moderate to strong POWELLITE and SCHEELITE fluorescence in strongly feldspathized rock with estimated 2% CPY. 4% PO.
	77	103	30		GREYWACKE AND ARGILLITE. Weak bedding at 70° to core axis. Occasional weak feldspathization. Occasional very weak fluorescence.
1006	103	107	4	100	GREYWACKE AND BLACK ARGILLITE. Core axis = 60°. 103 - 104 Weakly feldspathized GREYWACKE

D. D. HOLE No. F-33-3

Lee. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... : ..... Collar el. : .....

..... : ..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					weak POWELLITE and SCHEELITE fluorescence.
					104 - 104.3 QUARTZ vein at 30° to core axis, no fluorescence.
					104.3 - 105 GREYWACKE weak to moderate fluorescence.
					105 - 106 BLACK ARGILLITE. Slaty cleavage at 15° to core axis. Includes 2" granitoid section. All well-mineralized with fine POWELLITE with subsidiary SCHEELITE.
					106 - 106.5 Feldspathized GREYWACKE. Moderate POWELLITE and SCHEELITE fluorescence.
					106.5 - 107 ARGILLITE. No fluorescence.
	107	113	6		ARGILLITE.
1007 16W01	113	119	6		Moderately feldspathized fine QUARTZITE 5% disseminated PO. Weak to moderate POWELLITE and SCHEELITE fluorescence.
	119	121	2		ARGILLITE AND GREYWACKE.
	121	123.2	2.2		GREYWACKE. Moderate feldspathization. Weak fluorescence.
	123.2	208	74.8		QUARTZITE, impure, light green to buff colour. Faint bedding at 65° to core axis. Weak scattered fluorescence.
	208	373	165	100	ARENACEOUS GREYWACKE. Very minor fluorescence Bedding = 65°. Lost core 208.3 - 209.7; 224 - 225. 1" DIABASE bands at 369.5 and 370.1
					D. D. Hole No. F-33-3
	373				END OF HOLE

D. D. HOLE No. F-33-4

Loc. FOSTER TOWNSHIP Dip collar : -40° Bearing collar : Grid South Length: 372 ft.

27+00E " " " Collar el. : "

3+25N " " " Bottom el. : "

Drilled by: LONGYEAR Core size: AX Begun: Oct. 30/66 Ended: Nov 3/66 Logged by: R. M. Ginn

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	0	10	10	0	CASING.
	10	130	120	100	SILTSTONE, banded light grey and dark grey, hard, brittle. Bedded at 80° to core axis at 18', 70'. Local narrow garnet development, pink, blotchy, at 28'-30', 31'-31½', 37'-38', 52', 87'-90', 111'-116', 118'-121', 124'-126', 128-
					PYRRHOTITE, 10%, disseminated blebs from 18'-19'
					FLUORESCENCE
					13½'-14' - weak
					18' -19' - moderately strong
					19½' - moderate across 1"
					24½ - moderate across 1"
					28½'-30' - weak
					31' -31½' - moderate
					37' -37½' - strong
					38' -39' - weak
					40½'-41½' - moderate
					71' -71½' - weak
					72' -72½' - weak
					81' -82' - weak
					83' -84' - weak
					87' -90' - moderate
					112'-113' - moderate
					114'-114½'- weak
					117½' - ½" wide quartz-scheelite vein.
					118'-119' - weak

D. D. HOLE No. F-33-4

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
					120'-120½'- weak
					123' - weak
					124'-125½'- moderate
	130	260	130	100	SILTSTONE, as above, banded at 70° to core axis.
					Conspicuous GARNET development, 138', 139½-140', 147'-150', 154'-155', 156½'-157', 161'-166', 176'-177', 179½-180½', 204½'-205½', 218½', 220'-222', 227'-229', 251'-252', 254'-256'
					FLUORESCENCE
					131½'- ½" quartz-scheelite vein
					137' -137½'- moderate
					147' -150' - weak
					161½'-163½'- weak
					164' -165' - weak-moderate
					167½' - moderate
					174' - moderate
					177' - moderate
					178½' - moderate
					193' - weak
					194' -195' - moderate
					195½' - weak
					197' -198' - weak
					204½'-205' - weak
					212½'-213' - weak
					220½'-223' - weak
					227½'-229' - weak
					230' -231' - moderate

D. D. HOLE No. F-33-4

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
					242' -243' - moderate
					251' -252' - weak
					254' -255' - weak
					258' -258½' -weak
	260	320	60	100	SILTSTONE, as above, banded dark grey and light grey very fine-grained hard brittle sedimentary rock, bands from ½" to 10" thick, at 70° to core axis. GARNET development, pink, blotchy, commonly concordant, minor discordancy, 260'-264', 282'-283', 291½'-293', 296½'-300', 308'-310'
					FLUORESCENCE
					260' -260½' - moderate
					261' -262' - moderate
					262' -264' - faint
					282' -284' - faint
					290' -290½' - moderate-faint
					291½' - faint (2")
					297' - faint (2")
					298' -298½' - faint
					308' - strong (2")
					308½'-309½' - moderate
					311' - faint (2")
	320	350½	30	100	SILTSTONE, as above, banded at 55° to core axis at 330', 35° at 340'. GARNET development from 320'-321', 322'-323', elsewhere minor.
					FLUORESCENCE 320½'-321' - moderate
					323' - faint (3")

D. D. HOLE No. F-33-4

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

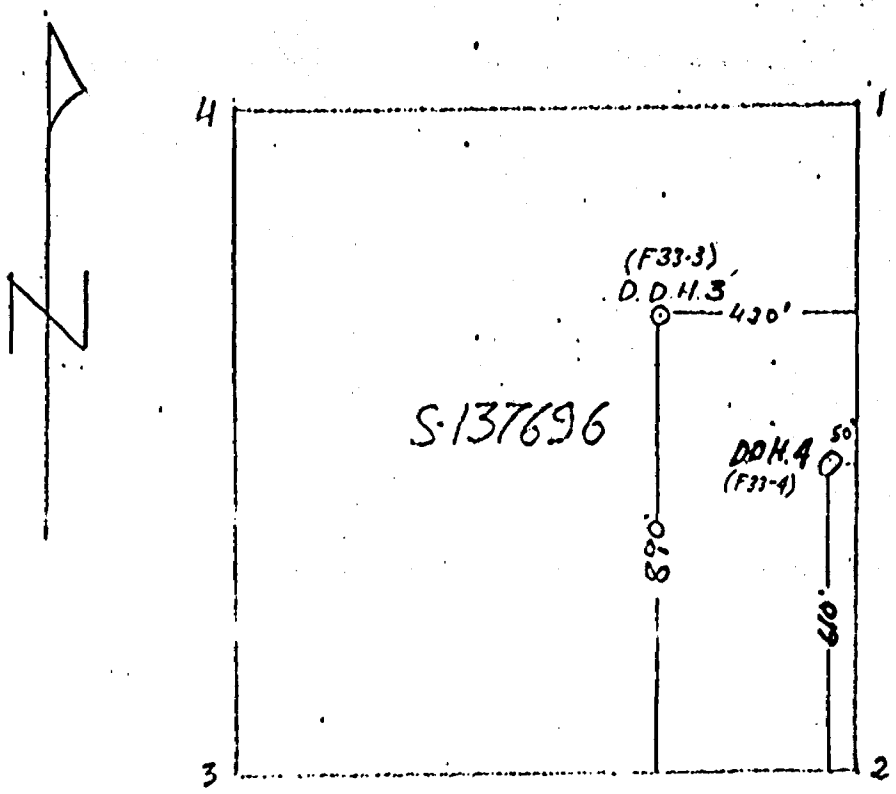
Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	350½	366	15½	100	GARNETIFEROUS HORNFELS (SKARN)
					Garnets particularly conspicuous as 1/8" grains from 359'-361'.
					FLUORESCENCE
					351' -353' - moderate
					353½'- - moderate (2")
					358½'-361' - moderate-strong
					364' -366' - weak
	366	372	6	100	SILTSTONE, banded at 20° to core axis, pink garnetiferous laminae parallel to bedding.
		372			END OF HOLE

TEXAS GULF SULPHUR COMPANY

CLAIM SKETCH
D.D.H.3 and D.D.H.4

FOSTER TOWNSHIP
SUDBURY MINING DIVISION

Scale 1" = 400'



D. D. HOLE No. F-33-5

Loc. FOSTER TOWNSHIP Dip collar : -43° Bearing collar : Grid South Length: 368 ft.

51+00E : : Collar el. :

4+50N : : Bottom el. :

Drilled by: LONGYEAR Core size: AX Begun: Nov. 6/66 Ended: Nov. 9/66 Logged by: R.M. Ginn

Samples	Footage drilled From	To	Len.	Rec. %	Geology
	0	10	10	0	CASING
	10	23	13	100	SILTSTONE, dark grey and light grey hard fine-grained, shardy bedding at approx. 90° to core axis. Minor local quartz veins and associated feldspathization. Only rare specks of scheelite.
951	23	25	2	100	GRANITE dyke, medium-grained, chilled boundary with siltstone. Moderate scheelite and powellite throughout, 5% pyrrhotite.
	25	110	85	100	SILTSTONE as above, increasing amounts of feldspathization and garnet with depth. Scheelite occurs as sparse blebs or discrete grains, commonly ¼" X 1/8" in feldspathized sections. Hairline fractures filled by pyrrhotite at 66'-70'. Pale grey-white feldspar crystals measure 1/16"-1/8" long in section from 72'-76', isolated scheelite grains of similar size. The pyrrhotite content increases to 10% toward the end of this section, as isolated grains and small stringers. Fluorescence increases similarly, 92½'-93' - weak, 98½'-99½' - moderate.
	110	127	17	100	SKARN, siltstone with sections of massive garnet interspersed with sections with conspicuous feldspar enhedra to ½" long.
					FLUORESCENCE
					110' -111½' - weak (garnet rich)
952			4'		122½'-126½' - moderate-strong (garnet rich), 10% PO.

D. D. HOLE No. F-33-5

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Bogun: Endod: Logged by:

Samples	Footage drilled From	To	Len.	Rec. %	Geology
	127	130	3	100	SILTSTONE, feldspar-flecked
	130	234½	104½	100	SILTSTONE, dense, light and dark grey banded, bedding at 45° to core axis at 135', 5° to core axis at 170', 35° to core axis at 190' 60° to core axis at 215'
					FLUORESCENCE - nil to sparse
					152½'-153½' - weak 25% PO
					195' -196' - moderate
953			3½		208½'-212' - moderate, garnet skarn, minor PO
954			3		217½'-220½' - moderate, garnet skarn, 10% PO
955			4½		226' -230½' - moderate, garnet skarn, 5% Pyrrhotite.
	234½	276	41½	100	GRANITIZED SILTSTONE - bedding largely destroyed, blotchy pale pink feldspar constitutes 50% of rock. Garnet-rich skarn sections.
					FLUORESCENCE
956			2		234½'-236½' - moderate, garnet skarn, 10% pyrrhotite
957			3½		248' -251½' - moderate to strong, garnet skarn, 15% pyrrhotite, a few specks of chalcopyrite
958			8		260' -268' - average is weak, strong to moderate in narrow garnet sections in 3" bands containing 20% pyrrhotite.

D. D. Hole No.

D. D. HOLE No. F-33-5

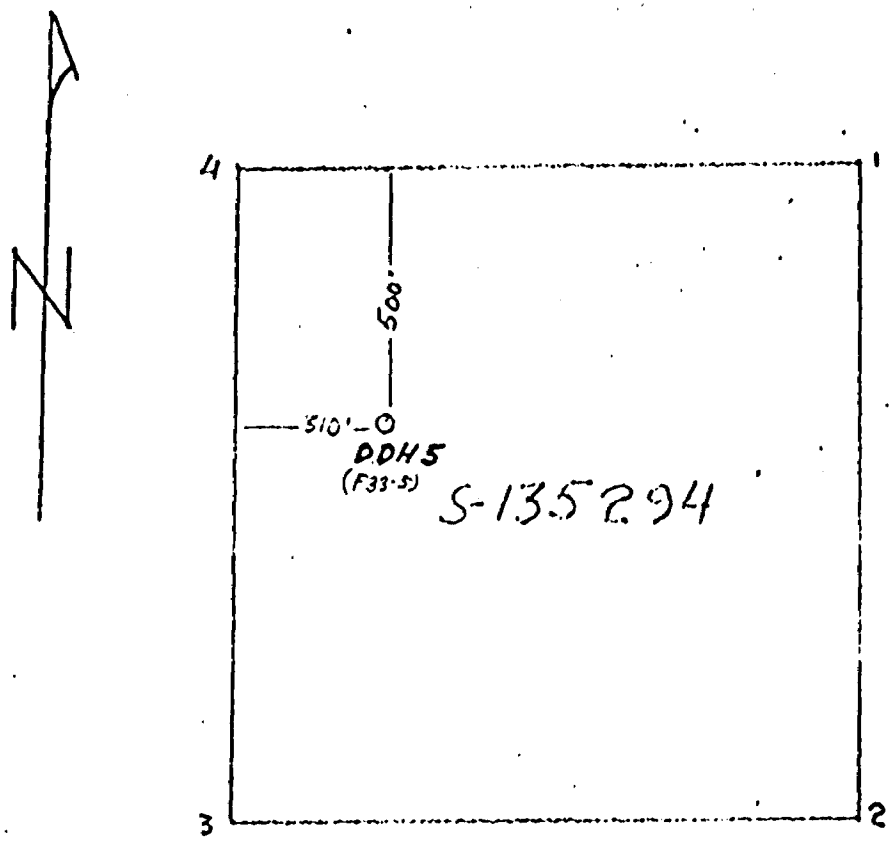
Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Rec. %	Geology
959			5		268' - 273' - average weak
	276	288½	12½	100	SILTSTONE, brecciated, unmineralized, bedding at about 60° to core axis.
	288½	295½	7	100	FELDSPATHIZED SILTSTONE, pale cream feldspar subhedral grains, averaging ¼" long. 2" of fluorescent skarn at 288½'.
960	295½	300	4½	100	GARNET SKARN, 70% pale yellow fluorescence, average weak-moderate. 5% pyrrhotite as disseminated grains.
	300	318½	18½	100	SILTSTONE, banded at 45° to core axis at 303', 55° to core axis at 312', 35° to core axis at 318'. Narrow skarn sections with moderate fluorescence.
	318½	320	1½	100	GRAPHITE
	320	322	2	100	SILTSTONE, brecciated
	322	346	24	100	SILTSTONE & GARNET SKARN, interbedded. Siltstone commonly feldspathized with pale pink stringers. Narrow fluorescent sections.
	346	368	24	100	SILTSTONE, local narrow feldspathized sections Little fluorescence until
961			5'		363' -368' - Strong, pale yellow 5% disseminated PO.
					Bedding at 45° to hole at 362'.
		368			END OF HOLE.



TEXAS GULF SULPHUR COMPANY

CLAIM SKETCH
D.D.H.5

FOSTER TOWNSHIP
SUDBURY MINING DIVISION

Scale 1" = 400'

File

D. D. HOLE No. F33-5

Loc. FOSTER TOWNSHIP ONTARIO Dip collar : -40° Bearing collar : Grid South Length: 600'

Collar el. :

Bottom el. :

Drilled by: Bradley Bros. Core size: AXT Begun: Aug. 9/67 Ended: Aug. 11/67 Logged by: V. Becker

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	368	371-½	3-½	100	SILTSTONE, pale greenish-grey, fine-grained with small irregular dark grey "splotches". Several 3"-5" skarn zones with minor pyrrhotite. At 357-½, 2" skarn section with moderate fluorescence (disseminated powellite grains 1 mm. diam).
	371-½	397-½	26	100	SKARN, garnet rich (20-30% of rock, average) Random garnet colour variation, reddish (2/3) and pale pink. Siltstone interbands are feldspathized. Few ¼" - 1/3" quartz veins; blebs po, trace cpy (371') at these, otherwise po less than 1%. 380'-381' broken core. Conspicuous dark siltstone bands ¼" - 1". 391' - 1/8" qtz-po-py vein. 396-½ - 397-½ - 3% dissem po. Bedding at 75° to core axis.
990	371-½	377	5-½		Fluorescence - moderate 371-½-373, 373-377 weak
991	377	383	6		" - very sparse 379-½-386, 386-387, weak
992	383	390	7		
993	390	392	2		
994	392	397-½	5-½		Fluorescence - weak 392-394-½, 396-397-½ mod. Mostly pale yellow powellite, very fine to medium grained.

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	386-½	452	65-½		Pale greenish Siltstone, with dark bands
	397-½	463	65-½		From 408-½ to 422-½ is predominantly dark
					gray with light greenish bands. F.g.
					Bdg. is 70-80° to core axis.
					Skarn development in much of this (low
					garnet content) with garnet-rich zones
					3-18" (at 400', 401', 405-406-½', 426').
					Few specks po except 1-2% in skarn zones.
					408-½ - 1-1/2" qtz. vein w/7% sulphides-po,
					cpy, py.
					410-½ - 1/4" qtz. vein w/10% po, cpy, py.
					417 - 1/2" qtz. vein w/5% po, cpy.
					420-½ - 1/2" qtz. vein w/10% cpy, po.
					425 - 6" of 3% po + cpy, in/recrystallized
					skarn zone.
					428-½-429-½ - 1' skarn zone, 2% po.
					434' - 4" of 2-3% dissem. po + minor cpy.
					Dark gray rock (408-½ - 422-½, 420-423) is
					fine to fine-medium grained, recrystallized
					metasomatized; esp. 420-422', 431-434'
					which is tremolite(?)-plag rock.
					FLUORESCENCE
					397-½ - 398 - weak
					399-½ - 402 - weak
					404 - 404-½ - strong, 4" of dissem., very
					fine to fine grained sch.
					405 - 407 - weak
					424 - 425 - 2 - 2" moderate zones
					D. D. Hole No. F33-5

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					FLUORESCENCE ..... continued
					433-½ - 434 - moderate
					439 - 6" skarn zone w/3% po.
					441-½ - 1/8" py. vein
					442 - 443 - garnet-rich skarn, ~2% po.
					447 - 448 - skarn, po mostly in 1/3" qtz. vein
					448 - 455 - Medium grained amphibolitic rock (tremolite?) w/several garnet-rick sections. Broken slicken-sided core @ 452'.
					451-½ - 4" qtz. vein, slicken-sided both sides, ~7% po, minor cpy.
					452 - 454-½ - Sulphide mineralized, po ~ 2%, minor cpy except at 453 - 454½. Section w/ ~1% cpy dissem. in one hairline fracture.
					458 - 460 - Skarn, garnet ~25%
					467 - Slickensided, broken core
	463	487	24	100	HORNFELS??
					Rock here is dark and light grenish-gray banded, w/recrystallized (tremolite?) sections. (463-487) is mostly fine to medium grained recrystallized. Inter-grown (hornfelsic?) texture.
					479-½ - 481-½ - Skarn, low garnet, po 1 - 2%

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					480-½ - 1" of 20% po + py.
	487	521-½	34-½	100	SILTSTONE
					Dark and light grenish-gray banded. Bdg.
					at 55-70% to Core axis. Bands ¼" to 18".
					489-490, 498-½-500-½, 505-506 - Pale gray
					feldspathized sections.
					495 - 1" qtz. vein, minor po + cpy.
					506 - 507 - broken core
					493 - 496-½ - altered, →skarn. ~5-10% garnet
					FLUOURESCENCE
					439 - 440 - weak
					442 - 443 - 4" section, f.g. moderate-strong
					446 - 447 - 6" section weak to moderate
					452-½ - 455 - weak, 2" section moderate
					457-3/4 - 469 - weak, fine grained
					467 - 1" med. to coarse grained. scheelite
					468 - 475 - very sparse mineralization,
					few large grains
					479 - 481 - weak, few large grains
					486-½ - 487 - weak
					510 - 1" qtz. vein w/20% po, minor cpy.
					511 - 1" large po blebs to 1/5"x 1/2"
					511 - 512 - slight garnet development
					517 - 518 - skarn, 35% garnet, 1" qtz.
					vein @ 518 w/minor po + cpy.
					D. D. Hole No. F33-5

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	521-½	551	29-½	100	HORNFELS (?)
					Heterogeneous rk. Some only slightly altered siltstone interlayers, 1-6" bands/w/slight to moderate garnet development.
					Feldspathized @ 514-515
					Fine to medium grained Siltstone banding preserved. Banding at 60° to core axis at 535'.
					533 - 534 - Skarn, low in garnet ~2% disseminated po, few hairline fractures w/po
					541 - 1/2" qtz. vein, 15% po + py
					545-½ - 1" qtz. vein, 10% po + brown sphal.
					FLUORESCENCE
					517 - 518 - moderate, fine grained dissem.
					525 - few 4 mm. grains
					533 - 534 - weak to moderate
					539 - 3" section weak
					548 - 2" weak
	551	574	23	70	SILTSTONE is dominant, with minor hornfels (felted texture) and skarn (garnetiferous rock). Bedding is at 70° to core axis.
					Coarse stringers of pyrrhotite, chalcopyrite and sphalerite occur sparingly.
					Pyrite occurs as a network in clear qtz. at 567'.

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

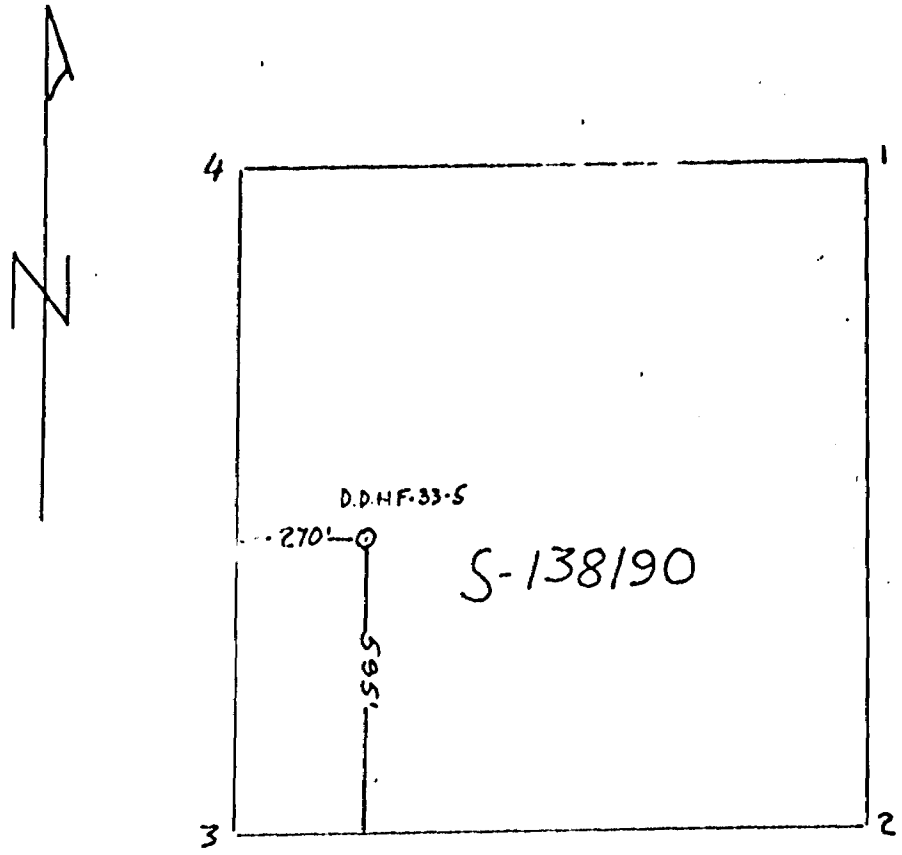
..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	574	588	14	60	HORNFELS, felted texture, minor grey-pink mottled siltstone. Quartz-feldspar stringers at 575', 1/4" grains of scheelite, w/ chalcopyrite and sphalerite amounting to 10% of the rock across 6". Much broken and slickensided core.
	588	600	12	40	HORNFELS, blocky core. Fault zone
		600			END OF HOLE.

D. D. Hole No.



TEXAS GULF SULPHUR COMPANY

CLAIM SKETCH
D.D H.5

FOSTER TOWNSHIP
SUDBURY MINING DIVISION

Scale 1" = 400'

Texas Gulf File

D. D. HOLE No. F33-6

Loc. FOSTER TWP., ONT. Dip collar : -40° Bearing collar : Grid South Length: .....

Dip Tests:

8+20N 300' -32.5° ..... : ..... Collar el. : .....

500' -32.5°

35+20E 800' -31.5° ..... : ..... Bottom el. : .....

Drilled by: Core size: AXT Begun: Aug. 12/67 Ended: Aug. 18/67 Logged by: R.M.Ginn

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	0	32	32	0	Overburden, sand
	32	56	24	100	SILTSTONE, banded dark and light grey, hard, sparse 1/4" wide quartz stringers, narrow blotchy sections of massive salmon pink garnet. No significant sulphides, negligible scheelite. Core angle with banding 75° at 50'. Breccia from 48-49-½, light grey frags. in dark grey matrix.
	56	100	44	100	SILTSTONE AND SKARN - Mostly light grey flinty slitstone with bands of pink garnet and about 10% pyrrhotite and chalcopyrite in 1" - 2" bands (at 75° to core axis at 59'). Scheelite mineralization weak to moderate across narrow widths, never justifying an assay across even 2'. Section from 92.5' to 94' is weak to moderate and is the best mineralized and thick skarn in the section. Banding at 97' is 90° to core axis.
	100	114	14	100	SILTSTONE, dominantly light grey, narrow dark grey bands at 90° to core axis. No significant sulphides, no scheelite.
	114	209	95	100	SKARN, MINOR SILTSTONE. Minor disseminated pyrrhotite and chalcopyrite in garnetiferous metasediment, core angle at 30° at 175'.
996	114	120	6		Local moderate scheelite with 5% po, cpy. Average of section, weak scheelite.
					D. D. Hole No. F33-6

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
997	124	129	5		Weak scheelite mineralization throughout
998	129	134	5		Moderate scheelite " "
999	146	150	4		Moderate " " "
1000	150	156-½	6-½		Weak " " "
1309	160	168-½	8-½		Moderate to weak " "
1310	170-½	177	6-½		Weak scheelite mineralization throughout
1311	177	183	6		" " " "
1312	198	202	4		" " " "
1313	207	211	4		" " " "
	209	236	27	100	SILTSTONE, banded light and dark grey, core angle of 55° at 216-½, 85° at 226-½. Weak scheelite mineralization from 207-208', 230-231'.
	236	268	32	100	SKARN AND SILTSTONE, each type amounting to 50% of the rock for thicknesses of about 2'. The siltstone is bedded at about 80° to core axis at 243', 80° at 267.
1314	246	250	4		Weak scheelite mineralization.
1315	256	261	5		" " "
					Siltstone is more dominant at the end of the section.
	268	269	1	100	GARNET HORNFELS, grey and green pyroxenitic metasediment with blotchy anhedral garnet, 10% pyrrhotite, moderate scheelite mineralization in 1/2" crystals.
					D. D. Hole No. F33-6

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

.... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	269	274	5	75	FAULT ZONE, angular breccia composed of hornfels fragments in calcite matrix, minor marcasite. Fault is post-scheelite.
	274	291	17	100	HORNFELS, with sections of skarn 1'-2' thick. Scheelite is present in the garnet-rich sections (skarn) but a section of felted texture hornfels from 285' to 286' contains about 2% molybdenite as evenly distributed flakes about 1/16" to 1/8" wide. Bedding at 276' is at 80° to core axis.
1316	277	285	8		Moderate-weak Scheelite, 5% po.
1317	285	286	1		2% molybdenite flakes
	291	293	2	90	Quartz Vein, grey, no sulphides or scheelite
	293	314	21	100	FELDSPATHIZED SILTSTONE, bedded at 70° to core axis at 303'. Light and medium grey rock with a few 1" dark bands, 1/16" feldspar grains throughout. Negligible scheelite
	314	319	5	100	HORNFELS, finely felted texture, rare 1/4" to 1/2" feldspar porphyro blasts
	319	329	10	100	SKARN. Garnet constitutes about 30% of rock, 5% pyrrhotite.
1318	319	327	8		Weak to moderate scheelite mineralization
	329	335	6	100	SILTSTONE, light grey, mottled by incipient feldspar, porphyro blasts.
	335	344	9	100	SKARN, 15% garnet. White feldspar euhedra to 337'.
1319	337	344	7		Weak scheelite mineralization, 5% po.
					D. D. Hole No. F33-6

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. :.....

..... : ..... : ..... Bottom el. :.....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	344	398	54	100	SILTSTONE, dark and light grey banded at 75° at 365', 85° at 379'. Light grey bands commonly contain 30% feldspar euhedra, 2" quartz vein at 357' containing 1/2" scheelite crystal, but scheelite content is negligible.
	398	410	12	100	HORNFELSIC SILTSTONE, very finely felted texture. Darker bands have fine grained light coloured (feldspar?) grains. Rock is considerably fractured but coherent. 1/4" quartz stringers occur every 2', and at 406' there is a 1-1/2" quartz stringer containing 8% po + cpy + sph. with moderate dusty scheelite.
	410	442	32	100	SILTSTONE, lacking appreciable feldspathization to 422' but with it much developed following 422'. Scheelite absent in unfeldspathized portion, present as isolated 1/4" grains following 422'. Bedding at 60° at 422', 433'. Quartz vein from 437-½ to 438-½ at 35° to core axis in fault gouge. (Narrow fault)
	442	445	3	100	SKARN, heavy garnet section with strong scheelite mineralization, 5% pyrrhotite.
	445	565	120	100	FELDSPATHIZED SILTSTONE; heavy feldspathization as salmon pink shards and knots. Quartz stringers at 469' and 478' have white feldspar borders. Bedding at 70° at 462', 75° at 470, 65° at 484', 85° at 543', 90° at 565'. D. D. Hole No. F33-6

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					Scheelite is speckled sparsely throughout.
1320	443	448-½	5-½		Moderate scheelite mineralization, 5% po.
					Hairline fractures parallel to the core
					have occurred throughout the hole, are
					more abundant in this section. There
					is a very slight displacement on some
					of these, which have quartz filling and
					dark grey alteration margins, similar
					to the dark grey of the banded siltstone.
					They are not mineralized.
	565	620	95	100	SILTSTONE, local moderate feldspathization.
					bedding at 85°. Local dusty po + cpy to
					10%, moderate scheelite from 577' - 578-½',
					586' - 587', strong scheelite, coarse-
					grained, from 593-½ - 595'. Local 2"
					bands of scheelite occur throughout this
					zone. The section from 586-½' - 588-½',
					contains 5% specks of unidentified metallic
					sulphide, grey H = 4.5.
1321	586-½	588-½	2'		Moderate scheelite for 1', unknown sulphide
					mineral.
Fault	620	655	35	70	SILTSTONE, open blocky ground, local fault
					breccia.
	655	710	55	95	HORNFELS, Felted texture of tremalite, diop-
					side, quartz, minor dusty pyrite section
					from 676'- 678' contains moderate scheelite
					mineralization.
	710	750	40	95	SILTSTONE 2ND HORNFELS, dark grey, beds are
					about 3 " to 2' thick. Hornfels appears

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Began: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					to have developed in beds of reactive composition. Dark grey siltstone is locally cross-bedded, tops up the hole. Unmineralized throughout.
	750	763	13	30	FAULT GOUDGE, sheared at 45° to 50° to core axis. Broken quartz. at 760 - 761', with minor grains of py.
	763	776	13	95	SILICEOUS SILTSTONE + QUARTZITE. Med. gray, very hard, mottled with quartzite, grading into 6 - 12" vein quartzite sections. minor brecciation. Very minor py, po +cpy grains, mostly in 1/8 - 1/4" quartz-veinlets, also platy py on parting surfaces. 774' - 1½" quartzite vein with 10% coarse py, 5% reddish-brown sphal.,minor po. No W minor zinc.
	776	780	4	55	FAULT GOUDGE, quartzite + siliceous siltstone, Mostly sheared at 0-20° to C.A.
	780	821	41	95	IMPURE QUARTZITE + SILICEOUS SILTSTONE 780-783' - Vein quartzite. Then slightly blocky ground to 789'. Med. gray impure quartzite, f.g., with 6"-2' dark gray siliceous siltstone interbeds. Minor py, in parting planes. Few ¼" quartzite veinlets with py, po, cpy sph.

Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					798½-799½' - weak Fluorescence,- f.g.
					dissem. scheelite. Also ~10% dissem.
					sulphides (po, cpy, sph.?) Few scattered
					garnets, f.g. This 1' prob. quartzite
					equivalent of skarn. Bdg. 90° to C.A.
					at 805', 55° to C.A. at 821'. Broken
					case, blocky at 810 - 818' (in quartzite)
					Platy py. on hairline fractures. 814½'-
					1/8" veinlet with scheelite specks.
	821	840	19	65	QUARTZITE + SILTSTONE, blocky ground, local
					fault breccia shearing mostly 5-15° to C.A.
					Rock is interbedded quartzite (pale gray),
					and slightly metasomatized siltstone or
					greywacke. Latter has ~ 3% f. dissem.
					sulphides - most or all is py.
					Also platy py on fracture + shear surfaces.
					Few ½" blebs py.
					Few specks scheelite @ 822'.
	840	881	41	90	SILTSTONE +QUARTZITE
					Light grey quartzite 840-843'.
					Then dark grey siltstone with py veinlets
					platy py. + few po. blebs.
					847' - 6" fault breccia zone with 1" quarts
					vein. 3" weak scheelite mineralization
					below quarts vein. 847 - 850' Dark grey
					siltstone with small irregular po. vein-
					lets + blebs. About 1-2% of this section
					is po. Minor associated cpy @ 849', 850'.
					D. D. Hole No. F33-6

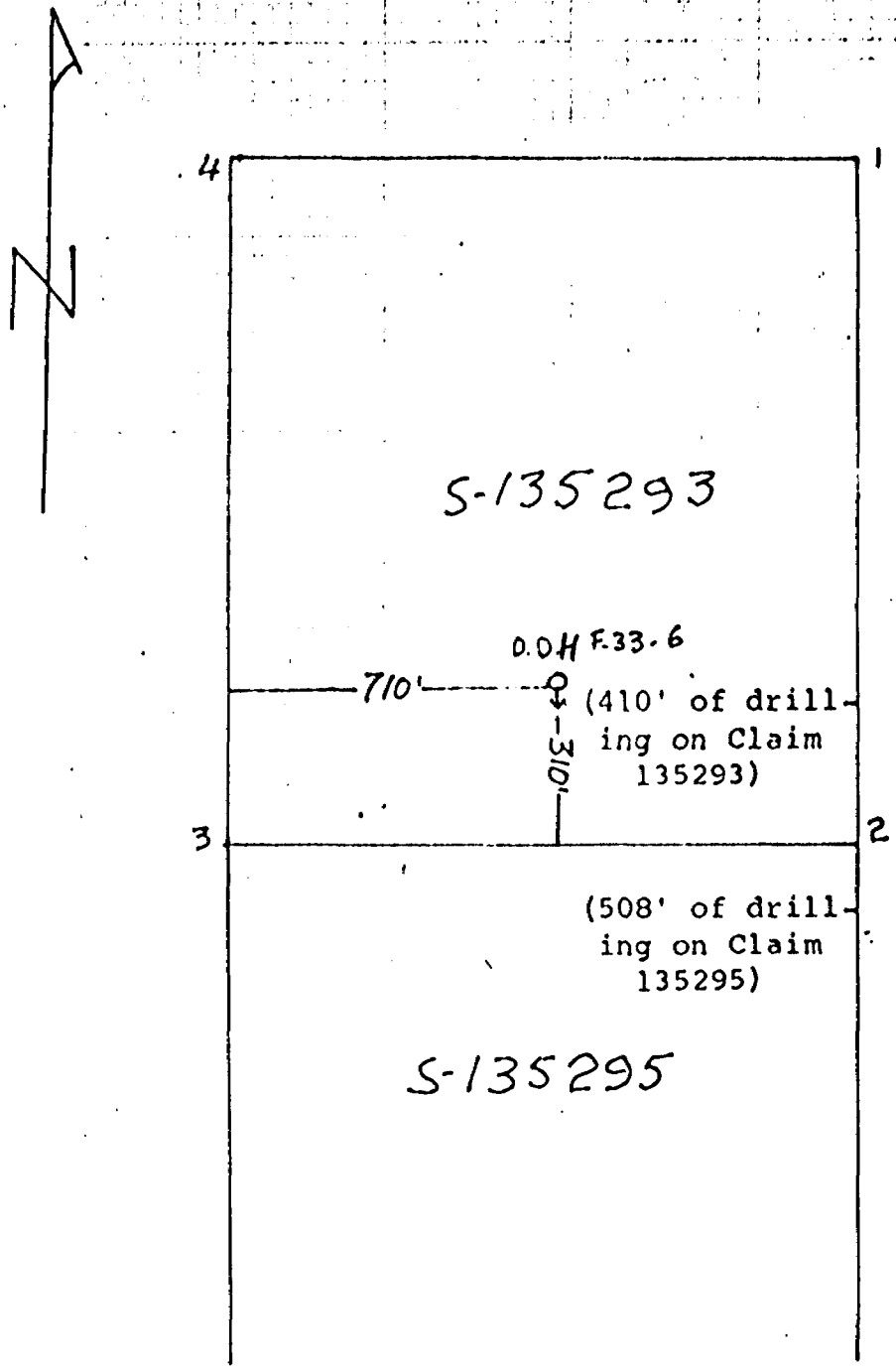
Loc. ..... Dip collar : ..... Bearing collar : ..... Length: .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
					850-852½' - Shear zone.
					856 ½ - 881 Impure quartzite. Few py +
					po veinlets.
					859 - 863½ - 5% disseminated po. + minor
					cpy. Pale purplish tinge @ 872 - 879'
					(F. dissem. garnets?).
					Cpy. in ¼" quarts vein @ 877'. Few Py.
					+ po. Blebs.
	881	901	20	50	BLOCKY + MISSING CORE
					Impure quartzite, with ½ - 1' dark grey
					siltstone interbeds.
					Minor platy py. on shear surfaces. Shear-
					ing @ 40° to C.A. at 890', but variable
					over this section.
	901	918	17	80	QUARTZITE + SILTSTONE
					Med. grey f. med. grain quartzite, with
					med. to dark grey, slightly metasomatized
					siltstone + or graywacke sections, 6" - 1',
					at 909', 917'. Several 1' blocky sections.
					V. minor platy py. on shear surfaces.
					901 ½' - 1/3" quartz vein with very coarse
					scheelite, ~35% of vein; vein edges have
					py.
					Otherwise no mineralization.
	918				END OF HOLE
					D. D. Hole No. F33-6



TEXAS GULF SULPHUR COMPANY

CLAIM SKETCH
D.D.H.6

FOSTER TOWNSHIP
SUDBURY MINING DIVISION

Scale 1" = 400'

Loc. Foster Twp. Dip collar: -60° Bearing collar: 140° Length: 931'

19+00E 400: -58° Collar el.:

11+00N 800: -56° Bottom el.:

Drilled by: Longyear Core size: AQ Begun: Dec.2/71 Ended: Dec.7/71 Logged by: R.M. Ginn

Samples	From	To	Len.	Geology
xxxx	0	14	14	OVERBURDEN
	14	29	15	QUARTZITE, fine-grained, dense, generally pale grey with dark grey sections. Bedding at 21' is 70° to core axis. Fractured from 26' to 29', no evident mineralization.
	29	838	809	DIABASE, fine-grained at contact (chilled), gradually coarsening to 48' to medium-grained, then coarse-grained after 120'.
				quartz veins occur sporatically through section, are generally 1/4" to 6" wide, no preferred orientation
				91' - gradual appearance of po. stringers, at first narrow and discontinuous, gradually increasing in number and width so the section from 132'-147' contains 10% po. with accessory py. stringers and rare specs of chalcopyrite. Where sulphides are heavier or disseminated through the rock, the feldspar grains have been destroyed and the rock is generally altered to fine grained epidote.
				Note: dimethylglyoxeme failed to indicate the presence of nickel.
				po. disseminations and stringers constitute about 5% of the rock from 147' - 215'

Loc. ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				244'-246' - quartz vein (dark) containing sparce grains of scheelite.
				250'-300' - diabase is locally altered across narrow widths flanking 1/4" quartz veins containing 5% po. with specs of chalco. and scheelite. Veins occur about 1 per 2 feet.
				322'-327' - core altered and blocky (especially 225'-226') felted texture.
				327'-357' - 10% po. throughout diabase with felted texture cut by trap dike from 350'-352'.
				357'-525' - diabase with few narrow quartz veins in locally felted sections with rare po., chalco. and scheelite grains as at 500'-501'.
				525'-542' - trap dikes rutting diabase (chilling seems to be in the trap dike within 1/4" of contact). They contain 5% disseminated po.
				542'-600' - coarse-grained diabase.
				600'-747' - medium-grained diabase, fresh, broadly transitional from previous section and into following section.
				714'-716' - trap dike with finely disseminated po. and chalco., chilled against host diabase; character of sparse veins has changed from greasy quartz to diffuse mottled quartz-feldspar. There are also very narrow felsite dikelets with chilled ~~contacts from 675'-747'~~. Minor scheelite with chalco. and po. in diffuse veins.

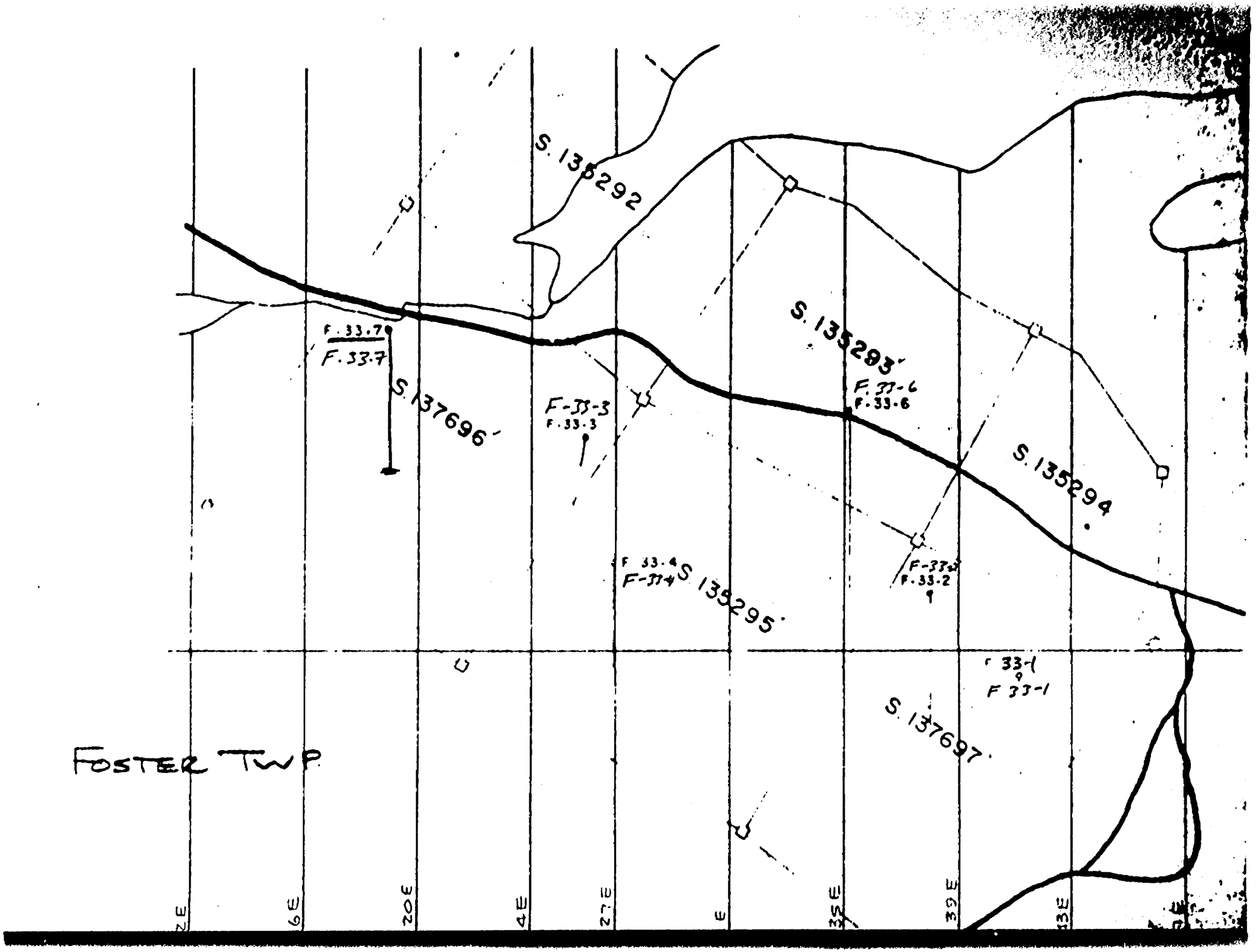
Loc. Dip collar : Bearing collar : Length :

Collar el. :

Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				747'-838' - fine-grained diabase cut by trap dike at 753'-754'.
	838	926	88	QUARTZITE medium grey and dark grey, fine-grained, well bedded at 70° to core axis at 840', 65° at 855', 75° at 923'; a po. narrow stringer occurs at 841'
	926	931	5	TOP OF ESPANOLA FORMATION, varved "siltstone" consisting of banded cream grey and dark grey-green bands about 1" to 4" thick with dark quartzite interbeds. 926'-927' - contains a trace of chalcopyrite and very fine-grained molybdenite (?) in the light cream bands.
		931		END OF HOLE
				Note: Casing left in hole and plugged.


S. 136292
S. 135293
S. 135294
S. 135295
S. 137696
S. 137697
F. 33.7
F. 33.7
F-33-3
F. 33.3
F. 33-6
F. 33.6
F 33.4
F-33-4
F-33-2
F. 33.2
F 33-1
F 33-1
FOSTER TWP.
2E
6E
20E
4E
27E
E
35E
39E
43E

D. D. HOLE No. F-33-9

Loc. FOSTER TOWNSHIP | Dip collar: -70° | Bearing collar: 140.0° | Length: 1779'
400' -65° 400' 153.5°
52+00E 800' -59° 800' 152.0° Collar el.:
1200' -58° 1200' 154.5°
12+00N 1600' -52° 1600' 161.0° Bottom el.:

Drilled by BRADLEY BROS. Drill size: AQ Begun: Aug. 5/72 Ended: Aug. 22/72 Logged by: RMG/RSN

Samples	Footage drilled From	To	Len.	Geology
xxxx	0	6	6	OVERBURDEN
	6	36.5	30	QUARTZITE (3b) fine grained with thin (1/2"-1") beds. Bedding 45° to C.A. at 8'. Contact with trap is 10° to C.A. and is somewhat brecciated along with much chloritic slips. Sparce pyrrhotite found throughout.
	36.5	39	2.5	Trap, very fine grained dark grey to black rock. There are dark green specs of chlorite(?) with pyrrhotite grains in the core throughout the rock. Lower contact is 45° to C.A.
	39	51	11	QUARTZITE (3b), as above with alternating cream and grey bands. Sparce pyrrhotite throughout. Contact with diabase is 25° to C.A.
	51	120.5	69.5	NIPISSING DIABASE (5a), medium to coarse grained dark grey rock with well developed amphiboles. The contacts are chilled for 2' at each end with lower contact also having quartz veining at 45° to C.A. The lower contact is 20° to C.A. Up to 5% pyrrhotite disseminated in the rock. No scheelite.
	120.5	188	67.5	SUB-GREYWACKE (3a), dirty looking fine grained quartzite. Close to the lower contact the rock is somewhat brecciated with quartz, calcite, some pyrrhotite and minor chalcopyrite filling in the cracks. Bedding 45° to C.A. at 148'. Pyrrhotite also occurs in 1/8" quartz stringers. Scheelite occurs at 185' in a 1" slightly feldspathized section 40° to C.A. with some pyrrhotite. Lower contact with diabase not obtainable due to blocky core.

D. D. HOLE No. F-33-9

Loc. ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx	188	213	25	DIABASE (5a?) - fine grained with amphiboles 1 mm. long and feldspar laths ranging from 1 x 1 mm. to 2 x 6 mm. throughout. There is 2-5% pyrrhotite throughout as very finely disseminated specs along with very sparse chalcopyrite. Scheelite occurs in an 1/8" vein 55° to C.A. at 199' with pyrrhotite. The contacts are chilled for 2' at each end with the lower contact being smooth, abrupt and 35° to C.A.
	213	323.5	110.5	NIPISSING DIABASE (5a) - as before with coarse grained feldspar and amphiboles 2-3 mm. long. There is 3-5% pyrrhotite throughout with greater amounts in 1"-2" quartz veins that occur randomly along this section. Chalcopyrite is present in sparse specs. Scheelite occurs as 1 grain is a pyrrhotite filled 1/8" fracture at 238.3'. Included sediments occur in three 1' sections from 273-289' carrying up to 5% pyrrhotite and .5% chalcopyrite. Lower contact is 60° to C.A. chilled over 1' with abundant calcite and chlorite.
	323.5	664	340.5	QUARTZITE (3b) and SUB-GREYWACKE (3a) - the proportion of sub-greywacke beds increases down the hole. Tactite occurs locally at 624-625'. Brecciated beds (quartzitic type) occur over short lengths (6"-18") in which the matrix is a dark brown chlorite(?). No mineralization associated with the breccia. Within some quartzitic beds there is local scheelite, pyrrhotite, pyrite (euhedral) and minor chalcopyrite.

D. D. HOLE No. F-33-9

Loc. ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				Bedding: 45° to C.A. at 364'
				45° to C.A. at 524'
				45° to C.A. at 650'
	664	666	2	FAULT - brecciated rock with lots of dark green chlorite
	666	738	72	SUB-GREYWACKE (3a) and QUARTZITE (3b) - as before with granitized sediments at 713-718' accompanied by scheelite and pyrrhotite. At 733a 1/4" quartz vein 5° to C.A. contains pyrrhotite, chalcopyrite and sphalerite.
	738	743	5	TRAP - fine grained as before. The drill hole seems to run parallel to the contact.
	743	769	26	SUB-GREYWACKE (3a) and QUARTZITE (3b) - granitized sediments occur at 743-744, 750-750.5, 765-767.5. No scheelite accompanies these sections.
	769	772	3	TACTITE (4t) - slightly granitized sediments with orangy-pink garnets accompanied by specs of scheelite. Lower contact 50° to C.A.
	772	776.5	4.5	SUB-GREYWACKE (3a) - as above with conspicuous hair-line quartz and calcite filled fractures with some pyrrhotite and no scheelite.
	776.5	835	58.5	TRAP - as before with chilled contacts. The rock is relatively coarse grained (for this rock type) with amphiboles appearing like black splinters 2 mm. long and round feldspars up to 2 mm. in diameter in a matrix of very fine grained dark grey rock. Again the drill hole seems to be going down the contact of this rock because in several places sediments may appear on one half of the core and

D. D. HOLE No. F-33-9

Loc. Dip collar : Bearing collar : Length :

Collar el. :

Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				trap on the other half with contact running parallel to the core axis. Scheelite occurs at 789' in a 1/4" quartz-calcite vein.
	835	860	25	GREYWACKE (4a) - dark grey, very fine grained rock with occasional lighter grey beds. No significant mineralization observed.
	860	953	97	TRAP - as above. Upper contact 10° to C.A. Throughout the rock there are some hairline fractures filled with calcite and quartz.
	953	956	3	GREYWACKE (4a) - as above. At 956' there is a 2" vein with massive chalcopyrite, accompanied by scheelite and minor molybdenite.
	956	971	15	SILTSTONE (4s) - light and dark grey bands of very fine grained siltstone 6"-3' in thickness. The darker beds are beginning to look slightly digested by the lighter ones. Bedding at 969' is 45° to C.A. Scheelite occurs with pyrrhotite in 2" thick beds at 961.5 and 962.0'. Lower contact is 45° to C.A.
	971	1033.5	62.5	TRAP - as above only no quartz veins. No mineralization appart from the very minor pyrrhotite specs. Lower contact is 35° to C.A.
	1033.5	1139.5	106	TACTITE (4t) and SILTSTONE (4s) - Tactite carries scheelite, pyrrhotite and minor molybdenite while the siltstone carries pyrrhotite and molybdenite. Some of the scheelite occurs as coarse grained euhedral grains. Bedding 45° to C.A. at 1122'.
	1139.5	1156	16.5	TRAP - as before, with upper contact at 20° to C.A. The angle between the bedding and contact appears to be 90° and the trap would appear to come from grid E of the hole.

D. D. HOLE No. F-33-9

Loc. Dip collar : Bearing collar : Length :

Collar el. :

Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx	1156	1194	38	SILTSTONE (4s) and TACTITE (4t) - scheelite accompanies sulphides in minor amounts. Sections of tactite with no sulphides have no scheelite. There are some narrow (6") veins of talc(?) or tremolite(?) with scheelite at 1093. The massive feldspathized tactite has a grey, vitreous, anhedral mineral of hardness ~5 throughout. Sphalerite and chalcopyrite also occur in the tactite. Bedding is 45° to C.A. at 1183'.
	1194	1209	15	TRAP - as before
	1209	1218	9	GRANITIZED TACTITE (4t, 6) - characterized by its blotchy nature (feldspars forming). Bedding is still evident at 1211' being 50° to C.A.
	1218	1232	14	SILTSTONE (4s) - darker bands are somewhat digested by the lighter grey material. Black hairline fractures occur from 1227-1232'.
	1232	1241	9	TACTITE (4t) - as before with flourite occuring in a 1/4" quartz-calcite vein at 1238'. Pyrrhotite with minor molybdenite and chalcopyrite occur locally in this section. Scheelite occurs throughtout. There is a section of up to 5% molybdenite at 1236-1236.5'.
	1241	1254	13	SILTSTONE (4s) - with conspicuous digestion of the darker beds. Sparse scheelite in this section. Heavy pyrrhotite, molybdenite and shceelite does occur from 1250.5-1254'.
	1254	1271	17	TACTITE (4t) - with finely disseminated pyrrhotite, scheelite, chalcopyrite and sphalerite.

D. D. HOLE No. F-33-9

Loc. | Dip collar : | Bearing collar : | Length :

Collar el. :

Bottom el. :

Drilled by: | Core size: | Begun: | Ended: | Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx	1271	1374	113	SILTSTONE (4s) - with narrow (1'-2') tactite beds. Dark beds are quite digested with appearance of blotchy to subhedral cream feldspar. Bedding: 45° to C.A. at 1300' 45° to C.A. at 1366'
	1374	1399	25	FAULT - very blocky core, highly brecciated with fragments surrounded by pyrrhotite, minor chalcopyrite and locally abundant sphalerite. The sulphides, however, are in minor amounts and do not warrant assay. There is a narrow granitic section 1391-1392.5' in which fragments have been healed with pyrrhotite.
	1399	1437	38	SILTSTONE (4s) - with much digestion and barren quartz and calcite veining. Bedding 55° to C.A. at 1428'. Section from 1420.5-1425 is heavy in scheelite within tactitic beds.
	1437	1470	33	TRAP - as before. Upper contact is 20° to C.A., lower contact is quite brecciated with lots of chlorite and some molybdenite (very minor) along slip faces.
	1470	1488	18	SILTSTONE (4s) - dark beds are highly digested. Scheelite occurs locally in slightly tactitic beds.
	1488	1495	7	TACTITE (4t) - at 1493.5 heavy molybdenite over 3". Scheelite occurs throughout the section with pyrrhotite and minor chalcopyrite.
	1495	1693	198	SILTSTONE (4s) - development of actinolite accompanied by minor pyrrhotite in the dark bands begins at about 1497' and becomes predominant after 1650'.

D. D. HOLE No. F-33-9

Loc. ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				Development of creamy to light brown feldspars in the lighter bands becomes apparent from 1654-1693'. Tactitic beds well mineralized over short lengths (3"-1') contain shceelite, pyrrhotite and minor chalcopyrite and molybdenite occur from 1495 to 1581'. There is a marked increase in powellite vs. scheelite in this section. Heavy molybdenite occurs from 1539-1540'. There are several 1"-2" quartz veins carrying pyrrhotite, chalcopyrite and scheelite in the section from 1530 to 1550' as at 1532, 1568 and 1549'. After 1581' mineralization is restricted to veins and short (6"-2') granitized sections as at 1608-1612'. Bedding is 40° to C.A. at 1685'.
	1693	1779	86	QUARTZITE (3) - transition zone from 4s to 3 runs for about 2 feet. The quartzite is dark grey with closely spaced bleaching around hairline quartz veins as at 1693-1695' and deminish downward. There are 1/4" average diameter cream grey rounded alteration spots (feldspars?) from 1755' to the end of the hole. Very sparse shceelite and chalcopyrite in veins occurs in this section. The bedding is 75° to C.A. at 1738'.
		1779		END OF HOLE

D. D. HOLE No. F-33-11

Loc. FOSTER TWP.		Dip collar :	-46°	Bearing collar :	140°	Length :	557'
61+00E		200'	-44°	200'	136°	Collar el. :	
3+20N		400'	-42°	400'	138°	Bottom el. :	

Drilled by BRADLEY BROS. Core size: AQ Begun: Sept. 6/72 Ended: Sept. 12/72 Logged by: R.S.N.

Samples	Footage drilled From	To	Len.	Geology
xxxx	0	36	36	OVERBURDEN, casing
	36	156	120	SILTSTONE, fine grained alternating dark and ligh grey rock. The dark beds are well digested and have alteration stringers throughout with quartz at the core and light green epidote(?) around the quartz. These carry some pyrrhotite, scheelite and molybdenite. The lighter beds contain cream to pink feldspar and is quite silicified. Locally there is well healed breccia as at 67'. There are some thin 3"-12' beds of tactite in this section after 82' carrying heavy scheelite, pyrrhotite and minor chalcopyrite. Bedding is difficult to obtain because the beds are so digested, however at 125' the bedding appears to be 85° to C.A.
	156	159	3	QUARTZ VEIN, well mineralized with scheelite, pyrrhotite and minor chalcopyrite. Also has light green epidote(?) throughout.
	159	162	3	SILTSTONE, as above
	162	167.5	5.5	FAULT, very blocy core. There are conspicuous blobs of molybdenite throughout. There is no scheelite.
	167.5	180	12.5	SILTSTONE, the darker beds have cream and pink feldspar, light green eipdote and are quite silicious. The lighter beds also have cream and pink feldspar with many hairline dark blue-grey fractures throughout the rock. Core is still somewhat blocky.

D. D. HOLE No. F33-11

Loc. | Dip collar : | Bearing collar : | Length :

Collar el. :

Bottom el. :

Drilled by: | Core size: | Begun: | Ended: | Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx	180	211	31	TACTITE, 85% and SILTSTONE 15%, well mineralized with scheelite, pyrrhotite and minor chalcopyrite. In places the tactite appears to be granitized as at 208'. The core is still quite blocky, especially the sections at 190-191', 205-207', 209-210.5'.
	211	218	7	GRANITIZED SILTSTONE, lots of blotchy cream and pink feldspar with bedding obliterated. The rock is quite silicified. Scheelite occurs from 211-216'.
	218	335	117	SILTSTONE, highly silicified with dark beds well digested and actinolitic. Scheelite with pyrrhotite and minor chalcopyrite and sphalerite occurs in dark and light beds from 284-335' where actinolite occurs in well formed 2-3 mm laths. Quartz veins accompanied by pyrrhotite, scheelite and minor chalcopyrite also occur in this latter section. In the lighter beds there are alteration stringers with silicic cores (1/8" wide) and amphobilitic edges (1/8"-1/4" wide). These stringers are well mineralized with scheelite and pyrrhotite. Bedding, although obscure appears to be 60° to C.A. at 229' and 50° to C.A. at 333'
	335	341	6	TACTITE, development of light red to orange garnets. This section has scheelite, pyrrhotite and minor chalcopyrite throughout.
	341	538	197	SILTSTONE, as before only slightly more metamorphosed. 1/2"-3/4" veins (?) of amphibolitic material containing quartz and pyrrhotite cut the rock at

D. D. HOLE No. F33-11

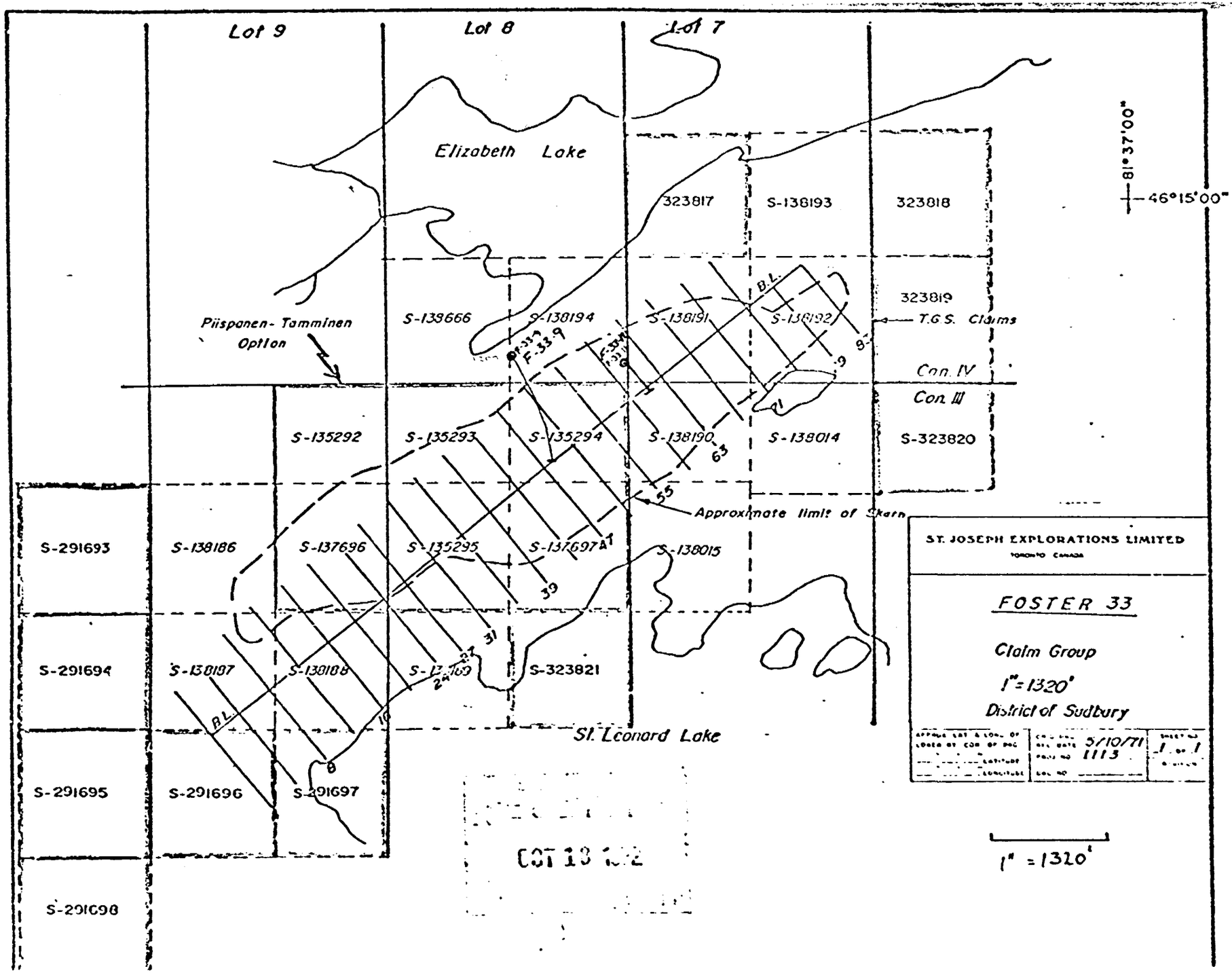
Loc. ..... Dip collar : ..... Bearing collar : ..... Length : .....

..... : ..... : ..... Collar el. : .....

..... : ..... : ..... Bottom el. : .....

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				70-90° to C.A. at 378.5, 390, 392, 393.5 and 395'. At 380 and 381' there are quartz veins lined by euhedral looking cream feldspar. This feature has the appearance of a vuggy crack which has been filled with quartz. The actinolite alteration continues in this section and often the black spots in lighter sediments give the rock a granitic look. There are granitized sediments at 409, 420, 435, 447, 451, 458, 498 and 503' characterized by blotchy cream and pink feldspar and obliteration of bedding. 6"-18" quartz veins containing pyrrhotite, pyrite and minor scheelite and molybdenite occur at 507, 516, 519, 529, 531 and 532'.
	538	557	19	QUARTZITE, dark grey, very fine grained, massive looking, silicious rocks are cut but hairline stringers of quartz and calcite. There are some 6" chloritic sections which contain stringers of pyrite and pyrrhotite. Euhedral pyrite grains occur from 554' on.
		557		END OF HOLE.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Lot 7
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46°15'00"
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T.G.S. Claims
Piispanen-Tamminen Option
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B.L.
Con. IV
Con. III
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Approximate limit of Skarn
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S-138186
S-137696
S-135295
S-137697A
S-138015
S-291694
S-138197
S-138188
S-323821
St. Leonard Lake
S-291695
S-291696
S-291697
S-291698
ST. JOSEPH EXPLORATIONS LIMITED
TORONTO CANADA
FOSTER 33
Claim Group
1"=1320'
District of Sudbury
5/10/71
1113
1 of 1
1" = 1320'

D. D. HOLE No. F-33-13

Loc. 53E, 2+50S Dip collar : 40° Bearing collar : 140° Length : 686'

Collar el. :

Bottom el. :

Drilled by: BRADLEY Core size: AQ Begun: Sept. 21/72 Ended: Sept. 26/72 Logged by: P.T. George

Samples	Footage drilled From	To	Len.	Geology
xxxx	0	10	10	OVERBURDEN: casing left in hole
	10	25.5	15.5	QUARTZITE: fine grained to aphanitic, medium grey to dark grey colour; quartz dominant with minor feldspar and biotite - - minor carbonate veinlets - minor dissem. scheelite at: 1" @ 11' 1" @ 12' 2" @ 12.5' - bedding @ 60° to C.A.
	25.5	26.75	1.25	QUARTZ VEIN: white to light grey quartz with minor pale buff carbonate. Chalcopyrite dominant sulphide (<1%). Minor sericite along contact. Contact @ 20° to C.A.
	26.75	38.25	11.5	QUARTZITE: Aphanitic, light grey, cherty quartzite. Bedding at 65° to C.A. Minor quartz-carbonate veining. Abrupt change to dark grey, fine grained quartzite at 38.25. 6" quartz vein @ 25.5-26.75 at 28'.
	38.25	80.5	42.25	QUARTZITE: fine grained, dark to medium grey coloured, fine regular to mottled colour banding. Minor scheelite to 50'; significant scheelite from 50 to 80.5'. Fine disseminated po and cpy. Note some po occurs in cubic habit - possibly pseudomorphic after py. Sections carrying significant scheelite often have a light buff, slightly bleached appearance.
	80.5	86	5.5	DIABASE DIKE (PORPHYRITIC): Aphanitic to v. f. gr. black matrix with occasional feldspar (5%, colourless) phenocrysts 1/4"-3/8" across.

Foster Trip
Report # 16-73
St Joseph Exploration Ltd

D. Hole No. F-33
REGISTERED PROFESSIONAL ENGINEER
P. T. GEORGE
PROVINCE OF ONTARIO

Peter T. George

D. D. HOLE No. F-33-13

Loc. ..... Dip collar : ..... Bearing collar : ..... Length :

..... : ..... : ..... Collar el. :

..... : ..... : ..... Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx				Contact with quartzite at 55° to C.A. Minor fine carbonate veinlets.
	86	253.5	167.5	QUARTZITE: As 38.25-80.5; significant dissem. scheelite in sections 86 to 110, 165-225, and 240-255. Numerous carb. veinlets and fine black to dark grey quartz(?) veinlets. At 105', first appearance of bleaching to a light grey green for 1/16" around veinlets. Considerable bleaching (25-50% of section) from 122 to 253.5 with numerous euhedral to subhedral pyrite grains up to 1/4" across. 153.5 - 4" Quartz vein similar to 25.5-26.75
	253.5	254.5	1	QUARTZ VEIN: White to grey quartz vein with cpy, py and po in coarse blebs plus coarse books of sericite. Contact with quartzite at 25° to C.A.
	254.5	268	7.5	QUARTZITE: Fine to medium-fine grained, 90% bleached to light grey with 10% irregular midgrey patches. <1% euhedral py in bleached sections. Minor scheelite in 1/4" quartz vein at 261.5'.
	268	270	2	QUARTZ VEIN: As 253.5-254.5. Contact with quartzite at 15° to C.A.
	270	361.5	91.5	QUARTZITE: Fine to medium grained quartzite. Dominantly mid to dark grey. Approximately 20% of section bleached to light grey in sections up to 2' long but averaging less than 1'. Minor quartz and carbonate veining. 270-277: 3 - 1/2" to 1" sections of dissem. scheelite 309.5-312.5: dissem. scheelite, weak to moderate 314-315: dissem. scheelite, [illegible] to moderate

REGISTERED PROFESSIONAL ENGINEER
P. T. GEORGE
PROVINCE OF ONTARIO

D. D. HOLE No. F-33-13

Loc. | Dip collar : | Bearing collar : | Length :
Collar el. :
Bottom el. :
Drilled by: | Core size: | Begun: | Ended: | Logged by:

Samples	Footage drilled From	To	Len.	Geology
xxxx	361.5	372.5	11	DIABASE/TRAP: Aphanitic to fine grained, inequigranular with approx. 5% phenocrysts of light grey fine to medium grained feldspar. Minor quartz and carbonate veining with minor scheelite. One 1/2" quartz vein with cpy, po and py similar to 253.5-254.5.
	372.5	464.5	92	QUARTZITE: as 270-361.5'.
				372.5-375: minor dissem. and quartz vein scheelite in bleached, sericitic quartzite
				378: few dissem. grains scheelite
				387: 2" mod. dissem. scheelite in bleached sericitic quartzite (BSQ)
				428-429: mod. dissem. scheelite in BSQ
				431.5-432: 2 - 1" sections of mod. dissem. scheelite in BSQ
				432.5-433: mod. dissem. scheelite in BSQ
				438.5-439.5: very weak to mod. dissem. scheelite in BS
				444-446: weak to mod. dissem. scheelite in BSQ
				465: few grains scheelite
	464.5	521	57.5	DIABASE: Aphanitic to med. grained, dark grey to black inequigranular in fine grained parts within 5'-10' of each contact with phenos of feldspar. Central medium grained portion of dike contains 25-50% euhedral to subhedral elongate light grey feldspar grains, randomly oriented. Minor quartz and carbonate veining. A few grains of scheelite were observed at 505-506.
	521	562.5	41.5	QUARTZITE: As 270-361.5. Bedding at 90° to C.A.

REGISTERED PROFESSIONAL ENGINEER
P. T. GEORGE
PROVINCE OF ONTARIO

D. D. HOLE No. F-33-13

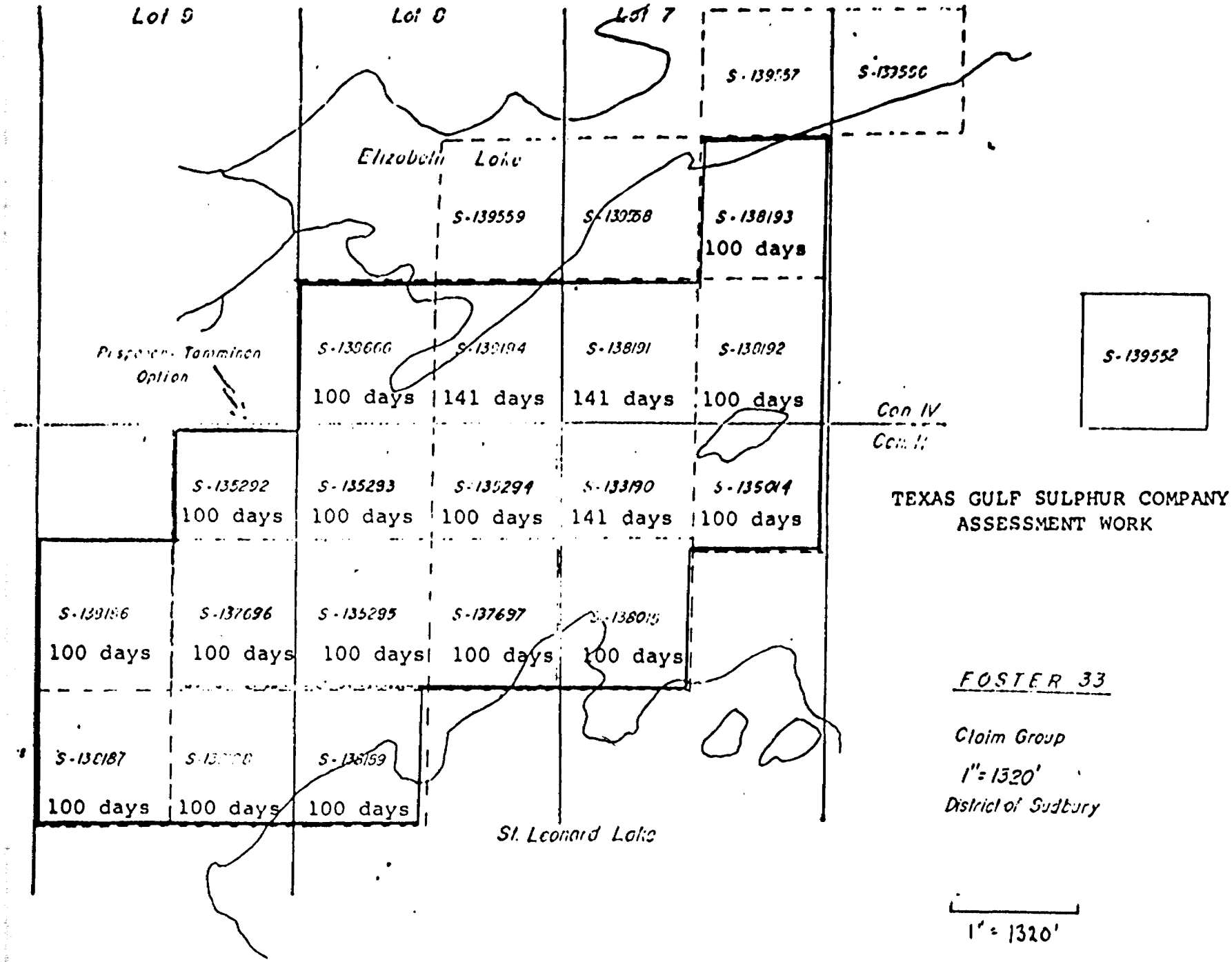
Loc. | Dip collar : | Bearing collar : | Length :
Collar el. :
Bottom el. :

Drilled by: | Core size: | Begun: | Ended: | Logged by:

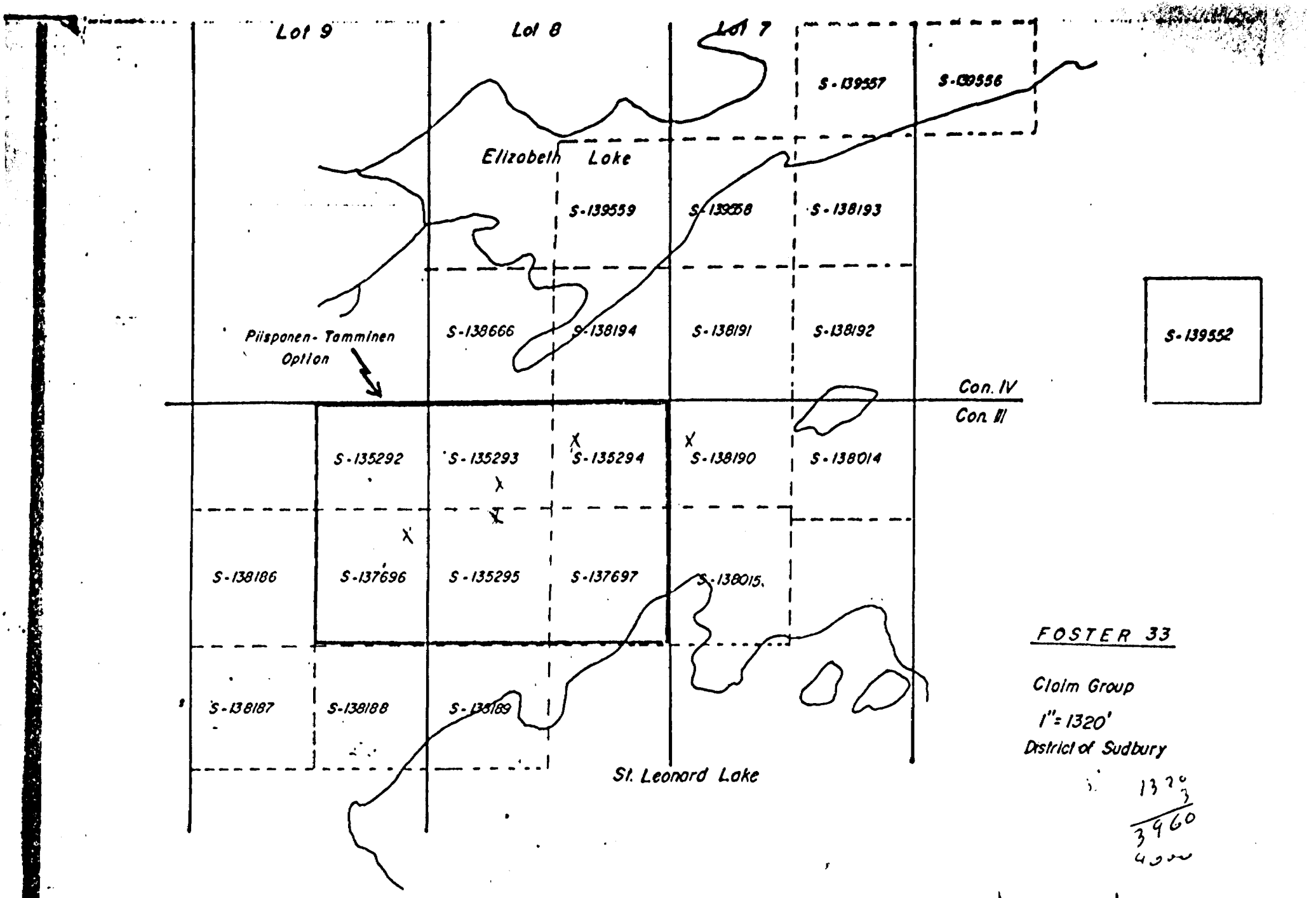
Samples	Footage drilled From	To	Len.	Geology
xxxx				525-526: very weak to weak dissem. scheelite in BSQ plus one 1/4" quartz vein carrying cpy, py and scheelite.
				532-533: weak to mod. dissem. scheelite in BSQ
				537-537.5: weak to mod. dissem. scheelite in BSQ
				541-542.5: weak to mod. dissem. scheelite in BSQ
				544-545: mod. dissem. scheelite in BSQ
				549.5-550: very weak dissem. scheelite in BSQ
				552: 4" mod. dissem. scheelite in BSQ
				561.5: 3" mod. dissem. scheelite in BSQ
	562.5	564	1.5	DIABASE/TRAP: Aphanitic to fine grained black dike with minor phenocrysts of light grey green feldspar.
	564	637	73	QUARTZITE: As 270-361.5'
				564: 3" mod. dissem. scheelite
				565.5-588.5: numerous 2'-3' sections of weak dissem. scheelite.
				588.5-637: numerous 0.5'-1' very weak to weak dissem. scheelite sections.
	637	686	49	DIABASE: Aphanitic to medium grained, black to dary grey-green, inequigranular with randomly distributed 1/4" to 1/2" euhedral to subhedral feldspar phenocrysts. Very minor carbonate veining. No scheelite.
	686			END OF HOLE

REGISTERED PROFESSIONAL ENGINEER
P. T. GEORGE
PROVINCE OF ONTARIO

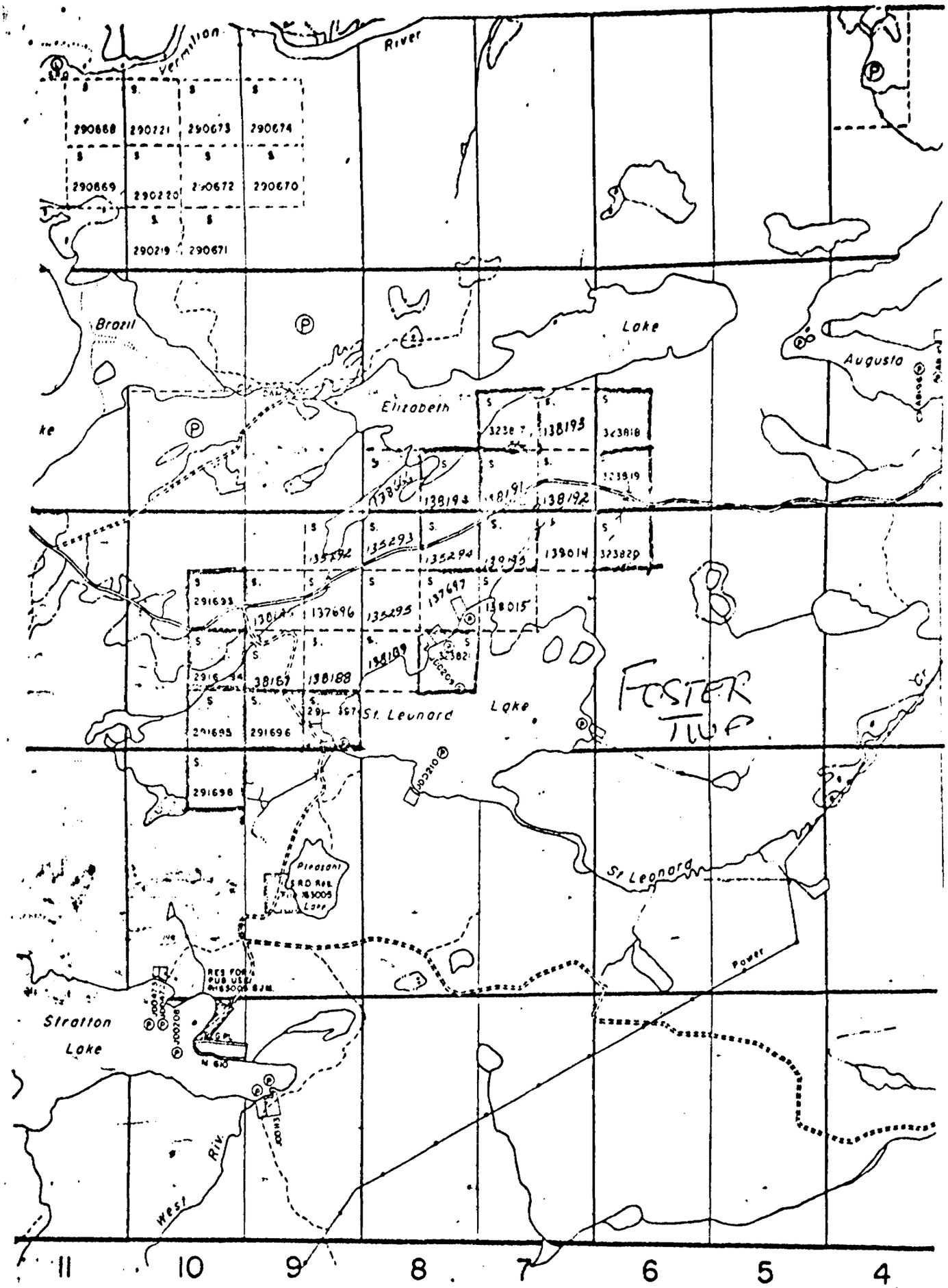
D. D. Hole No. F-33-13



900

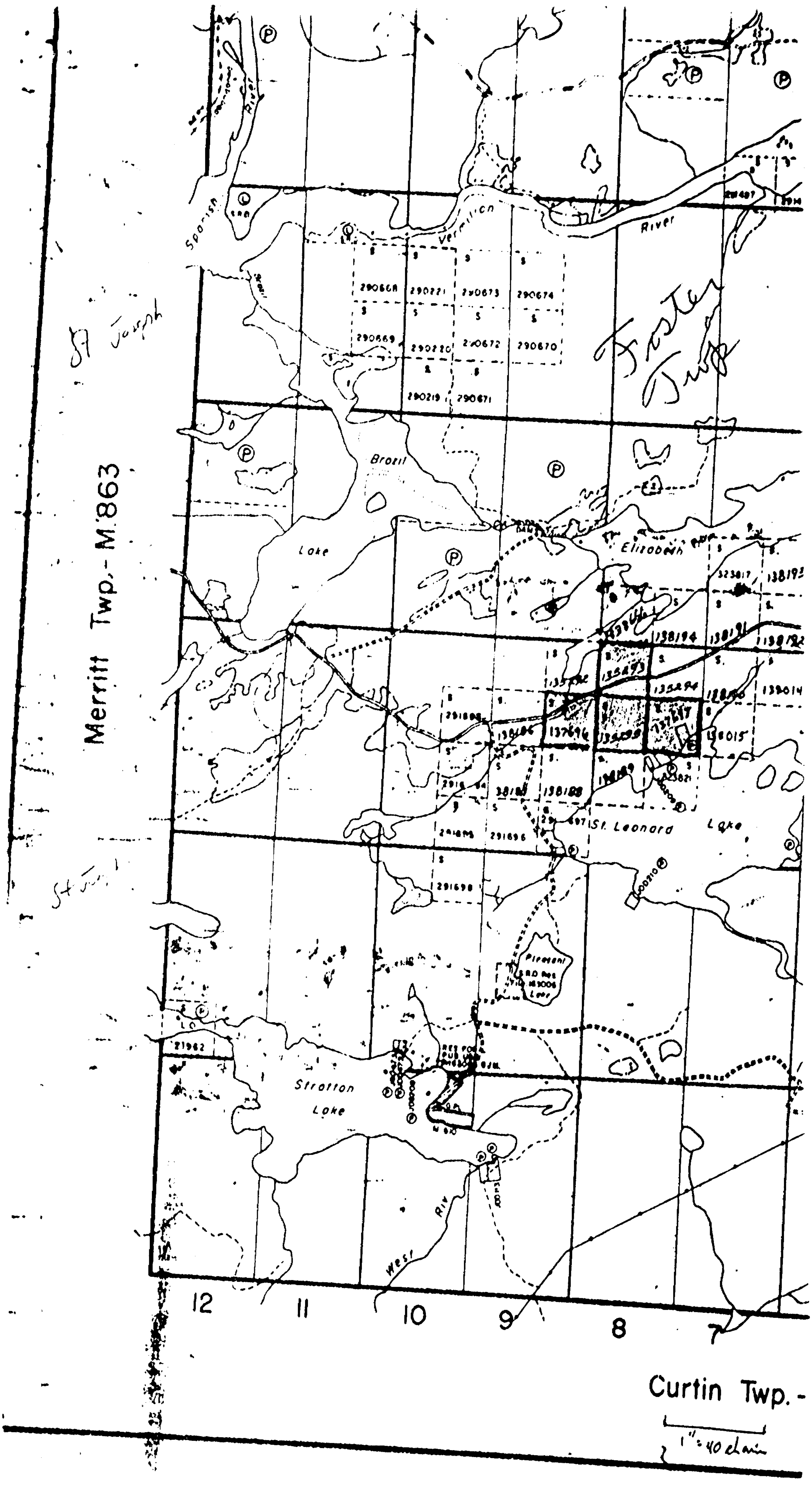

Lot 9
Lot 8
Lot 7
S-139557
S-139556
Elizabeth Lake
S-139559
S-139558
S-138193
Pilsponen-Tamminen Option
S-138666
S-138194
S-138191
S-138192
S-139552
Con. IV
Con. III
S-135292
S-135293
S-135294
S-138190
S-138014
S-138186
S-137696
S-135295
S-137697
S-138015
S-138187
S-138188
S-138189
St. Leonard Lake
FOSTER 33
Claim Group
1"=1320'
District of Sudbury
1" : 1320'

Nairn Twp. - M.883



Curtin Twp. - M.745

1" = 40 chains



Spanish River
Vermilion
River
290668
290221
290673
290674
290669
290220
290672
290670
290219
290671
Foster Twp
St Joseph
Brazil
Lake
Elizabeth
Merritt Twp.- M.863
138194
138191
135493
135494
137696
291688
St. Leonard
Lake
Stratton
Lake
West
Riv
12
11
10
9
8
7
Curtin Twp.-
1" = 40 chains

VANGUF EXPLOR. Co.

Vang. Gf Explor... Co

Nairn Twp. - M.883

Dec 23/91 THE TO

FOS

-ER

DISTRI

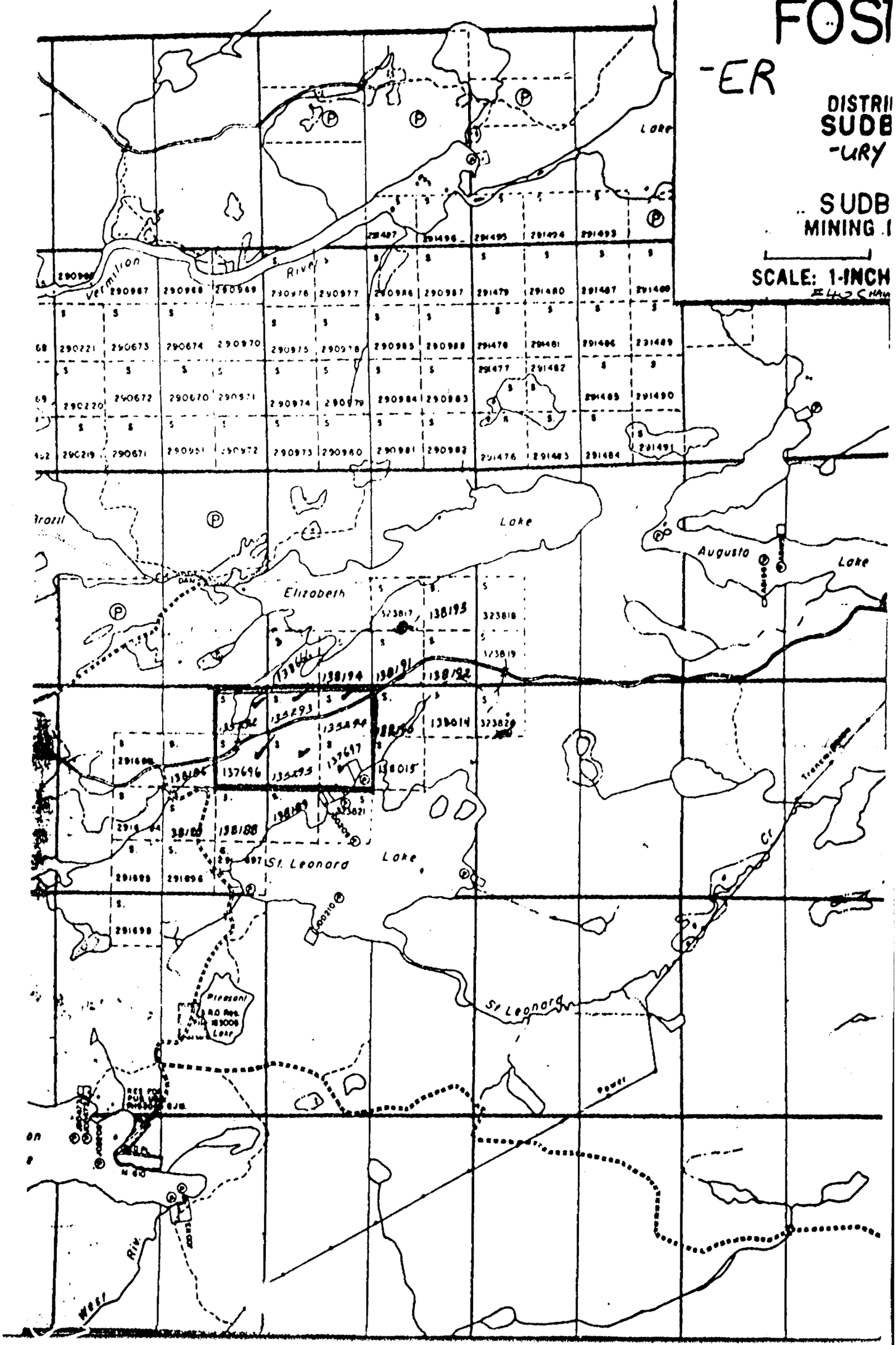
SUDB

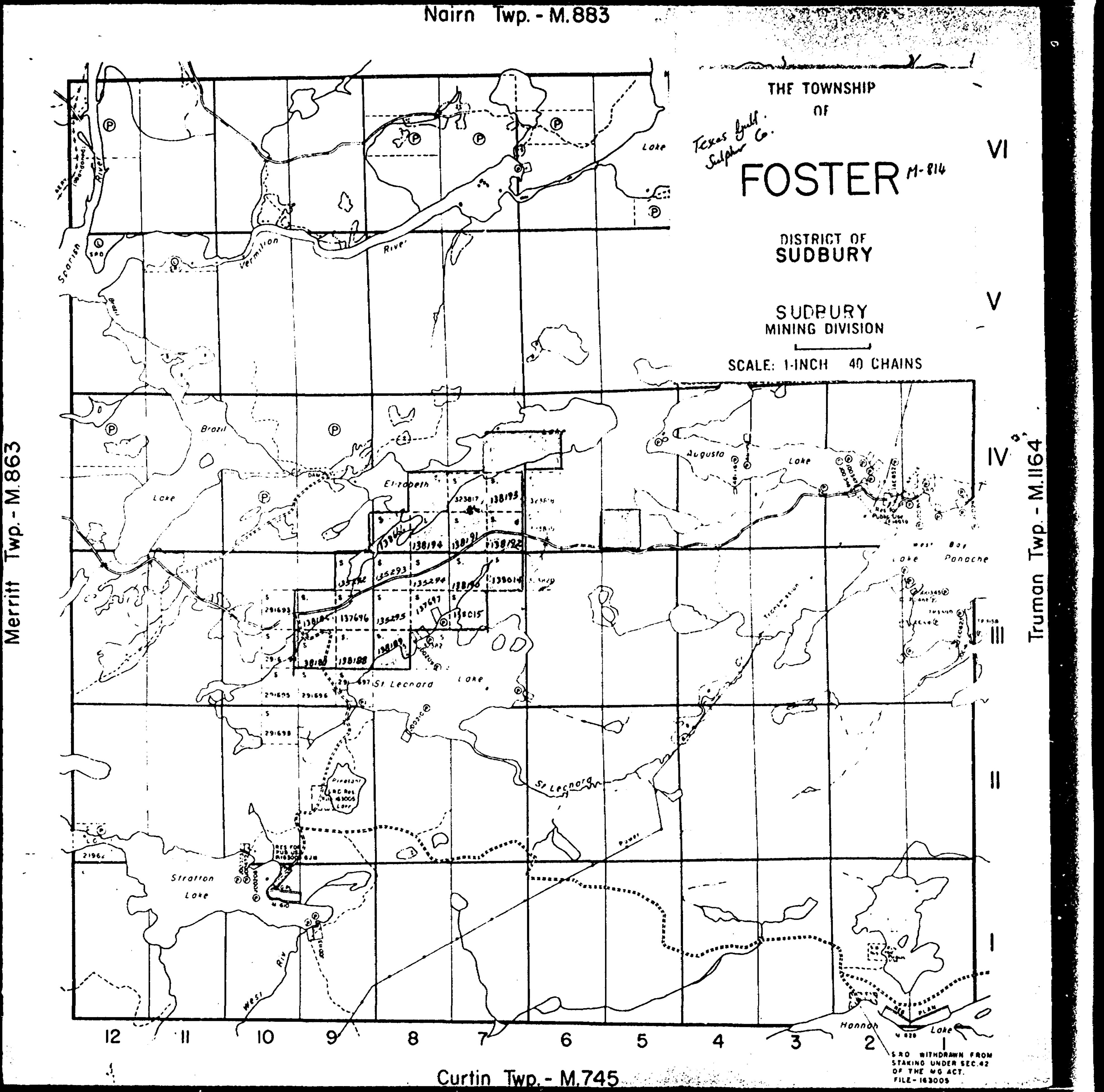
-URY

SUDB

MINING

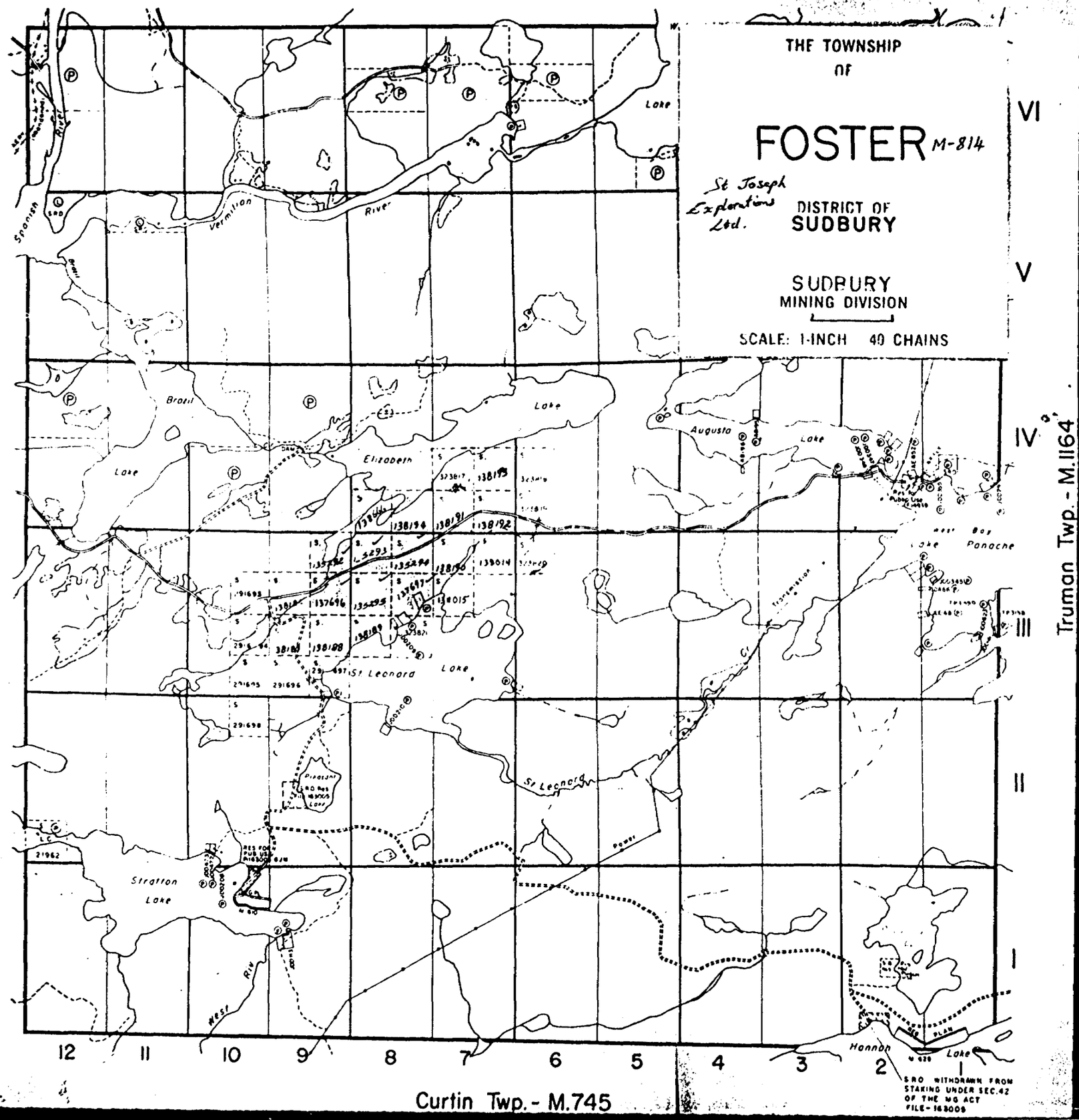
SCALE: 1-INCH





Nairn Twp. - M.883
THE TOWNSHIP
OF
FOSTER M-814
Texas Gulf Sulphur Co.
DISTRICT OF
SUDBURY
SUDBURY
MINING DIVISION
SCALE: 1-INCH 40 CHAINS
VI
V
IV
III
II
I
Merritt Twp. - M.863
Truman Twp. - M.1164
Curtin Twp. - M.745
12
11
10
9
8
7
6
5
4
3
2
1
Spanish River
Vermilion River
Lake
Brazil Lake
Elizabeth
Augusta Lake
West Bay
Lake Panache
St Leonard Lake
St Leonard
Stratton Lake
West Riv
Hannah Lake
Power
138193
138194
138191
138192
135292
135293
135294
138190
138016
137696
135295
137697
138015
138189
138188
291693
291695
291696
291698
323817
S.R.O. WITHDRAWN FROM STAKING UNDER SEC.42 OF THE M.G. ACT. FILE-163005

Nairn Twp. - M.883



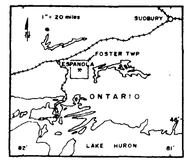
Merritt Twp. - M.863

Truman Twp. - M.1164

Curtin Twp. - M.745


KEY
LEGEND
ROAD
PICKET LINES
CLAIM POST
S135292 RECORDED CLAIM NUMBER
TOWNSHIP SURVEY POINT
DRILL HOLE
STRIKE & DIP OF BEDDING
STRIKE & DIP & DIRECTION OF TOP OF BEDDING (DETERMINED BY CROSS-BEDDING)
GEOLOGIC CONTACT
FAULT
SHEAR
7 947 KEWEENAWAN DIABASE
5 902 NIPISSING DIABASE
3a 920 SERPENT FORMATION
41 956 (SKARN) ESPANOLA FORMATION
4 932 (LIMESTONE)
2 918 BRUCE FORMATION
3 915 MISSISSAUGI FORMATION
BRECCIA
Elizabeth Lake
St. Leonard Lake
ST. LEONARD ANTICLINE
THRUST FAULT
BASELINE FAULT
BASE LINE
N53°E
ST. JOSEPH EXPLORATIONS LIMITED
TORONTO CANADA
FOSTER 33 PROPERTY
GENERAL GEOLOGY
SCALE 1"=400'
APPROX LAT & LONG OF LOWER RT COR OF DWG
46° 13' 45" LATITUDE
81° 38' 40" LONGITUDE
PROJECT NO 135
REPORT NO
Report #11-73
Foster Twp
Sudbury
FOSTER 0012, #1
200

KEY



LEGEND

- ROAD
- PICKET LINES
- CLAIM POST
- S135292 RECORDED CLAIM NUMBER
- TOWNSHIP SURVEY POINT
- DRILL HOLE

Report #154

VANGULF EXPLORATION COMPANY
TORONTO, CANADA

FOSTER 33 PROPERTY
LOCATION PLAN

NTS 41 I/4 — SCALE 1" = 400'

APPROX. LAT. & LONG. OF LOWER RT. COR. OF DWG.	ORIG. DWG. REL. DATE DEC 16, 1971	SHEET NO. ___ OF ___
46 13 45 LATITUDE	PROJ. NO. 1135	REVISION
81 28 50 LONGITUDE	DWG. NO.	

FOSTER-0012,#2