



32D12SE0762 13 STOUGHTON

010

DIAMOND DRILLING

TOWNSHIP: Stoughton

REPORT No.: 13

WORK PERFORMED BY: Nufort Resources Inc.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 528778	B-81-1	500.0	Dec/81	(1) (2)
L 528790	B-81-2	459.0	Dec/81	(1) (2)
L 540384	B-81-3	422.0	Dec/81	(1) (2)
L 540383	B-81-4	400.0	Dec/81	(1) (2)
L 528780	B-82-5	467.0	Jan/82	(1) (2) (3)
L 528778	B-82-6	565.0	Jan/82	(1) (2) (3)

NOTES: (1) #229-82
(2) OMEP Submittal: #OM48-PE-44-C-81
(3) OMEP Submittal: #OM82-6-C-4

LEGEND

FELSIC INTRUSIVE ROCKS

- 6a Feldspar porphyry.
- 6b Hornblende-feldspar porphyry.
- 6c Lamprophyre.

INTRUSIVE CONTACT

VOLCANIC AND SEDIMENTARY ROCKS

SEDIMENTARY ROCKS

- 5a Chert.
- 5b Iron formation.
- 5c Graphite.

RHYOLITIC AND DACITIC VOLCANIC ROCKS

CALC-ALKALIC AND THOLEIITIC SUITES

- 4a Massive flows.
- 4b Breccia.
- 4c Tuff-breccia.
- 4d Crystal tuff.
- 4e Dikes.

BASALTIC AND ANDESITIC VOLCANIC ROCKS

CALC-ALKALIC SUITE

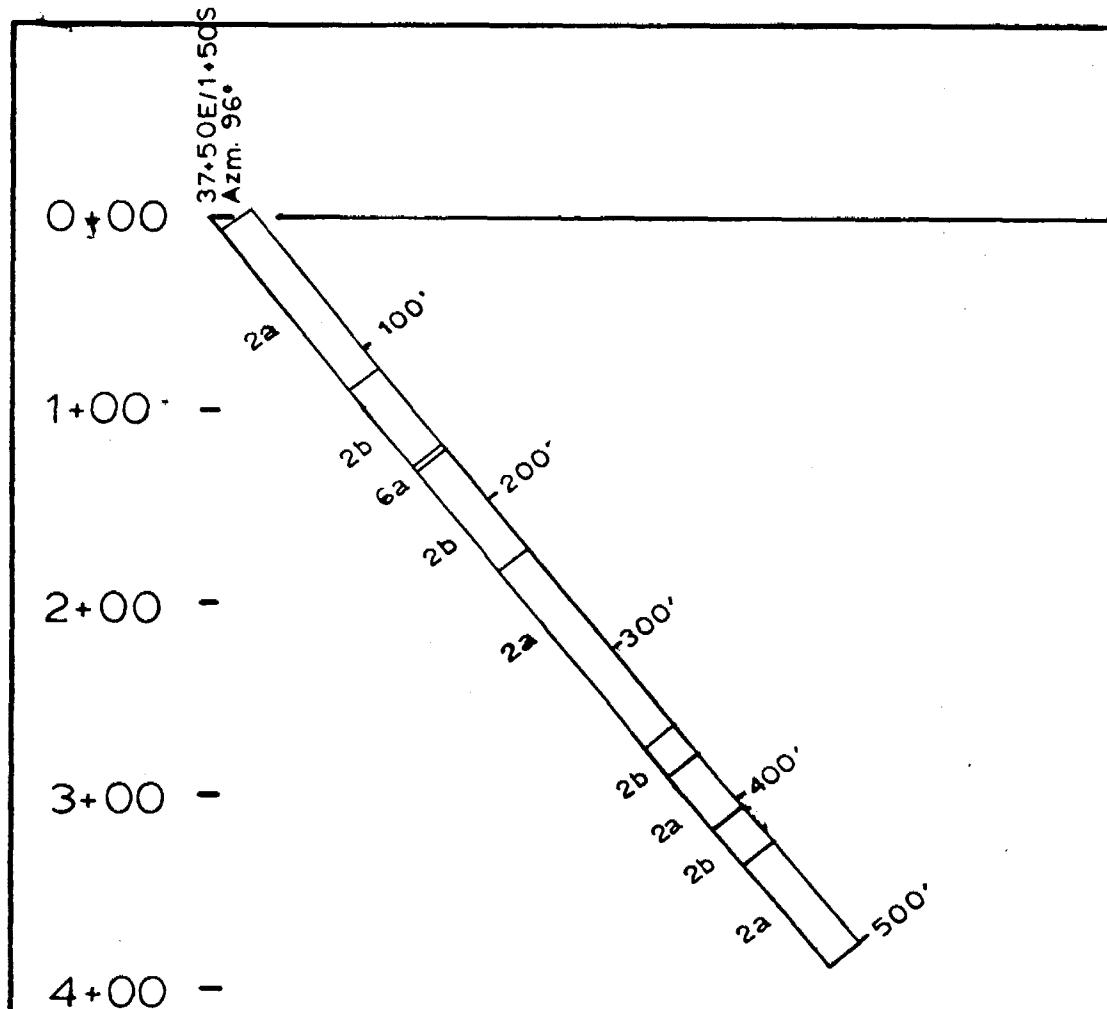
- 3 Unsubdivided basalt and andesite.
- 3a Massive fine-grained flows.
- 3b Pillowed flows.
- 3c Pillow breccia, flow-breccia.
- 3d Massive gabbroic to diabasic textured flows.
- 3e Tuff-breccia.
- 3f Tuff, lapilli-tuff.
- 3g Hyaloclastite and palagonite tuff.
- 3h Variolitic flows.
- 3i Amygdaloidal flows.
- 3j Porphyritic feldspar flows.
- 3k Trap dikes.

THOLEIITIC SUITE

- 2a Grey to green, magnesium-rich tholeiitic basalt.
- 2b Black to dark green iron-rich tholeiitic basalt.
- 2c Massive fine-grained flows.
- 2d Pillowed flows.
- 2e Pillow breccia, flow-breccia.
- 2f Gabbroic and diabasic textured flows.
- 2g Tuff-breccia.
- 2h Hyaloclastite and palagonite tuff.
- 2i Variolitic flows.
- 2j Porphyritic feldspar flows.

KOMATIITIC SUITE

- 1a Ultramafic komatiite.
- 1b Basaltic komatiite.
- 1c Massive fine-grained flows.
- 1d Pillowed flows.
- 1e Pillow breccia, flow-breccia.
- 1g Gabbroic and diabasic textured flows.
- 1h Tuff-breccia.
- 1j Variolitic flows.



NUFORT RESOURCES INC	
BORDER GROUP	
HOLE B-81-1	
TWP: STOUGHTON, ONT.	INTS: 32 D/12
Date: MARCH, 1982	
Drawn By: W. MACRAE	
Scale: 1:1200	



NUFORT RESOURCES INC.				INCLINATION TESTS						HOLE NO.: B-81-2	
				DEPTH	DIP	DEPTH	DIP	DEPTH	DIP		
LOCATION: Stoughton		GRID: 0/11+50N		ELEVATION:		200'		42°		PROJECT: Border Group	
LENGTH: 459.0'		HORIZ:		VERT:		AZIMUTH: 46°		CORE SIZE: B0		STARTED: Dec. 7, 1981	
RECOVERY:		LOGGED BY: W. MacRae		DATE:		Claim number		L.528790		FINISHED: Dec. 10, 1981	
FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0	20.0	Casing						Sampled Length			
20.0	21.0	Basaltic Komatiite Flows - medium green in color - very fine grained - massive	- minor narrow quartz vein 80° to core axis								
21.0	24.3	Ultramafic Komatiite Flows - light green in color - fine grained - 5% serpentine and carbonate veining	- approximately 6" ground core at first of section	1225	21.0	24.3	3.3	2.8			Nil
24.3	25.6	Felsic Dyke - very fine grained - light gray in color - massive	- 5-7% finely disseminated pyrite throughout section - contacts 50° to core axis	1226	24.3	25.6	1.3	1.3			Nil
25.6	27.5	Ultramafic Komatiite Flows - light green in color - fine grained - carbonatized	- 8% euhedral pyrite cubes < 1 mm in size throughout section	1227	25.6	29.0	3.4	3.0			1360
27.5	28.4	Chert - 10% graphite - 5% carbonate - very fine grained - well bedded but very rubbly	- 15% pyrite as diffuse beds and minor euhedral grains - bedding 50° to core axis								
28.4	55.0	Felsic Dyke - light gray in color - very fine grained with quartz and feldspar phenocrysts - massive	- minor to 1% pyrite finely disseminated throughout section	1228	29.0	34.2	5.2	3.8			40
				1229	51.1	55.0	3.9	3.9			20

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS							
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
55.0	57.0	Chert - very fine grained - minor graphite - well bedded	- bedding 60° to core axis - 3% quartz-carbonate veining - 8-10% finely disseminated pyrite throughout section	1230	55.0	57.0	2.0	2.0			410
57.0	116.5	Basaltic Komatiite Flows - very fine grained - dark green in color - massive with several zones of quartz-carbonate veining	- 1% pyrite as disseminated grains and occasional masses up to 1 mm in size - 3% narrow quartz-carbonate veins with larger veins at 71.5 (1") - 40° to c.a. 79.0 (1") - 40° to c.a. 79.9 (2") - 35° to c.a. 83.1 (3") - 3% disseminated pyrite 84.3 (1") - 50° to c.a. - 5% finely disseminated pyrite 85.1 (1") - 3% finely disseminated pyrite 109.7 (2") - 30° to c.a. - 5% magnetite - 3% pyrite 111.0 (6") - 3% hematite - 5% pyrite	1231	57.0	60.7	3.7	3.7			30
				1232	81.0	85.6	4.6	4.6			10
				1233	105.1	108.4	3.3	3.3			40
				1234	108.4	112.1	3.5	3.5			140
				1235	112.1	116.5	4.4	4.4			30
116.5	118.6	Felsic Dyke - very fine grained - massive - light gray in color	- 11" ground core at start of section - 1% narrow quartz veining	1236	116.5	120.7	4.2	3.4			30
118.6	120.7	Ultramafic Komatiite Flows - very fine grained - dark green in color	- 1/2" serpentine-carbonate vein at 118.9								
120.7	123.9	Felsic Dyke - subhedral feldspar phenocrysts	- 3/8" quartz vein 20° to core axis at 121.7	1237	120.7	123.9	3.2	3.2			10

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS								
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	
			- 70% chert					Sampled Length				
			207.5 to 209.2 - 3% pyrite masses									
			- minor graphite									
			- 10% ser-pentinite									
			226.6 to 227.4 - minor pyrite									
			- 20% ser-pentinite									
			- minor finely disseminated pyrite from 126.5 to 160.8 and 173.0 to 221.0 except at interflow sites									
			- from 161.5 to 172.8 - 3-5% finely disseminated pyrite in a section containing amygdules and 1-2 mm light green anhedral masses									
			- very fine spinifex texture from 211.2 to 217.0									
			- from 221.0 to 222.8 - 10% pyrite as finely disseminated grains and masses									
			- minor to 1% disseminated pyrite from 222.8 to 251.2									
251.2	253.3	Chert										
		- very fine grained	- 20% pyrite as diffuse beds and localized masses	1249	251.2	253.3	2.1	2.1		0.5	80	
		- well bedded	- bedding 40° to core axis									
		- very light gray in color	- pyrite is euhedral in cherty section from 251.2 to 252.0									
		- from 252.0 to 253.3 - 10% graphite with bedding more contorted										
253.3	277.6	Felsic Dyke										
		- light gray in color	- 8-10% finely disseminated pyrite throughout section	1250	253.3	257.0	3.7	3.7		Nil	30	
		- very fine grained		1251	257.0	262.0	5.0	5.0		0.2	40	
		- porphyritic with subhedral	- 1-2% narrow quartz veins	1252	262.0	267.0	5.0	5.0		Nil	30	

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS							
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
		to anhedral feldspar phenocrysts to 1 mm in size	cutting core at various angles some of which have associated pyrite concentrations	1253	267.0	272.0	5.0	5.0		Nil	30
				1254	272.0	275.3	3.3	3.3		Nil	Nil
				1255	275.3	277.6	2.3	2.3		Nil	Nil
277.6	304.8	Chert									
		- very fine grained	- 15% pyrite as very fine	1256	277.6	282.0	4.4	4.4		0.3	50
		- well bedded	grained narrow beds throughout section	1257	282.0	286.0	4.0	4.0		0.3	30
		- 15% graphitic material		1258	286.0	289.0	3.0	2.8		0.4	40
		- 5% carbonate veining	- bedding 42° to core axis	1259	289.0	293.0	4.0	3.8		0.2	30
		- 10% argillaceous beds		1260	293.0	298.0	5.0	5.0		0.2	Nil
				1261	298.0	302.7	4.7	4.7		0.2	70
				1262	302.7	306.2	3.5	3.5		0.3	70
304.8	376.0	Basaltic Komatiite Flow									
		- dark green in color	- trace amounts of fine	1263	306.2	310.5	4.3	4.3		Nil	500
		- very fine grained	grained disseminated pyrite	1264	310.5	315.7	5.2	5.2			Nil
		- flow top breccia (hyaloclastite) from 306.2 to 309.4	- 2% narrow quartz veins at various angles to core axis with minor pyrite	1265	327.2	331.5	4.3	4.3			Nil
			- from 361.1 to 376.0 - 5% pyrite as 2-3 mm masses randomly dispersed throughout	1266	369.4	374.4	5.0	5.0			Nil
376.0	376.9	Felsic Dyke									
		- light gray to pink in color	- contacts 35° to core axis								
		- light colored subhedral feldspar phenocrysts									
		- very fine grained									
376.9	391.8	Basaltic Komatiite Flows									
		- similar to 304.8 to 376.0									
391.8	396.5	Felsic Dyke									
		- similar to 376.0 to 376.9	- 3-5% disseminated pyrite with concentrations associated with a basaltic	1267	391.8	396.5	4.7	4.7			Nil

LEGEND

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- 6a Feldspar porphyry.
- 6b Hornblende-feldspar porphyry.
- 6c Lamprophyre.

INTRUSIVE CONTACT

VOLCANIC AND SEDIMENTARY ROCKS

SEDIMENTARY ROCKS

- 5a Chert.
- 5b Iron formation.
- 5c Graphite.

RHYOLITIC AND DACITIC VOLCANIC ROCKS

CALC-ALKALIC AND THOLEIITIC SUITES

- 4a Massive flows.
- 4b Breccia.
- 4c Tuff-breccia.
- 4d Crystal tuff.
- 4e Dikes.

BASALTIC AND ANDESITIC VOLCANIC ROCKS

CALC-ALKALIC SUITE

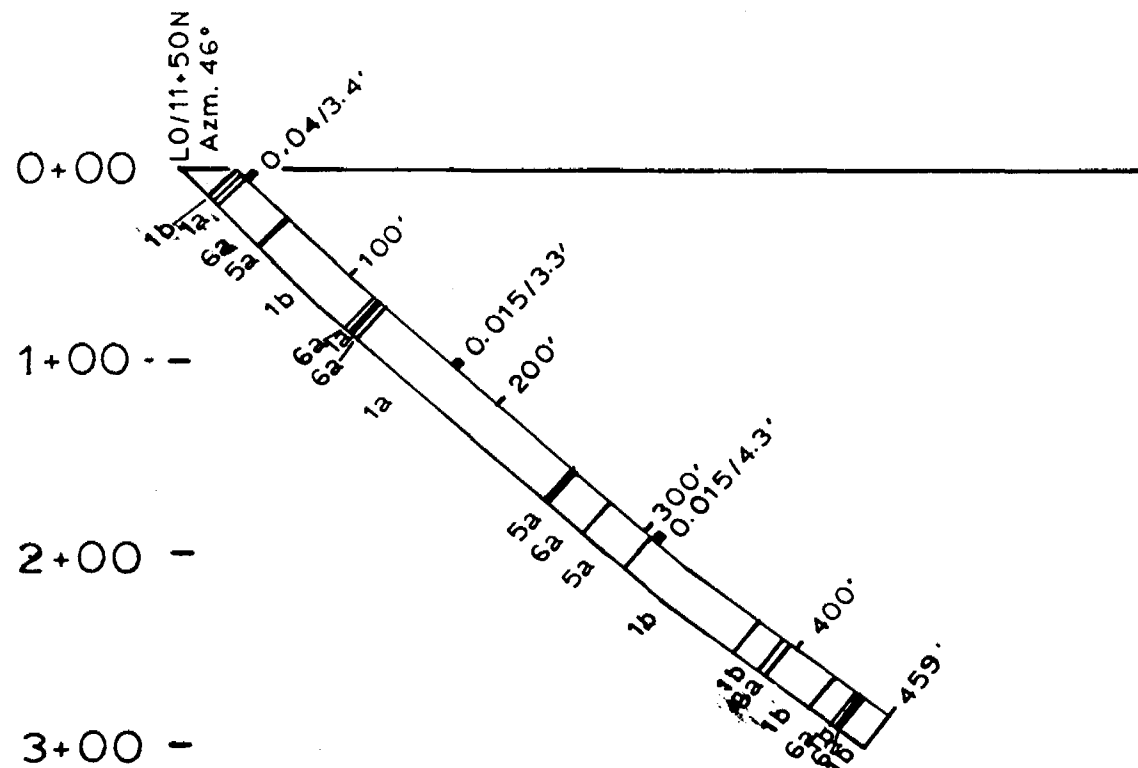
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NUFORT RESOURCES INC

BORDER GROUP

HOLE B-81-2

TWP: STOUGHTON, ONT. NTS: 32 D/12

Date: MARCH, 1982

Drawn By: W. MACRAE

Scale: 1:1200



NUFORT RESOURCES INC.

INCLINATION TESTS

DEPTH	DIP	DEPTH	DIP	DEPTH	DIP
COLLAR	52°				
200'	49°				
422'	50°				

HOLE NO: B-81-3

LOCATION: Stoughton Twp. GRID: 10+80W/2+00S ELEVATION:
 LENGTH: 422.0' HORIZ.: VERT.: AZIMUTH: 46° CORE SIZE: BQ
 RECOVERY: LOGGED BY: W. MacRae DATE: Claim number: L-540384

PROJECT: Border Group
 STARTED: Dec. 11, 1981
 FINISHED: Dec. 14, 1981

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	SAMPLE	FROM	TO	LENGTH	ANALYTICAL RESULTS				
								-Cu (ppm)-	-Zn (ppm)-	Ag (ppm)	Au (ppb)	
0	50.0	Casing						Sampled Length				
50.0	58.2	High Magnesium Tholeiitic Basalt - light green in color - very fine grained	- minor quartz veining less than 1/4" thick									
58.2	62.9	Felsic Dyke - light gray to pink in color - fine grained - very broken and rubbly	- minor pyrite disseminated throughout but weathered	1319	58.3	62.8	4.5	4.5				Nil
62.9	193.0	High Magnesium Tholeiitic Basalt - very fine grained - massive - light green in color	- 3% quartz-carbonate veining with most less than 1/4" - minor to 1% disseminated pyrite throughout section - quartz-epidote veining from 136.3 to 137.3 with 40% vein material - 1/2" epidote vein, 20° to core axis at 151.7 - epidote concentrations at 161.0 (1/2') - minor pyrite 173.5 (1 1/2") - 85 to c.a. 185.1 (1") - 50% quartz	1320 1321 1322	76.8 133.5 190.7	81.6 137.4 193.1	4.8 3.9 2.4	4.8 3.9 2.4				Nil Nil 20
193.0	198.2	Felsic Dyke - dark gray to pink in color - fine grained - poorly developed porphyritic texture	- 2% narrow quartz-feldspar veining	1323	193.1	198.4	5.3	5.3				30
198.2	215.6	High Magnesium Tholeiitic Basalt - similar to 62.9 to 192.5	- minor to 1% finely disseminated pyrite throughout section	1324	198.4	201.9	3.5	3.5				Nil

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS							
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
215.6	227.9	High Iron Tholeiitic Basalt - dark green in color - very fine grained - massive - slightly magnetic	- 5% narrow quartz-carbonate veining - 2% narrow epidote veining	1325	216.0	220.8	4.8	4.8			Nil
227.9	229.4	Felsic Dyke - fine grained - dark gray to pink in color	- minor very narrow quartz veining - 1% finely disseminated pyrite								
229.4	232.3	High Iron Tholeiitic Basalt - similar to 215.6 to 227.9		1338	229.4	232.8	3.4	3.4			Nil
232.3	241.5	Chloritic sediments - fine grained - fragmental in appearance with fragments up to 1 mm in size - light gray in color	- 1-2% finely disseminated pyrite throughout section	1339	232.8	237.0	4.2	4.2			Nil
				1340	237.0	241.5	4.5	4.5			Nil
241.5	268.6	High Iron Tholeiitic Basalt - similar to 215.6 to 227.9	- trace amounts of finely disseminated pyrite throughout section	1341	245.2	249.5	4.3	4.3			Nil
				1342	264.0	268.6	4.6	4.6			Nil
268.6	271.4	High Magnesium Tholeiitic Basalt - very fine grained - light green in color - massive	- 3" quartz-carbonate veins (irregular) at 270.3 with trace pyrite								
271.4	274.8	Felsic Dyke - dark gray to pink in color - very fine grained	- 1" vuggy quartz-carbonate vein at 271.9 - contacts at 80° to core axis (c.a.)	1343	271.4	274.8	3.4	3.4			Nil

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CALC-ALKALIC AND THOLEIITIC SUITES

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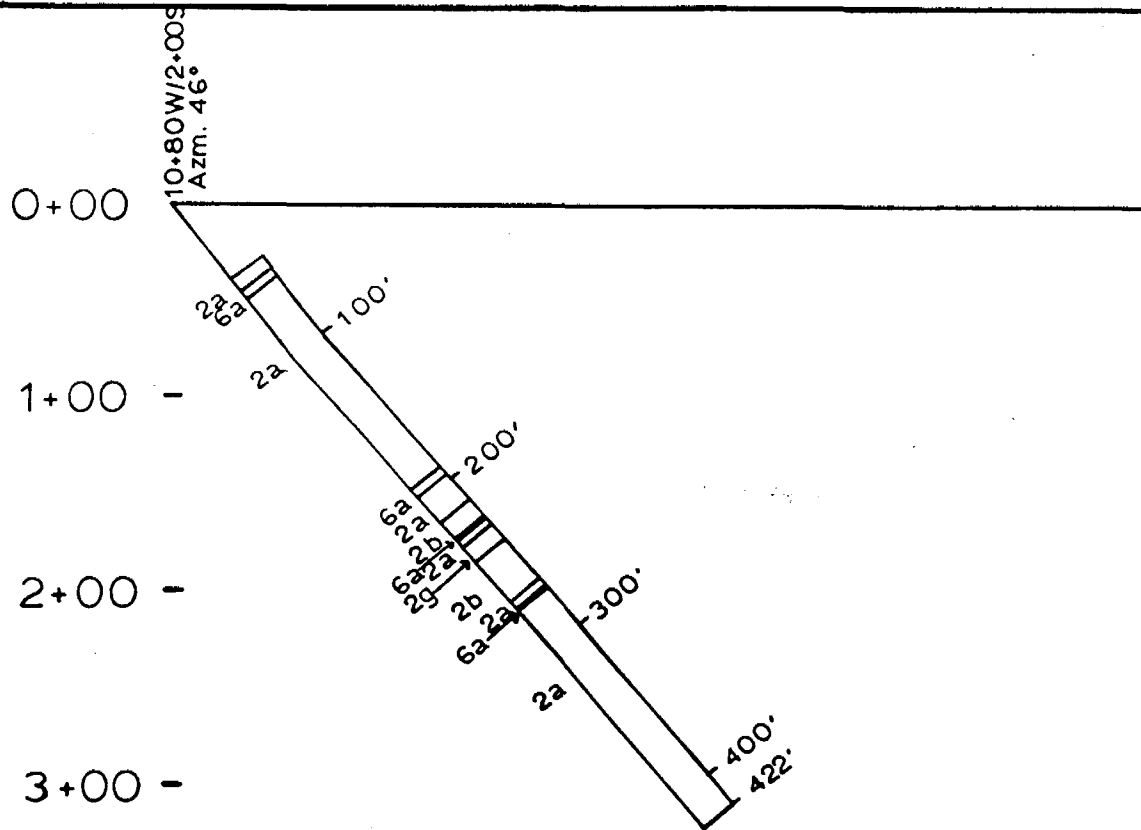
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NUFORT RESOURCES INC

BORDER GROUP

HOLE B-81-3

TWP: STOUGHTON, ONT. | NTS: 32 D/12

Date: MARCH, 1982

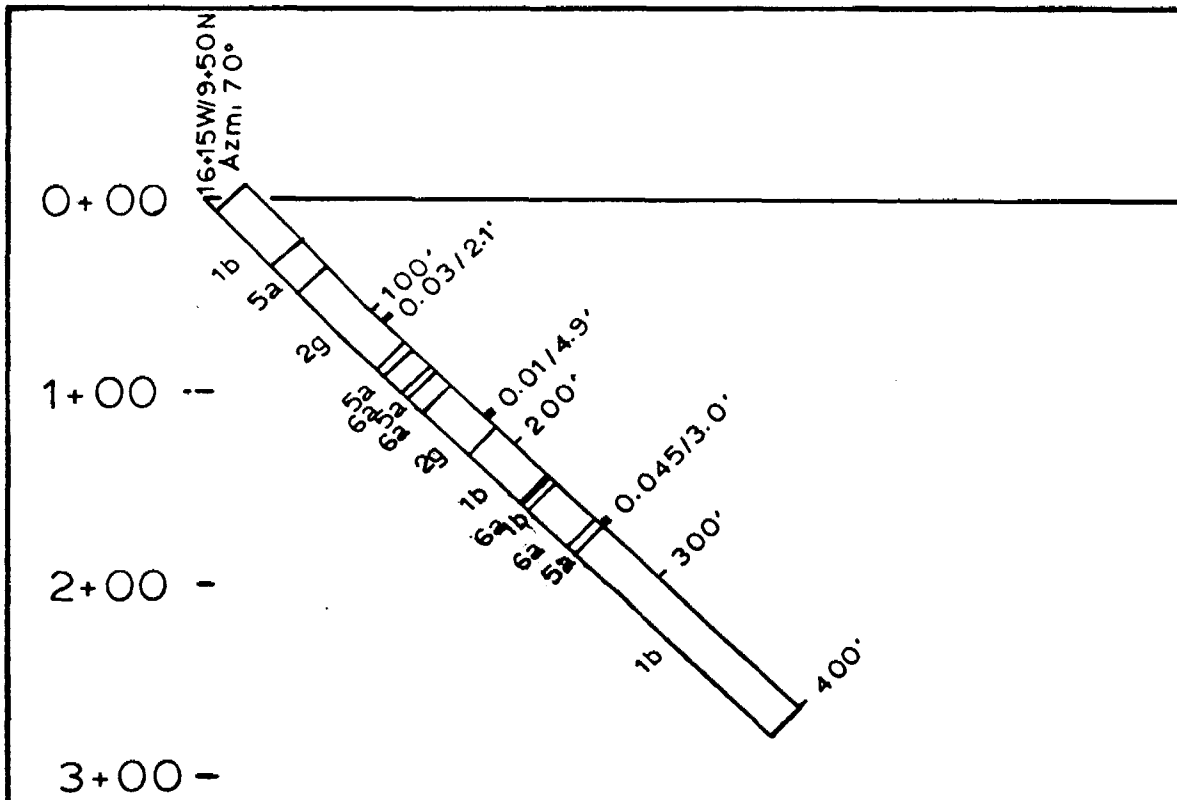
Drawn By: W. MACRAE

Scale: 1:1200 100 50 0 100

NUFORT RESOURCES INC.				INCLINATION TESTS						HOLE NO.: B-81-4				
				DEPTH	DIP	DEPTH	DIP	DEPTH	DIP					
LOCATION: Stoughton Twp		GRID: 16+15W/9+50N	ELEVATION:	COLLAR	46°					PROJECT: Border Group				
LENGTH: 400.0'	HORIZ:	VERT:	AZIMUTH: 70°	CORE SIZE: B2	200'	44°				STARTED: Dec. 16, 1981				
RECOVERY:	LOGGED BY: W. MacRae		DATE:	Claim number	400'	44°				FINISHED: Dec. 18, 1981				
FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	SAMPLE	FROM	TO	LENGTH	ANALYTICAL RESULTS						
0	8.0	Casing						Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)			
8.0	49.9	Basaltic Komatiite Flow						Sampled Length						
		- medium to dark green in color	- minor disseminated pyrite throughout section	1272	20.8	26.0	5.2	5.2				30		
		- very fine grained	- 3% quartz-carbonate veins with larger veins at	1273	35.3	41.0	5.7	5.7				Nil		
		- 5% serpentinization	22.3 (2") - 40° to c.a.	1274	44.2	50.0	5.8	5.8				Nil		
			36.7 (½") - 40° to c.a.											
			37.7 (½") - 35° to c.a.											
			39.8 (4") - 1% pyrite											
			44.6 (3") - minor pyrite											
			- 45° to c.a.											
			(c.a. - core axis)											
49.9	67.5	Chert												
		- light gray to black in color	- from 51.6 to 67.5 - 15% pyrite as narrow beds and	1275	50.0	54.1	4.1	4.1				130		
		- very fine grained	finely disseminated grains	1276	54.1	59.1	5.0	5.0				100		
		- argillaceous from 49.9 to 51.6	- bedding 40° to core axis	1277	59.1	64.0	4.9	4.9				50		
		- 15% graphite and well bedded from 51.6 to 67.5	- contorted bedding from 52.5 to 54.6 and 58.7 to 59.1	1278	63.2	68.2	5.0	5.0				Nil		
			- minor pyrite in argillaceous section											
			- 5% quartz-carbonate veining											
67.5	123.9	Chloritic Sediments												
		- generally fine grained with some conglomeratic sections from 82.4 to 86.7 and 103.4 to 106.4	- 15% pyrite as euhedral grains in conglomerate from 82.4 to 86.7 and cherty beds from 106.4 to 108.1	1279	68.2	70.8	2.6	2.6				Nil		
		- cherty section from 106.4 to 108.1	- 8% pyrite as finely disseminated grains from 122.0 to 123.9	1280	70.8	76.4	5.6	5.6				10		
		- ½" chert (jasperitic) bed at 123.0		1281	76.4	82.8	6.4	6.4				40		
				1282	82.8	87.5	4.7	4.7				30		
				1283	87.5	91.8	4.3	4.3				20		
				1284	101.6	106.2	4.6	4.6				20		
				1285	106.2	108.5	2.3	2.3				10		
				1286	108.5	110.6	2.1	2.1				1050		
				1287	121.9	124.9	3.0	3.0				100		

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS							
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
123.9	127.5	Chert - very fine grained - well bedded - black to light gray in color - 5% graphite	- 20% pyrite as diffuse beds and masses - some beds brecciated	1288	124.9	127.5	2.6	2.6			100
127.5	141.2	Felsic Dyke - light gray in color - 20% subhedral feldspar phenocrysts - very fine grained	- 5-8% disseminated pyrite throughout section - higher pyrite concentrations associated with 5% narrow (<1/4") quartz veins	1289 1290 1291	127.5 130.2 135.1	130.2 135.1 140.1	2.7 4.9 5.0	2.7 4.9 5.0			Nil Nil 10
141.2	143.4	Chert - contorted bedding - very fine grained - minor graphite	- 10% finely disseminated pyrite - 5% quartz-carbonate veining	1292	140.1	143.3	3.2	3.2			170
143.4	155.1	Felsic Dyke - similar to 127.5 to 141.2	- 5% finely disseminated pyrite	1293 1294 1295	143.3 146.3 150.1	146.3 150.1 155.2	3.0 3.8 5.1	3.0 3.8 5.1			Nil Nil Nil
155.1	187.5	Chloritic Sediments - well bedded and cherty from 155.1 to 157.5 with bedding 35° to core axis - conglomerate from 157.5 to 171.2, 174.3 to 175.6 and 182.1 to 183.0 - from 171.2 to 174.3 argillites with some bedding and minor graphite - from 175.6 to 182.1 a fine grained argillite to mudstone with poor bedding and minor chert - from 183.0 to 186.2 a very	- 10% diffuse beds of pyrite from 155.1 to 157.5 - from 157.5 to 171.2 - 5% disseminated euhedral and anhedral pyrite grains - 3% pyrite as diffuse beds from 171.2 to 174.3 - 5% disseminated pyrite from 175.6 to 182.1 - 1% finely disseminated pyrite from 183.0 to 186.2 - 5% disseminated pyrite from 186.2 to 187.5 in beds of chert at 50° to	1296 1297 1298 1299 1300 1301 1302	155.2 159.5 164.4 169.3 174.1 178.9 183.8	159.5 164.4 169.3 174.1 178.9 183.8 186.8	4.3 4.9 4.9 4.8 4.8 4.9 3.0	4.3 4.9 4.9 4.8 4.8 4.9 3.0			140 Nil Nil 10 200 340 80

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS							
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
		at 261.4 - minor graphite	with a 2" vein at 262.1 and visible gold					Sampled Length			
262.2	400.0	Basaltic Komatiite Flows - medium to dark green in color - very fine grained - massive - 2" vein like mass of epidotization at 316.6 and a 4" patch of epidotization at 343.1 - 5% irregular chloritic patches up to 1 mm in size from 370.0 to 400.0 except in quartz rich areas at 376.9 and 385.7	- 1% finely disseminated pyrite throughout section - carbonate vein 4" thick at 205.1 with 10% chlorite - a 4" quartz rich zone (70% quartz) with 10% euhedral pyrite grains at 376.9 - 3" quartz-epidote-carbonate zone at 385.7	1312	262.0	266.1	4.1	4.1			Nil
				1313	267.9	272.7	4.8	4.8			Nil
				1314	282.1	287.0	4.9	4.9			Nil
				1315	301.9	306.9	5.0	5.0			Nil
				1316	350.1	355.1	5.0	5.0			Nil
				1317	375.0	380.0	5.0	5.0			Nil
				1318	394.5	400.0	5.5	5.5			Nil
400.0		END OF HOLE									
		SUMMARY									
		This hole was drilled to test a high negative mag anomaly and VLF anomalies. The high negative mag. can only be explained by several narrow magnetite-chert units in basalt flows. The VLF anomalies are graphite rich sections in interflow sediments.									
		Highly anomalous values were obtained in interflow sediments with values up to .01 oz/ton at 108.5 in chloritic sediments. A 3.0 foot sample, at 259.0 feet,									



LEGEND

FELSIC INTRUSIVE ROCKS

- 6a Feldspar porphyry.
- 6b Hornblende-feldspar porphyry.
- 6c Lamprophyre.

INTRUSIVE CONTACT

VOLCANIC AND SEDIMENTARY ROCKS

SEDIMENTARY ROCKS

- 5a Chert.
- 5b Iron formation.
- 5c Graphite.

RHYOLITIC AND DACITIC VOLCANIC ROCKS

CALC-ALKALIC AND THOLEIITIC SUITES

- 4a Massive flows.
- 4b Breccia.
- 4c Tuff-breccia.
- 4d Crystal tuff.
- 4e Dikes.

BASALTIC AND ANDESITIC VOLCANIC ROCKS

CALC-ALKALIC SUITE

- 3 Unsubdivided basalt and andesite.
- 3a Massive fine-grained flows.
- 3b Pillowed flows.
- 3c Pillow breccia, flow-breccia.
- 3d Massive gabbroic to diabasic textured flows.
- 3e Tuff-breccia.
- 3f Tuff, lapilli-tuff.
- 3g Hyaloclastite and palagonite tuff.
- 3h Variolitic flows.
- 3i Amygdaloidal flows.
- 3j Porphyritic feldspar flows.
- 3k Trap dikes.

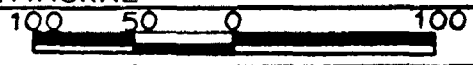
THOLEIITIC SUITE

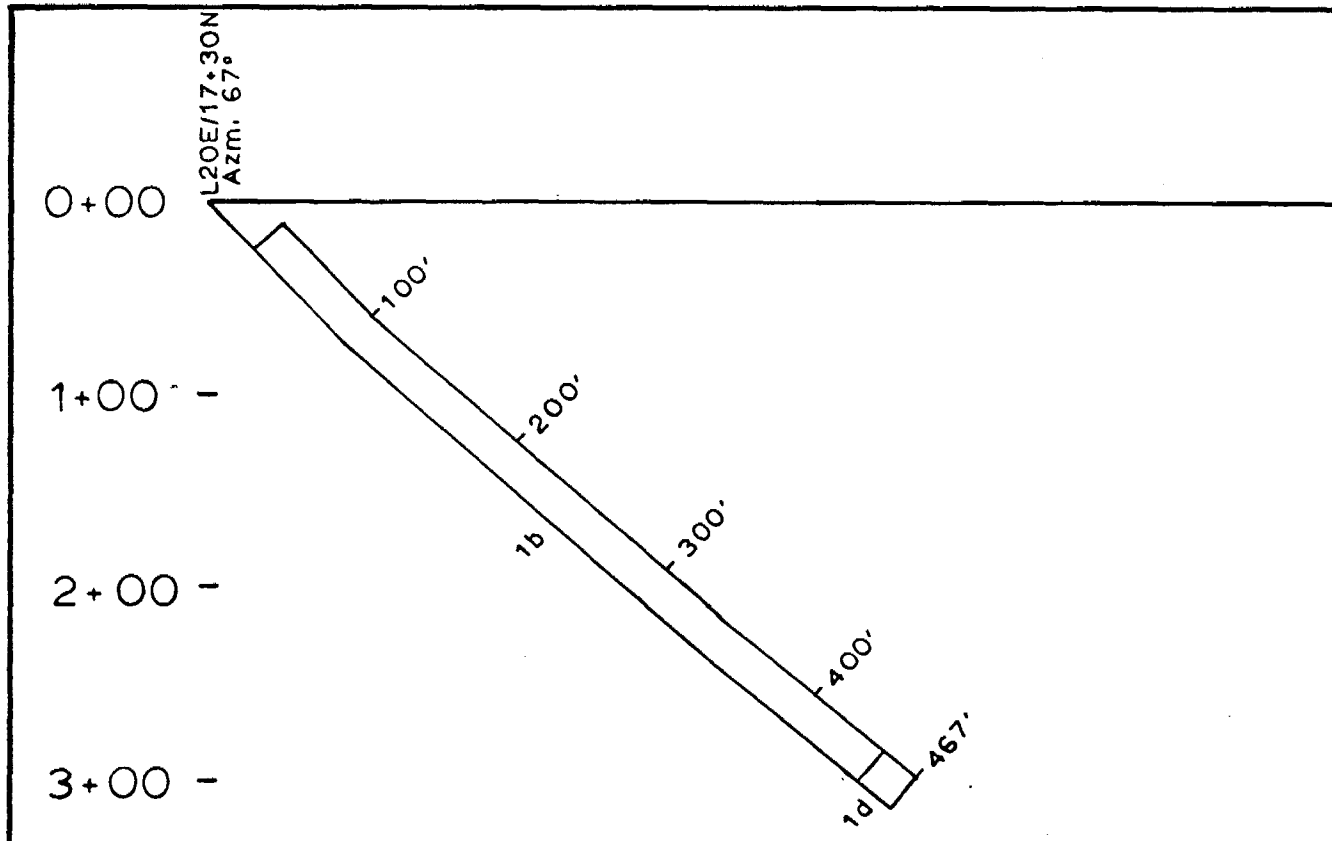
- 2a Grey to green, magnesium-rich tholeiitic basalt.
- 2b Black to dark green iron-rich tholeiitic basalt.
- 2c Massive fine-grained flows.
- 2d Pillowed flows.
- 2e Pillow breccia, flow-breccia.
- 2f Gabbroic and diabasic textured flows.
- 2g Tuff-breccia.
- 2h Hyaloclastite and palagonite tuff.
- 2i Variolitic flows.
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KOMATIITIC SUITE

- 1a Ultramafic komatiite.
- 1b Basaltic komatiite.
- 1c Massive fine-grained flows.
- 1d Pillowed flows.
- 1e Pillow breccia, flow-breccia.
- 1g Gabbroic and diabasic textured flows.
- 1h Tuff-breccia.
- 1j Variolitic flows.

NUFORT RESOURCES INC	
BORDER GROUP	
HOLE B-81-4	
TWP: STOUGHTON, ONT.	NTS: 32 D/12
Date: MARCH, 1982	
Drawn By: W. MACRAE	
Scale: 1:1200	





LEGEND

FELSIC INTRUSIVE ROCKS

- 6a Feldspar porphyry.
- 6b Hornblende-feldspar porphyry.
- 6c Lamprophyre.

INTRUSIVE CONTACT

VOLCANIC AND SEDIMENTARY ROCKS

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- 5a Chert.
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RHYOLITIC AND DACITIC

VOLCANIC ROCKS

CALC-ALKALIC AND THOLEIITIC SUITES

- 4a Massive flows.
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BASALTIC AND ANDESITIC

VOLCANIC ROCKS

CALC-ALKALIC SUITE

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- 3i Amygdaloidal flows.
- 3j Porphyritic feldspar flows.
- 3k Trap dikes.

THOLEIITIC SUITE

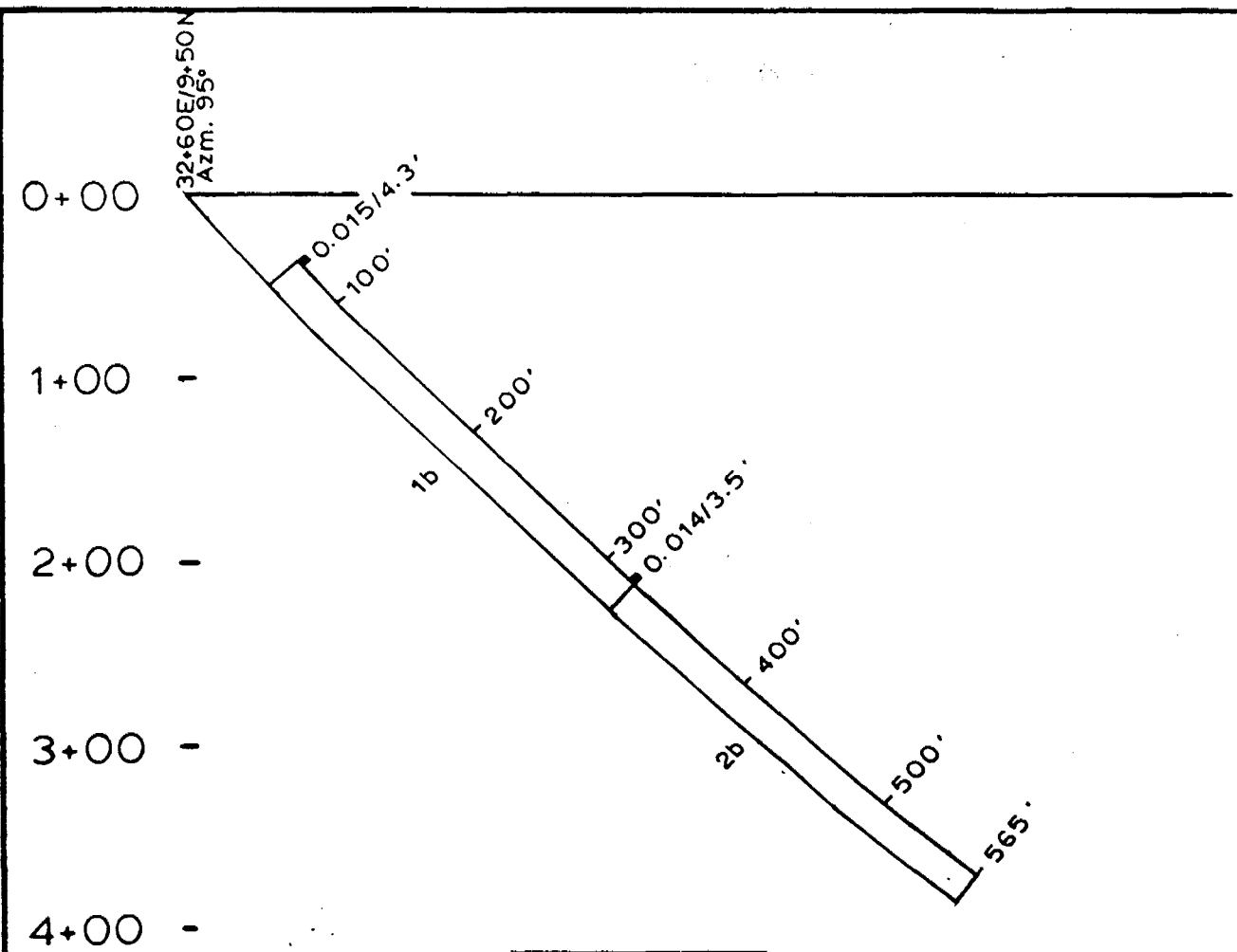
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- 2i Variolitic flows.
- 2j Porphyritic feldspar flows.

KOMATIITIC SUITE

- 1a Ultramafic komatiite.
- 1b Basaltic komatiite.
- 1c Massive fine-grained flows.
- 1d Pillowed flows.
- 1e Pillow breccia, flow-breccia.
- 1g Gabbroic and diabasic textured flows.
- 1h Tuff-breccia.
- 1i Variolitic flows.

NUFORT RESOURCES INC	
BORDER GROUP	
HOLE B-82-5	
TWP: STOUGHTON, ONT.	INTS: 32 D/12
Date: MARCH, 1982	
Drawn By: W. MACRAE	
Scale: 1:1200	

NUFORT RESOURCES INC.				INCLINATION TESTS				HOLE NO.: B-82-6					
LOCATION: Stoughton Twp		GRID: 32+60E/9+50N		ELEVATION:		DEPTH	DIP	DEPTH	DIP	DEPTH	DIP	PROJECT: Border Group	
LENGTH: 565.0'		HORIZ:		VERT:		AZIMUTH: 95°		CORE SIZE: BQ		200'	44°	STARTED: Jan. 18, 1982	
RECOVERY:		LOGGED BY: W. MacRae		DATE:		250'	44°	L-5-28778		400'	42°	FINISHED: Jan. 22, 1982	
FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	SAMPLE	FROM	TO	LENGTH	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	ANALYTICAL RESULTS	
0	67.0	Casing						Sampled Length					
67.0	320.6	Basaltic Komatiite Flows		1363	92.0	96.3	4.3	4.3			500		
		- fine grained	- possible flow contacts	1364	124.2	126.5	2.3	2.3			Nil		
		- dark green in color	containing quartz-carbonate	1365	131.0	133.5	2.5	2.5			Nil		
		- coarse grained from 167.0 to 209.0	material and 5% euhedral	1366	148.2	151.0	2.8	2.8			Nil		
		- massive silicified section	pyrite grains from 95.1 to	1367	164.2	167.0	2.8	2.8			Nil		
		from 307.8 to 317.1	95.5, 125.2 to 125.5, 132.1	1368	214.8	217.7	2.9	2.9			310		
		- from 301.9 to 320.6 color	to 132.5, 149.3 to 149.5,	1369	237.0	240.6	3.6	3.6			Nil		
		becomes light gray to	165.4 to 166.5, 201.6 to	1370	254.4	256.8	2.4	2.4			Nil		
		light green	201.8, 215.0 to 217.0,	1371	288.9	291.4	2.5	2.5			80		
			256.2 to 256.5 and 289.8	1372	297.5	302.0	4.5	4.5			Nil		
			to 290.5	1373	302.0	304.7	2.7	2.7			30		
			- 5% epidote as indistinct	1374	304.7	306.9	2.2	2.2			20		
			veins and masses from	1375	306.9	309.7	2.8	2.8			50		
			116.0 to 162.0	1376	309.7	313.0	3.3	3.3			20		
			- 1% narrow (<1/4") quartz-	1377	313.0	317.2	4.2	4.2			10		
			carbonate veins throughout	1378	317.2	320.7	3.5	3.5			470		
			section										
			- highly altered and brecciated zone from 301.9 to 320.6 containing 50% quartz carbonate material and 5% disseminated pyrite										
			- 1/2" pyrite beds at 302.1 and 317.6										
			- recemented breccia from 317.0 to 318.5										
320.6	565.0	High Iron Tholeiitic Basalt											
		- dark green in color	- minor disseminated pyrite	1379	320.7	324.2	3.5	3.5			10		
		- very fine grained	throughout section	1380	340.8	342.0	1.2	1.2			30		
		- massive	- possible flow contacts	1381	407.0	410.3	3.3	3.3			10		
		- slightly magnetic from	containing quartz-carbon-	1382	435.7	438.2	2.5	2.5			Nil		
		325.0 to 340.0 and 486.0	ate material and minor to	1383	446.6	450.6	4.0	4.0			10		
		to 565.0	1% pyrite from 341.2 to	1384	450.6	453.5	2.9	2.9			Nil		



NUFORT RESOURCES INC

BORDER GROUP

HOLE B-82-6

TWP: STOUGHTON, ONT. INTS: 32 D/12

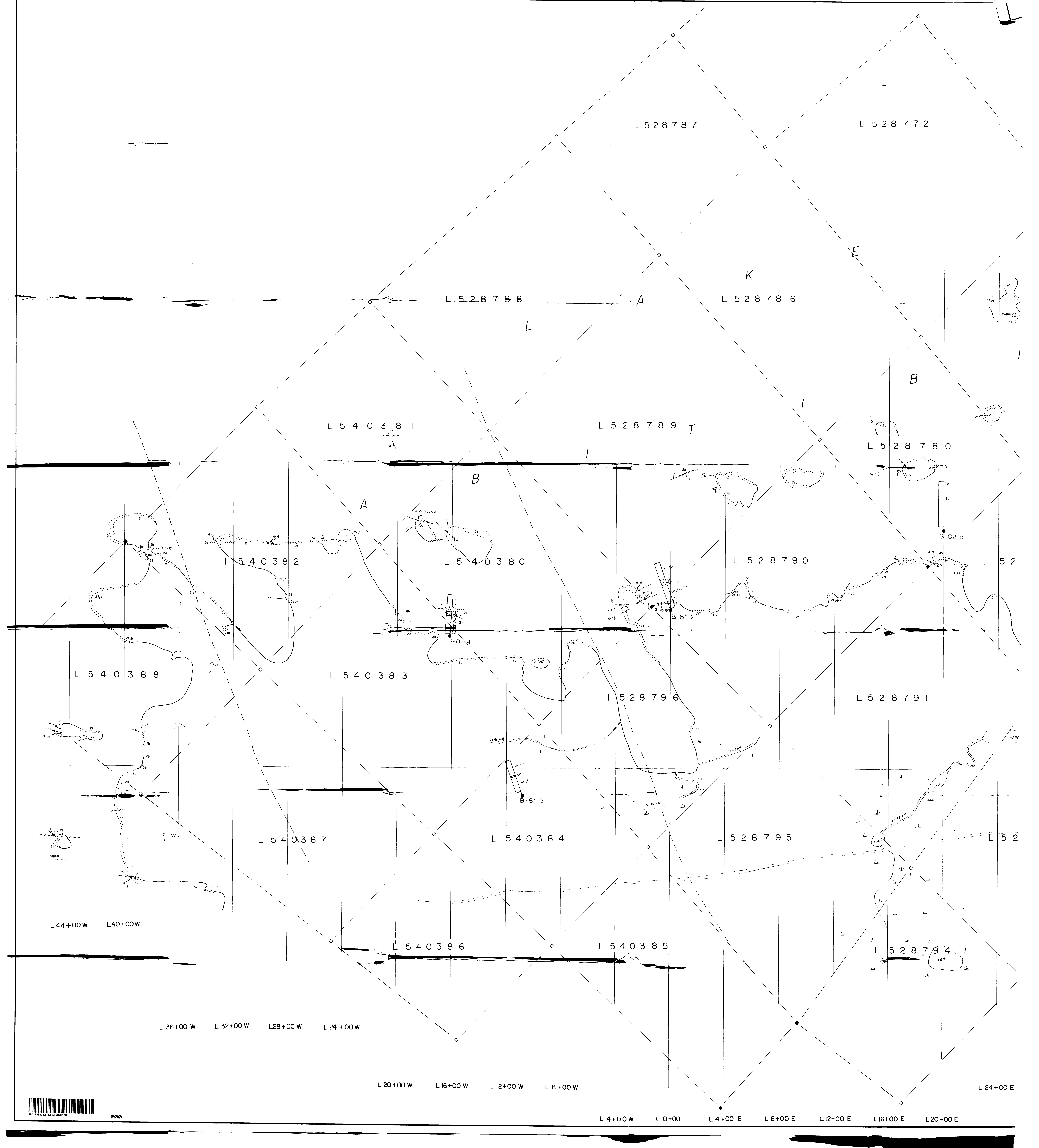
Date: MARCH, 1982

Drawn By: W. MACRAE

Scale: 1:1200

LEGEND

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- 6a Feldspar porphyry.
 - 6b Hornblende-feldspar porphyry.
 - 6c Lamprophyre.
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- 4a Massive flows.
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L 528787

L 528772

L 528788

L 528786

L 540381

L 528789

L 528780

L 540382

L 540380

L 528790

L 52

L 540388

L 540383

L 528796

L 528791

L 52

L 540387

L 540384

L 528795

L 44+00 W L 40+00 W

L 540386

L 540385

L 528794

L 36+00 W L 32+00 W L 28+00 W L 24+00 W

L 20+00 W L 16+00 W L 12+00 W L 8+00 W

L 24+00 E

L 4+00 W L 0+00 L 4+00 E L 8+00 E L 12+00 E L 16+00 E L 20+00 E

