

DIAMOND DRILLING



41104NE0016 0013 FOSTER

010

TOWNSHIP: FOSTER

REPORT No.: 14

WORK PERFORMED BY: ST. JOSEPH EXPLORATIONS LTD.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
S 398146	3115-1	250.0	June/80	(1)
	3115-2	355.0	June/80	(1)
	3115-3	485.0	June/80	(1)
S 398139	3115-9	672.0	Aug/80	(1)
S 471438	<u>3115-10</u>	<u>236.0</u>	Sept/80	(1)
<i>TOTAL: 5 DH</i>		<i>1998. FT</i>		

NOTES:

(L) #32 - 81

ST JOSEPH EXPLORATIONS LIMITED

DRILL LOG

HOLE NO 3115

SHEET 2 OF 5

PROPERTY Fostung	TP OR AREA Foster	AZIMUTH 142° (declination)	DATE STARTED 6/6/80	CORRECTED DIP TESTS Collar 50°		TROPARI TEST				
PROJECT 3115	LOT & CONC. 7 IV	DIP -50° 7.5W)	DATE COMPLETED 9/6/80	200'	49°	Depth	Mag.	Azm	CorrAz	Dip
CLAIM NO. S 398146	CO-ORDINATES. E 20,041.05; 29,988.13	LENGTH 270'	DRILLED BY Baron Drilling			250'	154.5	147°		-52°?
GRID NO.	Picket Line O+40N; 20'W of L75E	COLLAR ELEV. 4995.05 (ground)	LOGGED BY A.W. Beecham							

FT. VALUES SECTION		DESCRIPTION	SAMPLE NO.			ASSAYS				
FROM	TO		NO.	FROM	TO	LENGTH	Down Hole	Co-ord		
							Depth	x(140°)	y(ver)	z(230°)
		OBJECTIVES:- To test Harrison showing under best mineralization.					Collar	0	0	0
0	26	CASING					100	64.2	76.6	+2.2
13	56	LT. GREEN CALC-SILICATE Minor Dk Green Calc. Silicate and Weak Grossular Skarn Pale grey - grey m. grained hard fine mottling + porphyroblastic (?) - spotted.					225	145.9	170.9	+10.1
		Structure: Fine bx sections with white 0.5 - 2 cm. clasts in med. grey-green matrix. Mod. well banded at 50°.					270	173.4	206.4	+13.5
		Mineralization: tr - 1% Py in most skarned zones. tr Sph in skarns, Po 2% over 1' at 38'.					N.A.A.	DCP	DCP	DCP/A
		Fluorescence: 19.5 - 29 - weak - mod. discount.	6340	19.5	24.5	5.0	0.079	<.001	.0031	0/0.0
		36 - 38 mod. - strong. Est. 0.5% WO <sub>3</sub>	AVG	19.5	30.0	10.5	0.078	.001	.0011	0/.01
		52 - 55 weak, not noticeably skarned	6342	36	38	2.0	0.214	.001	.010	1.0/.0
		AVG	19.5	38	18.5	0.068	.001	.002		
		Remarks: Weak pale red grossular skarns affecting 15% of rock as layers, blebs 19.5 - 29'. Mod. skarn 36 - 38'. Elsewhere minor skarn. 1" - 10" remnants, section dk green calc-silicate constitute 10% of unit from 33 - 56'.	6354	51.5	56	4.5	0.011	.002	.003	0.5/.0
		META DIABASE ? DYKE								
56	59.3	Dk. grey Med. grained upper Ct. & gradually finer to lower Ct. Slightly bleached, altered. Back Cts sharp at about 50' tr Py in thin felsic veins.								

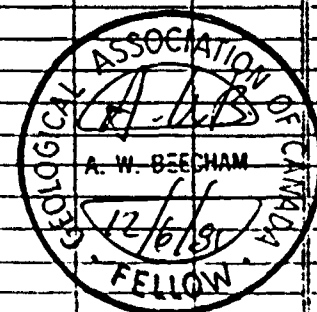
NAA - Neutron Activation  
XRF - X-Ray Refraction  
DCP - D.C. Plasma  
FA - Fire Assay

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
FROM	TC							%	%	%	g/tonne
59.3	70.5		LT. GREEN, Minor Dk Green Calc - Silicate As above.					WO <sub>3</sub> (N.A.A.)	MoS <sub>2</sub>	Cu	Ag / Au
			Structure: at 68' well bedded at 45°								
			Fluorescence: Weak to med. fluor. in weak minor skarn layers at 63 & 66 - 67.								
			Mineralization: tr Sph in weak skarn at 66.5.								
			Remarks: Similar to "marker" at 243 in 3115#2??								
70.5	74		GROSSULAR SKARN Massive pale red c. to v.c.g. About 60% with interstitial green calc. - silicates (diopside?) minor quartz.								
			Fluorescence: Mod. except strong in bottom 6" Est grade 0.3 % WO <sub>3</sub>	6343	70.5	74	3.5	0.253	.002	.010	1.5/.047
			Mineralization: 1 - 3% fract fillings diss'n Po with lesser amt Py tr Sph at 74'.								
74	93		LT. GREEN, WITH DK. GREEN CALC-SILICATE, & MINOR GROSSULAR SKARNS As above.								
			Structure: Mod. fracturing & a little broken core here & there.								
			Fluorescence: 74 - 76 weak fluor. here & there	6344	74	76.5	2.5	0.062	<.001	.004	1.0/.004
			80.5 - 81.8 strong fluor Est 1% WO <sub>3</sub>	6345	80	89	9.0	0.328	.003	.014	1.0/.007
			87.5 - 88.5 Strong to very strong Est 1% WO <sub>3</sub>	Note samples 80 - 82 & 87 - 89 accidentally combined.							
			Remarks: Minor, 1/2 - 1" pale red skarn layers & streaks here & there.								
			81 - 81.7 Dull red grey skarn with small black chl. spots pseudomorphing an acicular mineral. & 2 - 3 % Py Po	6347	89	93	4.0	0.093	<.001	0.170	5.0/.016
			87.5 - 88.5 2 - 3 % Py Po	AVG	80	93	13.0	0.26	.002	0.06	
			90.5 - 3" pale greenskarn 10% Po - Py		74	93	19.6	0.18	.001	.04	



METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	N.A.A. XRF ASSAYS				g/t	
FROM	TO							%	%	%	%	ppb	ppm
								WO <sub>3</sub>	WO <sub>3</sub>	MoS <sub>2</sub>	Cu	Au	Ag
			135 - 137, 141 - 143. Lt. green phase penetrates dk green along fractures & obvious lt green is an alteration product of dk green.										
143.5	146.5		<b>GROSSULAR SKARN</b> Dull red, medium grained anhedral garnets.										
			Fluorescence: Moderate - weak thru out. Schmelite is med. to f.g. EST 0.1 WO <sub>3</sub>	6350	143.5	146.5	3.0	.160	.16	.002	.010	1.5	.01
			Mineralization: 2 - 3% diss'd & streaks Po & Py.										
146.5	180		<b>LT. GREEN, Minor Dk Green CALC-SILICATE</b> As above.										
			Structure: Massive to well bedded. Mostly at 65° - 45° Small fold at 164 where beddings goes from 50° - 0° to 160° (in opposite direction). Minor broken core 150, 159, 175'.										
			Alteration: As above - Some remnants & short sections dk green phase. Silicic alt'n with some incipient bx'n. Some siliceous streaks along bedding.										
180	190.5		<b>GROSSULAR SKARN &amp; LT. GREEN CALC-SILICATE (Harrison Zone?)</b> 180 - 181 Pale red c.g. blotchy, 60% garnets, 1 - 2% Py, 1% sph, tr Cpl flecked with chl. 186.4 - 186.6: Intense m.g. orange red skarn 189.2 - 190.6 Pink garnet skarn, qtz segregations v.c.g. euhedral garnets. 3% diss'd Po, Py Chl. flecks. Remainder unit is lt. green calc-silicate with minor skarn, but with pale red streaks & mottling due to feldspathization (?) or fine garnets?										
			Fluorescence: 180 - 181 - strong est 1% WO <sub>3</sub> over 1' & 0.3% over 3'	6351	180	183	3.0	0.177	<.001	.007		1.0	.042
			186.4 - 186.6 very strong fine grained, Est 0.1 over 5'.	52	183	188	5.0	0.028	.005	.002		1.0	.008
			189 - 190.5 mod. - strong Est 0.2 over 2.8'	53	188	190.8	2.8	0.124	.001	.006		1.5	.012
190.5	198		<b>LT. GREEN CALC-SILICATE</b> As above.	Avg	180	190.5	10.5	0.014	.002	.004			

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	% ASSAYS			
FROM	TO							% WO <sub>3</sub>	% MOS	% Cu	g/t Ag / Au
								NAA	DCP	DCP	DCP / NAA
			Structure: Somewhat fractured & with minor calcite veinlets.	AVG	180	190.8	10.8	0.094	.002	.004	--
198	203.5		DK GREEN & LT GREEN CALC-SILICATE As above. Med. grey green.								
			Structure: Mod. fractured, some weak shearing.								
			Alteration: Calcite alteration both as small veinlets & pervasive, increases downward & becomes intense at Lower Ct.								
203.5	204		FAULT ZONE (Base Line Fault) 2 - 3" indurated gouge, bx, 2, 1/2" soft gouge slips. Intense calcite & calcite veins. Gouge at about 55.								
204	240		FRACTURED GREY QUARTZITE 'Soft' med. grey (with slight greenish hue) fine grained. Individual sand-size grains obvious.								
			Structure: Mostly massive, well bedded in places at 45 - 50'. Broken core sections thru out. With a little gouge here & there on fractures.								
			Alteration: Minor calcite veinlets. Minor brownish colouration here & there.								
			Mineralization: tr diss'd Py.								
			FLUORESCENCE: Weak fluor over 6" in section of lt. green calc-silicate at 205.5. EST 0.1 - 0.2 WO <sub>3</sub> over 0.5 ft.								
240	270		GREY QUARTZITE As above.								
			Mineralization: tr - 1/2% Py up to 2% Py over 1' at 268. Py mostly as small cubes.								
			Fluorescence: Minor weak - fluor at 253 & 254.5 - 255.5.								
			END OF HOLE 270'.								



ST JOSEPH EXPLORATIONS LIMITED

DRILL LOG

HOLE NO. 3115-2

SHEET 2 of 4

PROPERTY FOSTUNG	TP OR AREA FOSTER TWP.	AZIMUTH 141°	DATE STARTED 10/6/80	CORRECTED DIP TESTS			XXXXXXXXXXXXXXXXXXXXX				
PROJECT 3115	LOT & CONC. 7 ; IV	DIP -50°	DATE COMPLETED 12/6/80	Collar	-50°		TROPARI TEST				
CLAIM NO. 398146	CO-ORDINATES. E 19,875.30; 29,625.69	LENGTH 431'	DRILLED BY Barron Drilling	200	-50°	(+1°)	Depth	Mag	Azm	Tr. Az	Dip
GRID NO.	Picket line L71E 1+50N	COLLAR ELEV. 5011.31 (ground)	LOGGED BY A.W. Beecham	400'	-49°	(+2°)	355'	153	145.5	48°	

FEET FROM TO	SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS		
			FROM	TO	LENGTH			
		OBJECTIVES:- Test West projection of Harrison Zone.						
0	5	CASING						
5	9	GROSSULAR SKARN Pale red med. - coarse grained.						
		Mineralization: tr Py.						
9	30	LIGHT GREEN WITH MINOR DARK GREEN CALC-SILICATE Pale green hard, fine - med. fine grained. Looks like impure fine quartzite. Short sections actinolite - bearing dk green calc-silicates at top. Light green veins & embays dk phase & apparent lt. green is altered dark green type. Local skarn development.						
		Structure: Streaky banding avg. 60°. Small wispy frag(?) at 28'. Minor broken core sections.						
		Mineralization: tr Sph, Py in skarn at 24'.						
30	54	GROSSULAR SKARN WITH LIGHT GREEN CALC-SILICATE Pale red & pale grey-green, coarse skarn to f.g. calc-silicate. Garnet crystals to 3mm. Mod - strong devel. of skarn.						
		Structure: Compositional layering 45 - 50°.						
		Mineralization: Well mineralized with diss'n & streaks Sph here & there throughout. Est. 0.1 to 0.3 % Zn. Isolated flecks MoS <sub>2</sub> , 55', 34.47'.						

NAA - Neutron Activation  
DCP - DC Plasma  
FA - Fire Assay  
XRF - X-Ray Fluorescence  
by X-Ray Labs. Toronto  
Molybdenum analyses by D.C.P. are total Mo as Mo S<sub>2</sub>.







FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	N.A.A.	DEP	DEP	DEP/N.A.A.
FROM	TO							WO <sub>3</sub> %	MoS <sub>2</sub> %	cu ASSAYS	Ag / Au G/T
			Fluorescence: Discontinuous, mod. - weak thru-out. EST grade 0.1 - 0.2 WO <sub>3</sub>	6310	82	87	5	.015	.002	.002	1.0/.008
				11	87	90	3	.030	.002	<.001	1.0/.003
89	97		LT. GREEN CALC-SILICATE, Minor Dk Green Calc-Sil. As above. Minor skarn sections.								
			Structure: Wavy banding at 45 - 50°								
			Fluorescence: Minor fluor. at 90'.								
			Remarks: A few small remnants of dk green calc-sil. & 1' sect. at 93'. Abundant calcite in some mottled sections. Minor Py in dk calc-sil.								
97	102.5		GROSSULAR SKARN, Minor Lt. Green Calc-Silicate As above - Pale red & green. Up to 10% calcite - Mod. to well developed skarn.								
			Structure: Mostly massive.								
			Mineralization: tr - 1/2 % Sph. tr Py.								
			Fluorescence: Mod. to weak. Est grade 0.1% WO <sub>3</sub>	6312	97	102.5	5.5	.050	.002	.001	4.0/.002
102.5	119		LT. GREEN CALC-SILICATE, With Skarn As above, minor calcite 5%.								
			Structure: Poorly - mod. - well banded at 60°								
			Mineralization: tr Sph & Py.								
			Fluorescence: Isolated weak - mod. 114 - 118'.	6313	114	119	5	.026	.001	.006	1.5/.008
119	132		GROSSULAR SKARN With Lt. Green Calc-Silicate Upper part well deve'd skarn - Lower part 1/2 to 1/3 is skarn - skarn blotches in lt. green calc- sil. Mottled. Med - coarse grained. A few % calcite.								
			Mineralization: Diss'n Sph & tr Py up to 1% Sph over 1' at top <1/2% thru out.	6314	119	124	5	.028	<.001	<.001	1.0/.004
				15	124	129	5	.042	<.001	.001	1.0/.006
				16	129	132.5	3.5	.055	<.001	.003	1.5/.002





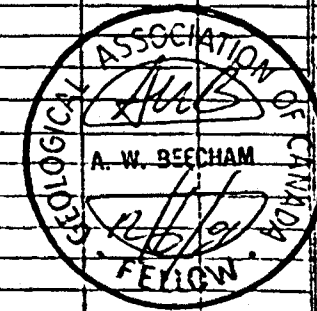
FEET		SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH	% WO <sub>3</sub>	% ASSAYS			g/t Ag / Au
FROM	TO								WO <sub>3</sub>	MoS <sub>2</sub>	Cu	
			Fluorescence: Mod. thru out.	6328	237.5	241.5	4.0	.083	.020	.007	1.0/.014	
241.5	245.5		LT. GREEN With Minor Dk Green Calc-Silicate Very lt. green - lt grey with 1/2 to 1" band. dk. green calc-sil every 4 - 6".									
			Structure: Well banded - bedded at 75°. Some white 'beading' along bedding.									
			Remarks: A distinctive unit - may be useful marker? Similar to unit at 565 in 3115 # 3.									
245.5	252		LT. GREEN CALC - SILICATE As above.									
			Fluorescence: Isolated fluor. around 248'.									
252	262		LT. GREEN, Minor Dk. Green CALC-SILICATE With Skarn As above. Skarn zones are med. to dark red.									
			Alteration: Lt. green obviously an alteration phase of dk. green material. - Numerous embayed remnants of dk. green, calc-silicate. A little reddish feldspathification. Small veins dk. green amph b le at 259'.									
			Mineralization: Skarns contain 2 - 3% diss & streaks of Py ± Po.									
			Remarks: Skarns 1' at 252'; 255 - 256.5.	6329	255	257	2.0	.102	<.001	.009	<.5/.010	
			Fluorescence: Weak - med. 255 - 257.5.	6330	257	261	4.0	.002	<.001	.003	0.5/<.002	
262	267.5		GROSSULAR SKARNS With Lt & Dk Green Calc-Silicates As above. - Skarns med. - dk. red - flecked with dk. green chlorite.									
			Mineralization: Skarns contain 2 - 3% Py	6331	261	265	4.0	.126	<.001	.010	0.5/.003	
			Fluorescence: 262 - 263 weak; 263.5 - 264 very strong 264 - 267.5 mod. - weak intermittant. Zone 261 - 268 est. at 0.25% WO <sub>3</sub> .	6332	265	268	3.0	.071	<.001	.015	1.0/.010	







FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
			Mineralization: A little Po with scheelite at bottom.										
			Fluorescence: Isolated weak fluor. at bottom.										
369	380		DK GREEN CALC-SILICATE As above.										
			Remarks: Top 2 ft. has felsapar (white & pink) porphyro- blasts up to 1cm. - This could be "diabase dyke" mapped on south side scarp in trench on L75E.										
380	384.5		INTER-CALATED LT. GREEN & DK GREEN CALC-SILICATE As above.										
			Fluorescence: Weak fluor. 384 - 385.										
384.5	388		DK. GREEN CALC-SILICATE As above.										
388	394		LT. GREEN CALC-SILICATE As above.										
			Alteration: Strong calcite along fractures (adjacent to fault) in bottom 2 ft.										
394	394.5		FAULT Dark grey, strongly carbonatized. Only a few strong fractures up to 1/4" gouge on ore. Shearing over 0.5 ft. at 50°. Some calcite veinlets.										
394.5	426		MASSIVE GREY QUARTZITE Med. 'soft' grey fine grained, very hard, locally blue grey.										
			Structure: only weak banding in a few places. Core broken & shattered throughout.										
			Mineralization: tr - 1/2% diss Py & as scattered cubes. Local conc'n to 2 - 3% over 2 or 3 inches.										
			END OF HOLE 426 FT.										



*A.W. Beecham*





FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	(N.A.A.)	DCP	DCP	DCP/NAA
FROM	TO							%	% ASSAYS	%	g/t
							WO <sub>3</sub>	MoS <sub>2</sub>	Cu	Ag/Au	
			Structure: Massive to thinly bedded at 50°. Primary bedding well preserved in some places. Minor fault at 55' marked by 1/2" gouge at 45'.								
			Alteration: Lt. green phase an alteration of dk green. Dk. green remains as sutured remnants & weakly altered sections up to 2'.								
			Fluorescence: Weak at 56'. Weak at 66 - 68'. Weak at 73 & 74'. Intermittent weak 81 - 84'.	6356	59.5	62.5	3.0	.003	.002	.090	7.0/.008
			Remarks: Incipient - weak pale red grossular skarns - some as wisps or affecting only certain beds, with minor Po, Py. 60 - 61.5 66 - 68 4" at 73. 3" at 74 77 - 78. 3" at 79'. Wisps of skarn 81 - 83'. Dk green Calc-Silicate as follows. 1' at 55'; 74 - 76; 86.5 - 90'.								
			Mineralization: see 'remarks' - also 3 - 4% Cp/ 2" with Po at 60'.								
90	93		GROSSULAR SKARN & LT. GREEN CALC-SILICATES As above. - moderate to strong skarn development.								
			Fluorescence: Weak fluor. thru out. Est 0.05% WO <sub>3</sub>	6358	90	93.5		.030	.001	.008	0.5/.004
			Mineralization; 1 - 2% Sph - minor Py - Po.								
93	109.2		DK GREEN CALC-SILICATE, Minor Lt. Green Calc-Silicate & Minor Skarn As above.								
			Structure: Well bedded in places at 50°.								

FEET		SECTION	DESCRIPTION				(N.A.A.)				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	% WO <sub>3</sub>	% MO <sub>2</sub>	% ASSAYS Cu	g/t Ag / Au
			Fluorescence: 96.5 - 99.5 weak	6359	93.5	99.5	6'	.037	.015	.016	1.0/.01
			Remarks: Pale red skarns as follows. 98.3 - 98.9; 2" at 102'; wisps 103 - 105; 1" at 108'.								
			Veins: Minor fluorite in thin felsic vein at 106'.								
109.2	122		GROSSULAR SKARNS With Dk Green & Lt Green Calc-Silicates As above. Skarns pale red, poorly developed & make up 1/2 of unit. Same as previous except higher proportion skarns. Inter-calated.								
			Structure: Some bedding preserved in calc-silicates.								
			Fluorescence: 109 - 119 weak isolated 121 - 122 weak.								
			Mineralization: Minor Py, Sph, Po in skarns.								
			Remarks: blebs fluorite at 119'.								
122	139.5		LT. GREEN Minor Dk Green CALC-SILICATE As above.								
			Structure: bedding about 60°.								
			Fluorescence: Weak 126 - 129. & mod. 138 - 139. (not with skarn)								
139.5	141.5		GROSSULAR SKARN As above. Pale red. tr Sph.								
			Fluorescence: Weak, discont.	6360	138	143	5'	.072	.002	.001	2.0/.03
141.5	173.5		LT. GREEN Minor Dk Green CALC-SILICATE, Minor Skarns As above. Dk green- 5 - 10% forms partings to section 2 - 10" long.								
			Structure: Well bedded at 60°.								
			Fluorescence: Weak fluor 155- 156; & 169.5 - 170.5	6361	169	173	4'	.037	.002	.002	<.5/.011









FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	N.A.A	X.R.F.	% ASSAYS		g/t
FROM	TO							% WO <sub>3</sub>	% MoS <sub>2</sub>	Cu	Ag/Au	
			Skarns: Pale red, wisps & partings 6" at 456'; 6" at 467.5' with tr Sph.									
			Fluorescence: Isolated at 446'; 450' & 467.5'.									
			Remarks: Bands dk. green calc-silicate up to 1 ft.									
472	486		GROSSULAR SKARN With Lt. Green Calc-Silicate As above. m. - c.g. med. red, somewhat darker than above.									
			Mineralization: tr Py & Sph.									
			Fluorescence: 472 - 475 Mod. - weak	6374	472	477	5	.150	.15	.002	.006	14.0/.072
			477.5 - 479 weak.	75	477	482	5					Sampling error - Not sampled but tag used
			479.5 - 480.5 strong.									
			484 - 484.5 weak	76	482	484.5	2.5	.005	.000	.001	0.5/.007	
			AVG 472 - 477 (two samples)					.208	.002	.005	19.5/.15	
			Remarks: 472 - 476 skarn.									
			476 - 479.5 calc-silicate	6697	472	477*	5'	.265	.002	.004	25.0/.23	
			479.5 - 486 Skarn.	6698	477	482	5'	.096	.001	.006	8.5/.072	
				6699	482	484.5*		.015	.001	<.001	1.0/.002	
				AVG	472	482	10	.152	.002	.006	14.0/.11	
486	505.5		LT. GREEN, Minor Dk Green CALC-SILICATES Minor Skarns As above.									
			Structure: Well bedded at about 50°.									
			Alteration: Dk green remnants show suturing and reaction veins.									
			Remarks: Weak, pale red skarn 497 - 498.									
			Fluorescence: Weak - mos. 497 - 498	6377	497	498	1.0	.097	.001	.002	1.5/.022	
505.5	506.2		GROSSULAR SKARN Vermillion red m.g. skarn, minor diss'd Po.									
			Fluorescence: f.g. very strong fluox. est 2 - 3% WO <sub>3</sub> over 0.9 ft.	6378	505	507	2.0	.403	.37	.002	.004	5.5/.022





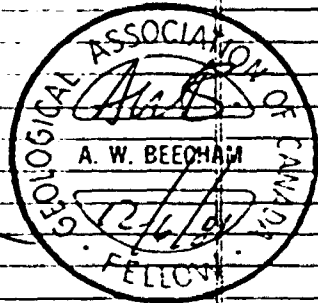


FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO												
			Fluorescence: Weak over 8" at 637'.										
			Remarks: 637 - 642 dk grey quartzite.										
651	652.4		<u>CHLORITIC SHEAR ZONE (BASE LINE FAULT?)</u> Soft dk green highly carb'd. Strong shearing at 45°. Abrupt rock type change & accompanying dyke suggests it is a significant fault despite small expression in core.										
652.4	655.5		<u>PORPHYRITIC DIABASE DYKE</u> Black, diabasic texture. Sparse, scattered euhedral phenocrysts 2 - 8 mm. Upper Ct sheared i.e. post dyke movement on fault. Lower Ct. core broken but appears chilled at 35°. Dyke weakly magnetic.										
655.5	675		<u>GREY QUARTZITE</u> F.g. very hard, soft med. grey.  Structure: Massive, uniform. A little broken core especially from 673 - 675'.  Mineralization: tr to 1/2% diss'd Py. Minor Cp at 660.5  END OF HOLE 675'.										

27/6/80

A. W. Beecham

*A. W. Beecham*







FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
FROM	TO							%	%	g/t	
			<u>Structure:</u> Well bedded by very little colour contrast. 45 - 50°.					WO <sub>3</sub>	MoS <sub>2</sub>	Au	Ag
			<u>Mineralization:</u> trace Py.								
143	158		<u>CALCAREOUS, THIN-BEDDED SILTSTONE With Grey Calcareous Quartzite</u> Fine grained, moderate hard. Thinnly bedded 1 - 3 mm. (Laminated) with light grey felsic calcareous beds and dark grey green non-calcareous beds.								
			<u>Structure:</u> Bedding 50° (45 - 60°). Top 5' crumpled with numerous calcite partings.								
			<u>Mineralization:</u> trace diss'd Py.								
			<u>Veins:</u> 157.5' - 1/8" qtz. vein at 55° with fine dusting Asp. in veins and up to 1/2" into wallrx.	6249	157.5	158.5	1.0	0.01		tr.	nil
			<u>Remarks:</u> 153 - 155 light grey calc-quartzite, 155 - 158 grades into dark grey quartzite.								
158	308		<u>LIGHT GREY FELDSPATHIC QUARTZITE</u> Medium grained, hard clean quartzite. Feldspar grains obvious when broken surface rotated in light. 10% feldspar.								
			<u>Structure:</u> Some sections as at 193 thinnly bedded at 45 - 50° upper part. Bottom well bedded at 45°. A little broken core 175 - 195' where core nearly parallels a fracture.								
			<u>Veins:</u> 1" qtz - Po - Py 30° at 284'. 1/4" qtz gash vein at 283' with tr arsenopyrite (Asp.) 1/8" qtz. minor calcite - Po at 306'. 1/2" qtz - chl(?) Py with bleached margins 70°.								
			<u>Mineralization:</u> trace Py diss'd and as films on fractures here and there. Sparse conc'n Po occurs as fine diss'n, and scattered small blebs and veinlets as follows: tr. at 172 and 177, 188'. Weak diss'n (<1% 199 - 200'). Weak diss'n of tr - 1/2% locally 1% over 1' from 215 - 253'; 256 - 270'; 286 - 301'.	6250	281.5	284	2.5	0.01		tr.	6.9

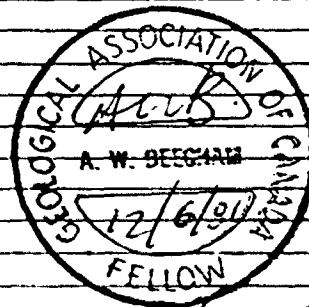








FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	% WO <sub>3</sub> XRF	ASSAYS g/t			
FROM	TO								MoS <sub>2</sub> XRF <sup>2</sup>	Au FA	Ag FA	
			534.5' - 1/8" qtz. at 50° tr. Asp.									
			548' - 9" qtz. stockwork.									
			567' banded 1/3" calc. Po., Py, alt'd wallrock.									
			576.5' - 2" banded qtz.									
			578.5' - 1/8" qtz. at 70° with 10% Asp.									
			594.5' - 1/8" - 1/4" qtz. 15% Asp. 50°	6261	594	595		0.02		0.34	nil	
			609.5' - 1/8" qtz. Po, tr. Asp. - 60°	62	609	610		nil		nil	nil	
			<p><u>Mineralization:</u> See 'veins'. Minor diss'n and scattered grains Po ± Py discontinuous tr - 1/2% except 1/2 - 1%, 500 - 508' and 528 - 533'; 589 - 599'; 602 - 608'.</p>									
			<p><u>Remarks:</u> Fine speckling especially pronounced in very light beds due partly to diss'd Po, Py and fine mafic minerals. Some observed in most of light grey quartzite higher up the hole. Dark grey quartzites: 576 - 579'; 586 - 589'; 601 - 609'; 633 - 635'; 642 - 646'; 658 - 661'.</p>									
			<p>END OF HOLE 678'</p>									
			<p><u>General Comments:</u> disseminated pyrrhotite in quartzites is likely cause of zero magnetic anomaly. Numerous arsenide veins and anomalous pyrrhotite may be indicative of mineralization and/or an intrusive at depth.</p>									



*A. W. Beggan*

ST JOSEPH EXPLORATIONS LIMITED

DRILL LOG

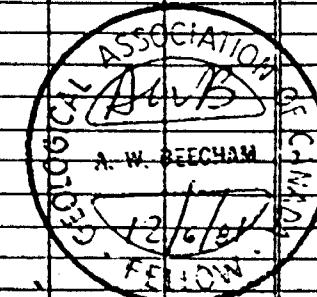
HOLE NO. 3115-10

PROPERTY Fostung	TP OR AREA Foster Twp.	AZIMUTH Declination 7.5° 320°	DATE STARTED 3 Sept. 1980	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 3115	LOT & CONC. 9 ; III	DIP -45°	DATE COMPLETED 9 Sept. 1980	Collar 200'	45°	5°	
CLAIM NO. 471438	CO-ORDINATES Not Surveyed.	LENGTH 236'	DRILLED BY Barron Drilling				
GRID NO.	L14E; 7+50N	COLLAR ELEV.	LOGGED BY K. Lai.				

SECTION		DESCRIPTION	SAMPLE NO.				ASSAYS			
FROM	TO		FROM	TO	LENGTH	g/t Au	g/t Ag	% WO <sub>3</sub>	% MoS <sub>2</sub>	
		Core Size: B0								
		OBJECTIVES:- to test H.L.E.M. Anomaly								
0	12	CASING								
12	83	"QUARTZ DIABASE (QTZ-GABBRO). L-t. Medium - fine grained, pale grey green with a very slight tinge of blue in color, very hard and massive Rx. Some sections are very leucocratic while mafic constituents make up only 40 - 45% of the Rx. Quartz content can amount to 7%; most of them give a mottling appearance and ophitic texture is quite evident.  Structure: Quite massive. Sulfide bands at 40 - 50'.  Veins: 13½', 2 thin quartz veins, contain 2%Py, as fissure veinlets and tr Po. 37 1/6', Tiny (1/2") chert bands, carbonitized. 56 1/6' (½) tiny q. veinlets. 1% Po, Cp (pinkish color, possible feldspathized). 67.5', milky quartz vein intercalated with mafic constituents, quite strongly carbonitized. Contain tr → 1% Po and Py 68.5', 2" quartz vein, 2% Po and trace Cp Cp co-exist with Po and some fine tremolite. 69.3' (1/8") q.v. possibly feldspathized to give a pinkish color in places. specks of Cp and Po are present. 76', (1/8") (60°) Po and Py veinlets. 78½', (1/8") Po, Py and Cp in veinlets.								
			6886	56	57	1	tr.	nil	0.01	
			6887	60	61	1	tr	tr	nil	
			6888	61	63	2	tr	tr	nil	
			6889	67	70	3	tr	tr	tr nil	
			6890	75.5	76.8	1.3	tr	tr	tr	
			6891	78	79	1	tr	nil	nil	
			6892	79	80	1	tr	nil	0.01	
			6893	80	83	3	tr	tr	tr	



FEET		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS					
FROM	TO							g/t Au	g/t Ag	% WO <sub>3</sub>	% MoS <sub>2</sub>		
			Remarks: at 115' diabase grain size starts to increase from fine grained to m.f. grained to medium grained. Mineralization become very sparse 1 - 2% diss. Po, Py except on fissure.										
136	236		MEDIUM GRAINED LEUCODIABASE										
			Alteration: Carbonate alteration quite pervasive.										
			Mineralization: Streaks of Cp and disseminated Po, Py. Overall 2 to 3% combined sulfide.	6896	146	148	2	tr	tr	0.01			
	(147)	148	1" pinkish Quartz Vein- partially feldspathized. - tr Cp and Po with many fatic streaks. - carbonate at fractures. - Pyrite filled fractured surface.										
	(151')		Remarks: at 151', thin vague chert band with little mineralization. Grain size continues to increase here generally. at 162' tiny Q. bands with Pyrite.										
			Structure: 166', minor fault with streaks of Py and Dia Po. sulfide min'n has generally decreased and this behaviour continues down hole.										
	(182)	183	1 1/6' of highly carbonitized unit 7% sulfide Po, Py.										
	(206)	207.5	at 206.25' 1 1/4' "Carbonate unit" = believe to be felsic phase within the diabase (rather than as a felsic intrusive unit). This occurs in various places in diabase. This unit is dark brownish grey in color with 10 - 15% sulfide with abundant Po, at 209'. Euhedral Pyrite cubes.	6897	206	208	2	tr	tr	0.01			
	(209)	223	Diabase becomes very lencocratic. Tr Asp? at 233.										
			END OF HOLE										



*Konpha* *A.W. Beecham*

FOSTER TWP.  
(M-814)



ONTARIO

THE MINING ACT REPORT OF WORK

#81-3-81-3  
FLW 5-398139  
S-398139

A separate form is required for each type of work to be recorded.

To the Recorder of.....SUDBURY.....Mining Division  
I, St. Joseph Explorations Ltd. (now Sulpetro Minerals Ltd.)  
name of Recorded Holder  
Suite 301, 2161 Yonge St. TORONTO or Box 350 Cobalt, Ontario.  
Post Office Address

do hereby report the performance of .....2284..... days of diamond drilling  
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
.....	.....	.....	.....	.....	.....
.....	See attached list.	.....	.....	.....	.....



41104NE0016 0013 FOSTER

900

SUDBURY RECEIVED  
July 13/81  
JUN 17 1981 - 1st Recd  
A.M. P.M.  
7:810111111213141516

All the work was performed on Mining Claim (s) .....S-398139, S-398146, S-398146, S-471438.....  
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

WORK ISSUED. S-398139 = 599, BAL. 3401 / S-398146 = 1292, BAL. 2645 / S-471438 = 155, BAL. 3836

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment  
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

See attached list.

RECEIVED  
Jul 13 1981

RESIDENT GEOLOGIST

Date .....13 June 1981.....

*A.W. Beecham*  
Signature of Recorded Holder or Agent  
A.W. Beecham

The Mining Act  
Certificate Verifying Report of Work

I, A.W. Beecham  
Box 350 Cobalt, Ontario  
(Post Office Address)

hereby certify:

- That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion.
- That the annexed report is true.

Dated.....13 June.....19 81.....

*A.W. Beecham*  
Signature

A.W. Beecham  
Senior Geologist  
Sulpetro Minerals Ltd.

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH



FOSTUNG PROJECT FOSTER TOWNSHIP  
ONTARIO

DIAMOND DRILLING DATA:

<u>Drill Hole #</u>	<u>Footage</u>	<u>Angle (dip)</u>	<u>Core Diameter</u>
3115 #1	270'	-50°	AQ 1.06 inches
3115 #2	431	-55°	AQ "
3115 #3	675	-50°	AQ "
3115 #9	672	-90°	BQ 1.43 inches
3115 #10	236	-45	BQ "

Total Footage 2284'

Drilling Contractor: Barron Drilling  
Box 606 Haileybury, Ontario

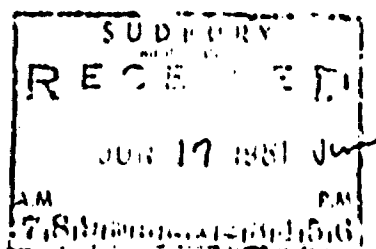
Drilling Dates: 6 June 1980 to 9 September 1980.

WORK ASSIGNMENT SCHEDULE:

Please apply the work to the following claims as indicated below:

<u>Claim #</u>	<u>Days Work</u>	<u>Claim #</u>	<u>Days work</u>
S-471202	96	S-398148	79
S-471203	100	S-398149	79
S-471204	100	S-398150	79
S-471438	81	S-398151	79
S-471439	91	S-398152	40
S-398131	79	S-398153	79
S-398132	40	S-574753	20
S398133	79	S-574754	20
S- 398134	42	S-574755	20
S-398135	42	S-566700	20
S-398136	42	S-566701	20
S-398137	79	S-566702	20
S-398138	40	S-566703	20
S-398139	79	S-566704	20
S-398140	80	S-566705	20
s-398141	79	S-566706	20
S-398142	79	S-566707	20
S-398143	40	S-566708	20
S-398144	40	S-566709	20
S-398145	79	S-566710	20
S-398146	79	S-566711	20
S-398147	83		

Total 2284

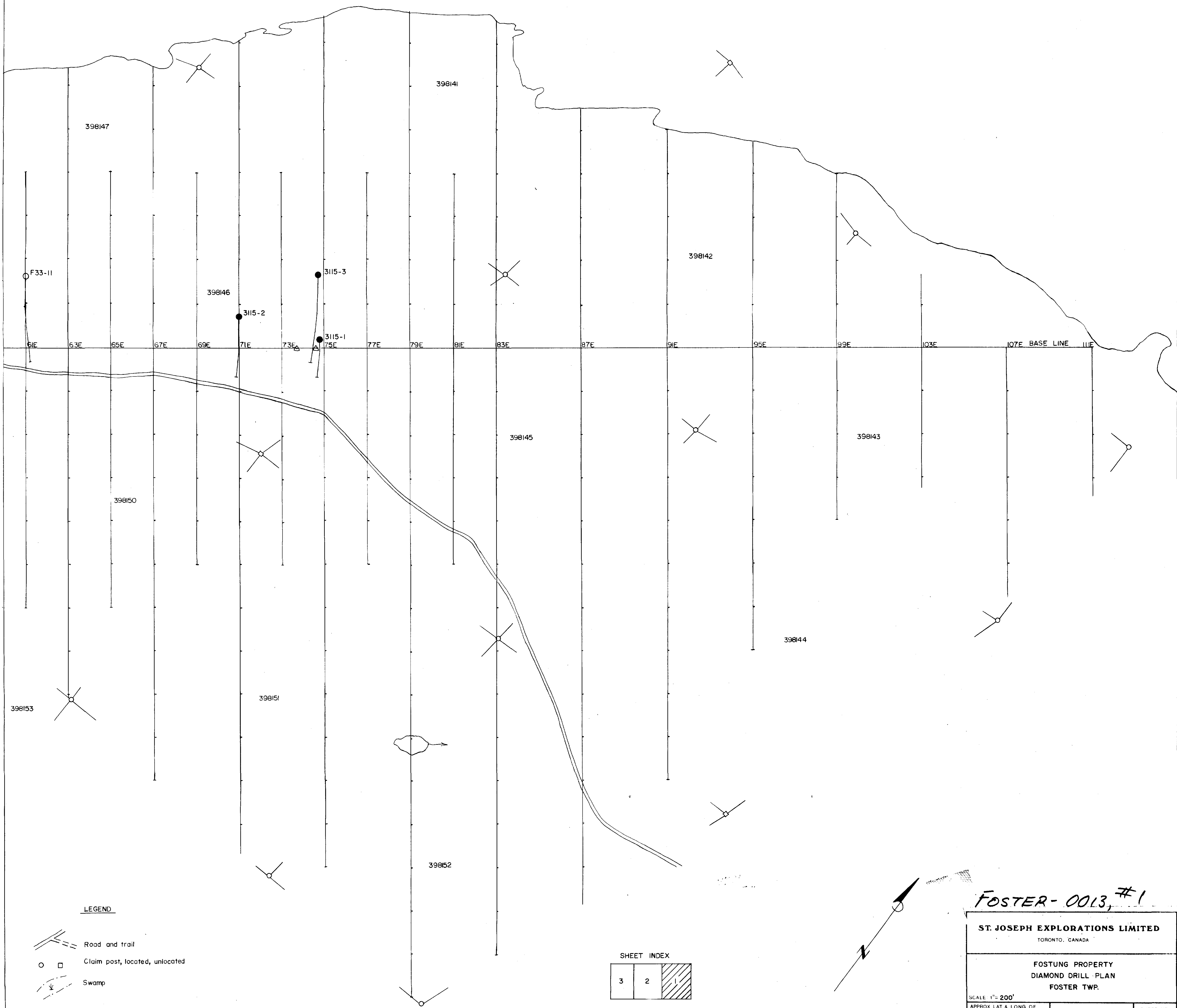


A.W. Beecham

*A.W. Beecham*  
15/6/81



ELIZABETH LAKE

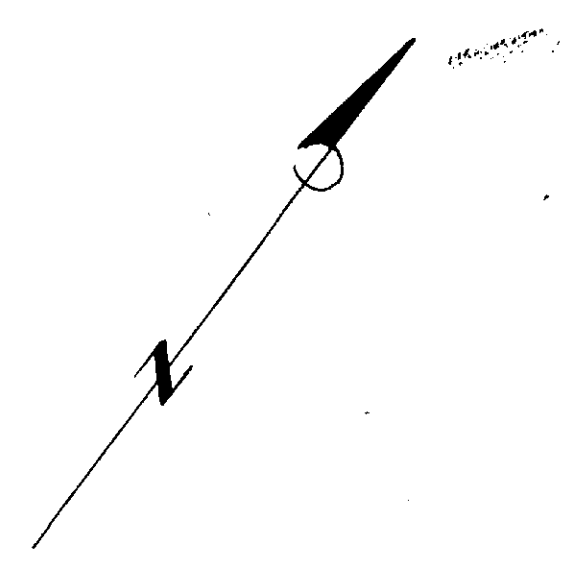


LEGEND

- Road and trail
- Claim post, located, unlocated
- Swamp
- Permanent survey station

SHEET INDEX

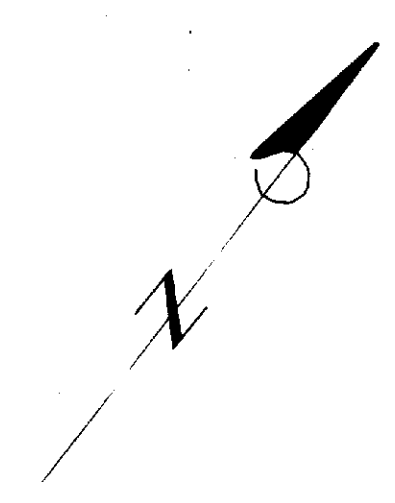
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*FOSTER-0013, #1*

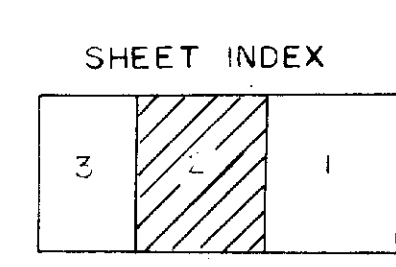
ST. JOSEPH EXPLORATIONS LIMITED TORONTO, CANADA		
FOSTUNG PROPERTY DIAMOND DRILL PLAN FOSTER TWP.		
SCALE 1"=200'	PROJECT NO. <u>3115</u>	SHEET NO. <u>1</u> OF <u>3</u>
APPROX LAT & LONG OF LOWER RT COR OF DWG	REPORT NO. _____	NTS <u>41-1-4</u>
LATITUDE _____		
LONGITUDE _____		





LEGEND

- △ Permanent survey station
  - Road and trail
  - □ Claim post; located, unlocated
  - Swamp
- ASSAYS: W, Mo, S, Cu  
width



**FOSTER-0013, #2**

<b>ST. JOSEPH EXPLORATIONS LIMITED</b> TORONTO CANADA		
FOSTUNG PROPERTY DIAMOND DRILL PLAN FOSTER TWP.		
SCALE: 1"=200'		
APPROX LAT & LONG OF LOWER RT COR OF DWG	PROJECT NO. <u>3115</u>	SHEET NO. <u>2</u> OF <u>3</u>
— LATITUDE	REPORT NO. _____	NTS 4L:4
— LONGITUDE		

**FOSTER 0013, #2**

