



42B09SE0008 OP92-298 STRACHAN

010

DIAMOND DRILLING REPORT
FOR A FOUR CLAIM GROUP
STRACHAN TOWNSHIP
PORCUPINE MINING DIVISION
ONTARIO

NTS 42 B/9

Claim Numbers

1158645 to 1158648 Inclusive

James G. Burns

October 13, 1992



42B09SE0008 OP92-298 STRACHAN

010C

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ST-3

The purpose of ST-3 was to take a second, closer to surface cut at the main anomaly. As for ST-1 only local short intervals of sulphide mineralization or the fault from 153.0' to 156.7' were cored that might possibly causes for the anomaly.

Rock Types Cored

- 1 (a) Mafic Volcanic - amphibole rich

This was the predominant unit cored in ST-1 & 3. It is dark green to black, fine grained, well foliated and locally weakly magnetic, and is composed of greater than 85% amphibole with the remainder being feldspar.

- 1 (b) Mafic Volcanic - amphibole & olivine

This unit was only seen in ST-1. It is light to mid greyish green, fine grained, soft & weakly to moderately magnetic. Amphibole is the main mineral constituent, but remnant olivines are obvious.

- 2 Rhyodacite Porphyry (crystal tuff)

This rock type varies from light to dark greyish green, is hard, siliceous, moderately foliated and biotitic and contains between 5 & 15% 1/16 inch (maximum) white feldspar phenocrysts.

- 3 Sediment

As seen in ST-2 this unit is highly variable and may be represented by grit (of mafic or siliceous composition), greywacke or siltstone. The more mafic members may contain up to 10% 1/16 inch garnets. Some of the quartz veins described in the sample intervals may in fact be siliceous grit.

- 4 Felsic Porphyry Dykes

The dykes are normally less than 2 feet thick, grey or orange in colour and contain approximately 20% 1/8 inch feldspar phenocrysts.



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Page 1 of 2

2W-1045-RA1

Date: OCT-06-92

Assay Certificate

Company: **JAMES BURNS**

Project:

Attn:

We hereby certify the following Assay of 52 SPLIT CORE samples submitted SEP-29-92 by :

Sample Number	Au g/tonne	Au check g/tonne	Cu PPM	NI PPM	Zn PPM
3165	Nil				
3166	0.01				
3167	0.02				
3168	0.01	0.01			
3169	Nil				
3170	Nil				
3171	Nil				
3172	Nil				
3173	Nil				
3174	0.01		228	35	126
3175	0.02		66	72	142
3176	0.02	0.02	493	58	4670
3177	0.02		486	36	985
3178	0.03		627	38	382
3179	Nil		28	87	283
3180	0.01	0.02	378	39	2130
3181	0.02		280	34	242
3182	0.01		248	35	512
3183	0.01		83	40	470
3184	Nil				
3185	Nil				
3186	Nil				
3187	Nil				
3188	Nil				
3189	Nil				
3190	Nil				
3191	Nil				
3192	Nil				
3193	Nil				
3194	Nil				

Certified by Donna Gardner



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Page 2 of 2

2W-1045-RA1

Assay Certificate

Company: **JAMES BURNS**

Project:

Attn:

Date: **OCT-06-92**

We hereby certify the following Assay of 52 SPLIT CORE samples submitted SEP-29-92 by .

Sample Number	Au g/tonne	Au check g/tonne	Cu PPM	NI PPM	Zn PPM
3195	0.01	Nil			
3196	Nil				
3197	Nil				
3198	Nil				
3199	Nil				

3200	NOT RECD				
3201	0.06				
3202	Nil				
3203	0.01				
3204	Nil				

3205	Nil				
3206	Nil	0.01			
3207	Nil				
3208	Nil				
3209	Nil				

3210	Nil				
3211	Nil				
3212	Nil	Nil			
3213	0.02				
3214	Nil				

3215	Nil				
3216	Nil				
3217	Nil				

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3344

FAX (705) 642-3300



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Assaying - Consulting - Representation

Assay Certificate

2W-1088-RA1

Company: **JAMES BURNS**

Date: **OCT-13-92**

Project:

Attn:

We hereby certify the following Assay of 1 SPLIT CORE samples submitted OCT-08-92 by .

Sample Number	Au g/tonne	Cu PPM	Zn PPM
3200	0.03	35	61

Certified by Donna Martin

HOLE N^o. 57-1
 PAGE 1 OF 3
 DEPTH 371'
 LOGGED BY J. S. Rymon

LOCATION
 COORDINATES: 600 m W 50 m S
 ELEVATION: _____
 LEVEL: _____

ACID TESTS			
0	35.3		
	-45'		
	320'		

DEPTH :
 PLUNGE :
 BEARING :

FROM	TO	DESCRIPTION	SAMPLE N ^o	FROM	TO	LENGTH	ANALYSIS	
0	0	Collared in rock.					Au	g/kms
0	1.4	Mafic volcanic: amphibolitic site sharp @ 50'						
1.4	5.2	Diorase: very fine grained, mid gray, moderate magmatic, trace py, chilled contacts						
5.2	76.3	Mafic volcanic: dark gray, fine grained, well foliated, 85% amphibole w/ K-feldspar, trace py						
	7.2 - 8.0	diorase @ 35'						
	@ 17.0	fol. @ 50'						
		15% irregular Qtz veins with epidote, calcite, and 1/4% py + po.	3211	28.5	31.3	2.8	nil	nil
		30% py + po with trace sp; possible inter-flow sediment	3212	17.7	38.0	0.3	nil	nil
		@ 57.8 0.25' Qtz vein @ 50'						
		Feil Qtz vein with epidote & garnet	3213	64.5	65.0	0.45	0.02	0.02

HOLE N^o. 57-1
 PAGE 2 OF 3
 DEPTH _____
 LOGGED BY _____

LOCATION _____
 COORDINATES: _____
 ELEVATION: _____
 LEVEL _____

DEPTH :	ACID TESTS
PLUNGE :	
BEARING :	

FROM	TO	DESCRIPTION	SAMPLE N ^o	FROM	TO	LENGTH	ANALYSIS
		etc sharp					
76.3	116.3	Mafic volcanic: light to mid green, has grained, soft, amphibolitic but with abundant olivines, weak to moderate magnetite except where such alteration strongest					
		97.2 - 104.0 strong perovine carb. alteration					
		100.4 - 101.0 fault gouge @ 45°					
		etc poorly defined					
116.3	331.0	Mafic volcanic: amphibolitic, dark green, fine to med grained, locally weakly magnetite, locally pervasively carbonated.					
		124.2 - 126.8 felsic porphyry dyke pink, 20% feldspar phenocrysts to 1/8"					
		@ 149.0 chlorite @ 45°					
		224.5 - 225.4 felsic porphyry					
		236.7 - 236.9 felsic porphyry					
		242.2 - 242.7 35% feldspar phenocrysts perovine epithermal possible in this sediment	3214	242.2	242.2	0.5'	nil

LOCATION _____
 COORDINATES: _____
 ELEVATION: _____
 LEVEL: _____

DEPTH :	PLUNGE :	BEARING :	ACID TESTS

FROM	TO	DESCRIPTION	SAMPLE N ^o	FROM	TO	LENGTH	ANALYSIS
102.9	110.0	Sediment: siliceous soil					
		2.1 py. etc broken core.	3189	103.9	110.0	6.1	nil
110.0	114.3	Rhyodacite porphyry (crystal buff)					
		2.1 py. etc sharp & broken @ 50'	3190	110.0	114.3	4.3	nil
114.3	122.9	Mafic Flow: massive					
		122.4 - 123.9 pervasive epidote alteration					
		with a trace py					
		etc sharp & irregular					
122.9	215.3	Rhyodacite porphyry (crystal buff) mid to black grey 10-15% of white feldspar phenocr, biotitic, 1-2% py average					
		1.1 py, solution @ 125' to 150'	3191	122.9	128.0	5.1	nil
		1-2% py	3192	128.0	127.0	5.0	nil
		1-2% py	3193	132.0	128.0	5.0	nil
		1.1 py, few phenocr 141-143	3194	138.0	142.0	5.0	nil
		1.1 py	3195	142.0	148.0	5.0	0.01
		1.1 py	3196	148.0	152.0	5.0	nil

LOCATION

COORDINATES: _____

ELEVATION : _____

LEVEL : _____

ACID TESTS

DEPTH :

PLUNGE :

BEARING :

FROM	TO	DESCRIPTION	SAMPLE N ^o	FROM	TO	LENGTH	ANALYSIS	
							Avg g/t	Cu (ppm)
		1/2" py	3197	152.0	152.0	5.0	nil	
		1/2" py, 6/12 @ 50°	3198	158.0	163.0	5.0	nil	
		1" py, below purple & white 164.5-164.9 @ 65°	3199	163.0	168.0	5.0	nil	
		2" py, 171-172.4 matrix volcanic	3200	168.0	173.0	5.0		35
		2" py	3201	173.0	178.0	5.0	0.06	
		2" py	3202	178.0	183.0	5.0	nil	
		2" py, @ 183 6/12 @ 50°	3203	183.0	188.0	5.0	0.01	
		2" py	3204	188.0	193.0	5.0	nil	
		1" py	3205	193.0	198.0	5.0	nil	
		1" py	3206	198.0	203.0	5.0	nil	
		1" py	3207	203.0	208.0	5.0	nil	
		1" py, @ 213 6/12 @ 55°	3208	208.0	213.3	7.3	nil	
		1" py, site sharp @ 60°						
215.3	220.3	Matrix volcanic: mid to dark green, massive, fine grained, 5% carb fractures						
		219.1-220.3 201 grs veins with bariumline site @ 40°	7209	215.7	220.3	5.0	nil	
220.3	221.0	Rhyolitic Porphyry (consult staff) site @ 220.3-222.1	3210	220.7	221.0	2.7	nil	
	223.0	F.O.H.						

HOLE N^o. ST-3
 PAGE 1 OF 2
 DEPTH 169'
 LOGGED BY J.G. Burns

LOCATION
 COORDINATES: 600 W 0/L
 ELEVATION : _____
 LEVEL : _____

ACID TESTS	
DEPTH :	0 169'
PLUNGE :	-50° -45°
BEARING :	000 000

FROM	TO	DESCRIPTION	SAMPLE N ^o	FROM	TO	LENGTH	A _w g/t	ANALYSIS
0	270	Overburden						
270	1690	Basalt: dark green, fine grained, foliated; > 85% amphibole with 15% feldspar and minor kaeserine; local sulphide patches may represent flow margins.						
		@ 45' foliation @ 45°						
		48.0 - 48.7 0.45' gr. vein at 20° with chlorite margin; to py in vein.	3165	48.0	48.7	0.7	nil	
		tr py	3166	48.7	49.6	0.9	0.01	
		epidote + garnet @ 40° with 7% py + po	3167	49.6	50.5	0.9	0.02	
		epidote chlorite alteration with 5% py	3168	56.0	56.5	0.5	0.01	
		66.9 - 67.2 lamprophyic dyke @ 50°; dark brassic grey, weakly magnetic, sol. + olivine, strong percolative carbonate						
		73.0 - 74.5 felsic intrusion dyke; greyish orange, sol. 1/8" feldspar phenos.						

LOCATION _____

COORDINATES: _____

ELEVATION: _____

LEVEL: _____

ACID TESTS

DEPTH: _____

PLUNGE: _____

BEARING: _____

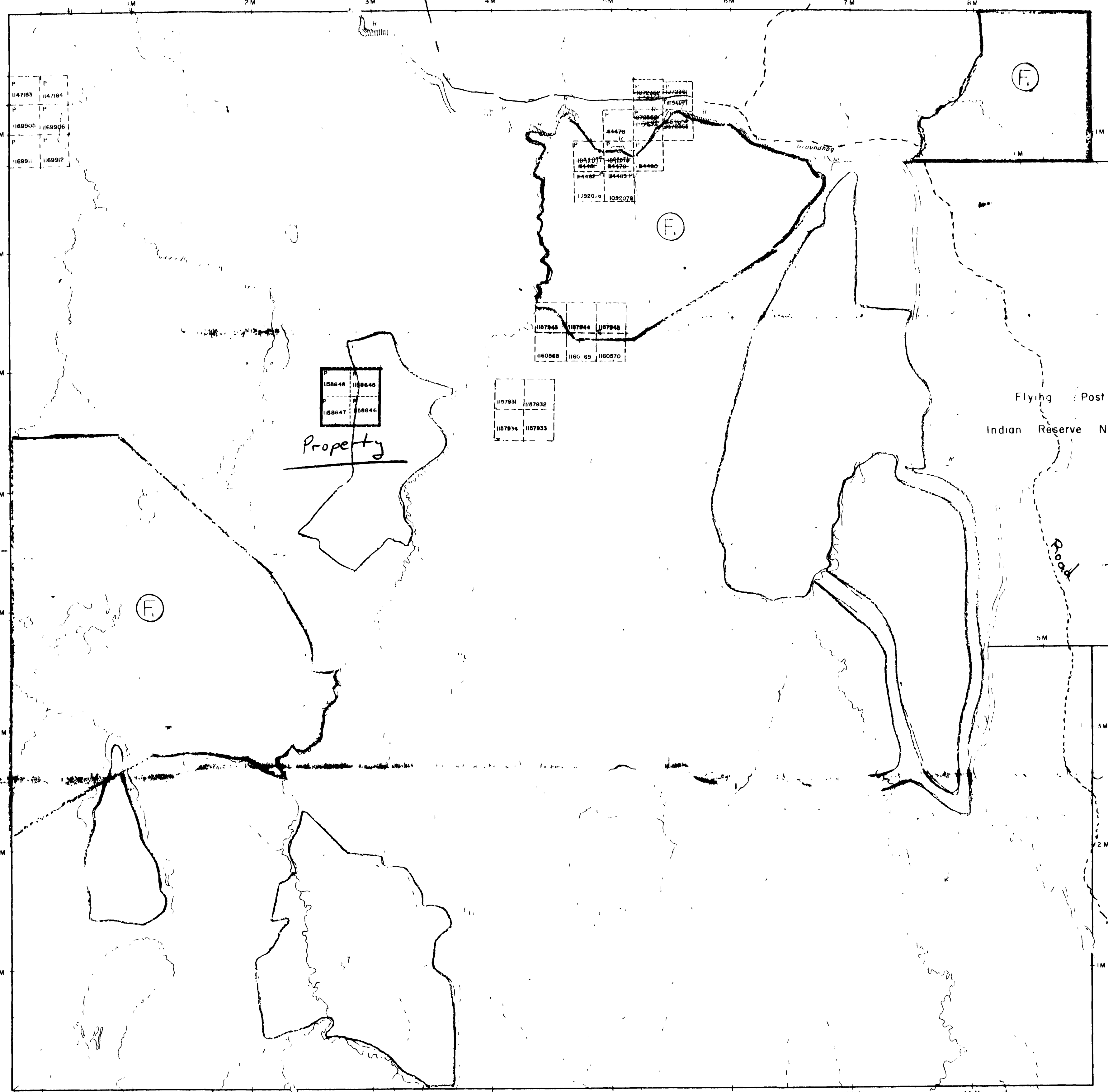
FROM	TO	DESCRIPTION	SAMPLE N ^o	FROM	TO	LENGTH	g/t Au	ANALYSIS
		@ ~ 90.0' colour change to light greyish green, increases in felsic content						
		@ 97.5' 0.1' gouge and broken rock						
		@ 102.4 fracture zone @ 25°						
		@ 118.0 foliation @ 48°						
		139.3 - 140.75 felsic porphyry dyke @ 60°						
		2% py in coarse 1/8" calc. steep foliation	3169	140.75	143.0	2.25'	nil	
		1% py	3170	143.0	146.5'	3.5'	nil	
		orange qtz vein, fractured	3171	146.5'	147.0	0.5'	nil	
		strongly foliated, 1% py	3172	147.0	153.0	6.0	nil	
		fault: badly broken zone mx of mafic volcanics	3217	153.0	156.7	3.7	nil	
	 qtz vein + felsic porphyry						
		166.2 - 167.3 felsic porphyry dyke						
		169.0 ECH						

SP11-1142
PWT
NAHCA825
SP11-1142

Montcalm Twp M-872

Nova Twp. M-1030

Enid Twp. M-788



Oswald Twp. M-1042

Melrose Twp. M-861

THE TOWNSHIP OF STRACHAN

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	CS
LEASES	Ⓛ
LOCATED LAND	Loc
LICENSE OF OCCUPATION	LO
MINING RIGHTS ONLY	MRO
SURFACE RIGHTS ONLY	SRO
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—

NOTES

400' Surface Rights Reservation around all lakes & rivers

Ⓟ THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1990. FURTHER INFORMATION AVAILABLE ON FILE.

MAR 6 1990

Rec. Est. 1142

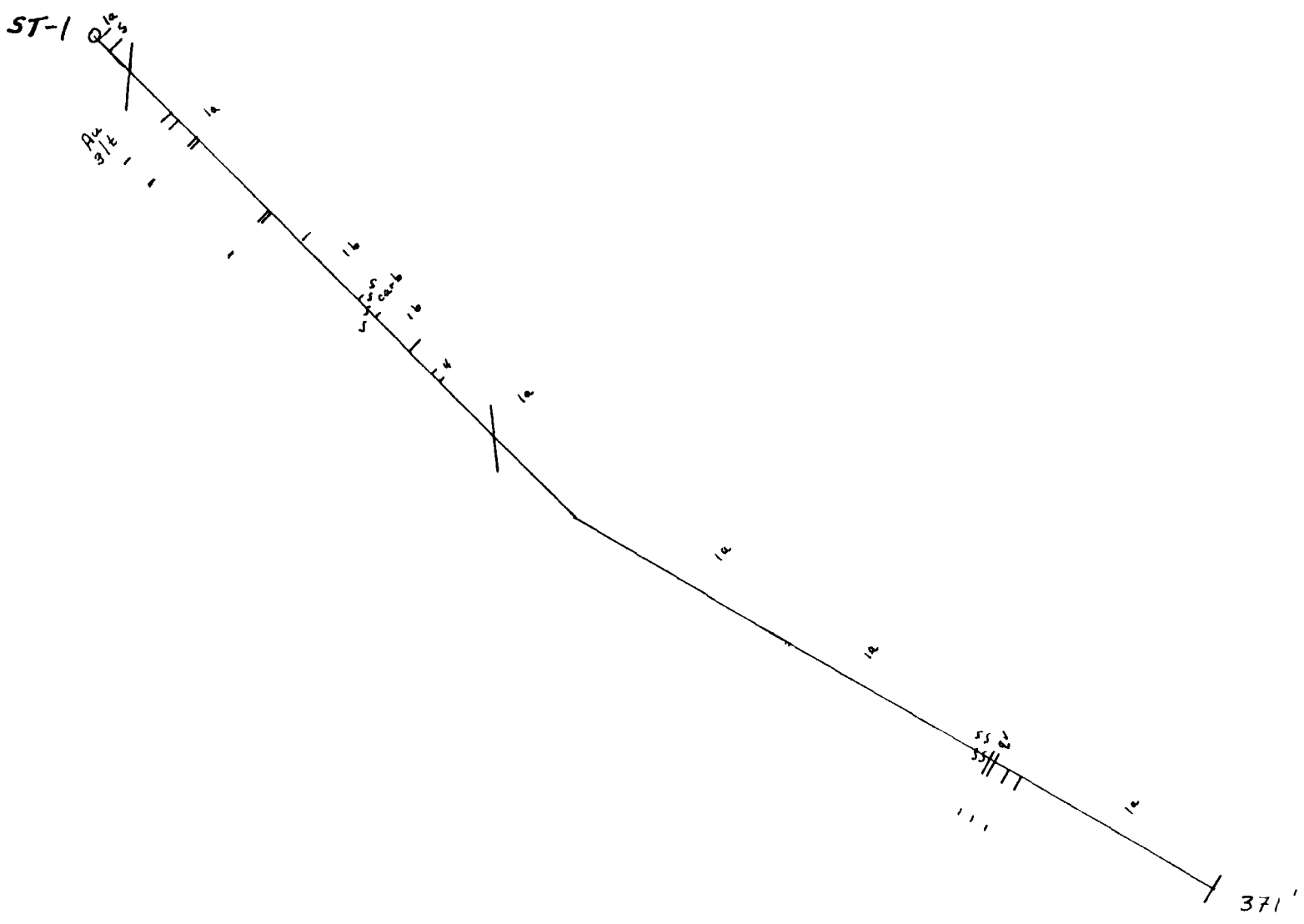
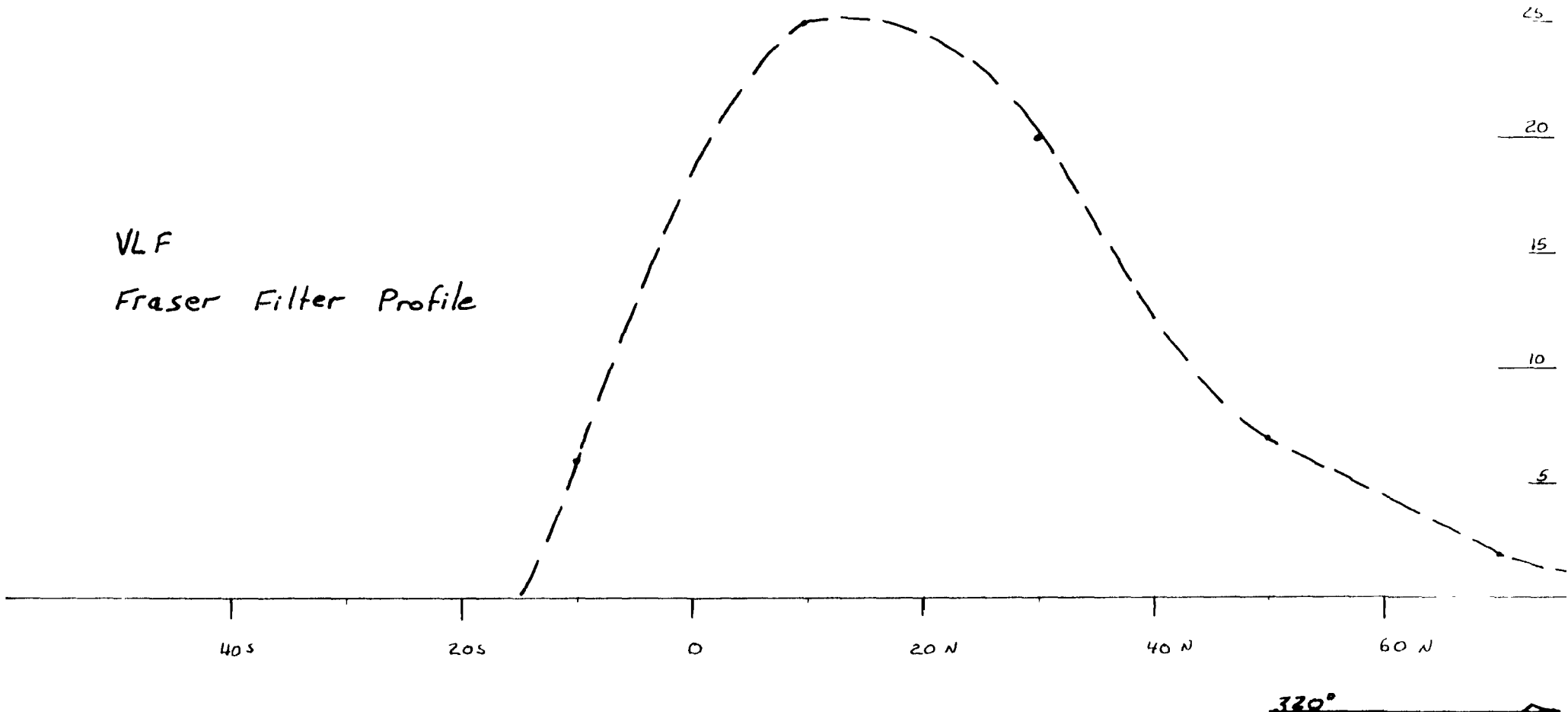
PLAN NO. M-1142

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



VLF
Fraser Filter Profile

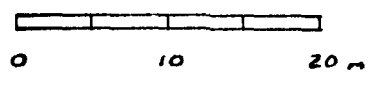


- 5 Diabase
- 4 Felsic Porphyry Dykes
- 3 Sediments: grit, greywacke, siltstone
- 2 Rhyodacite Porphyry (crystal tuff)
- 1 Mafic Volcanic
 - a) amphibole rich
 - b) amphibole + olivine

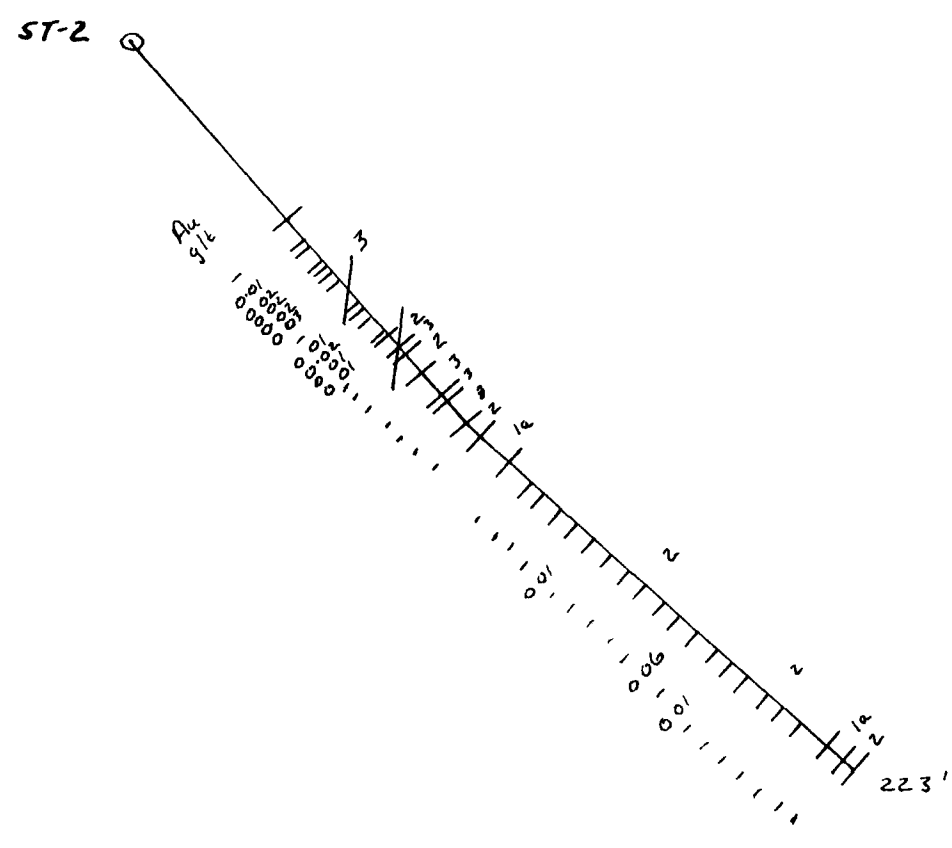
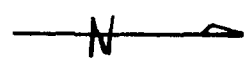
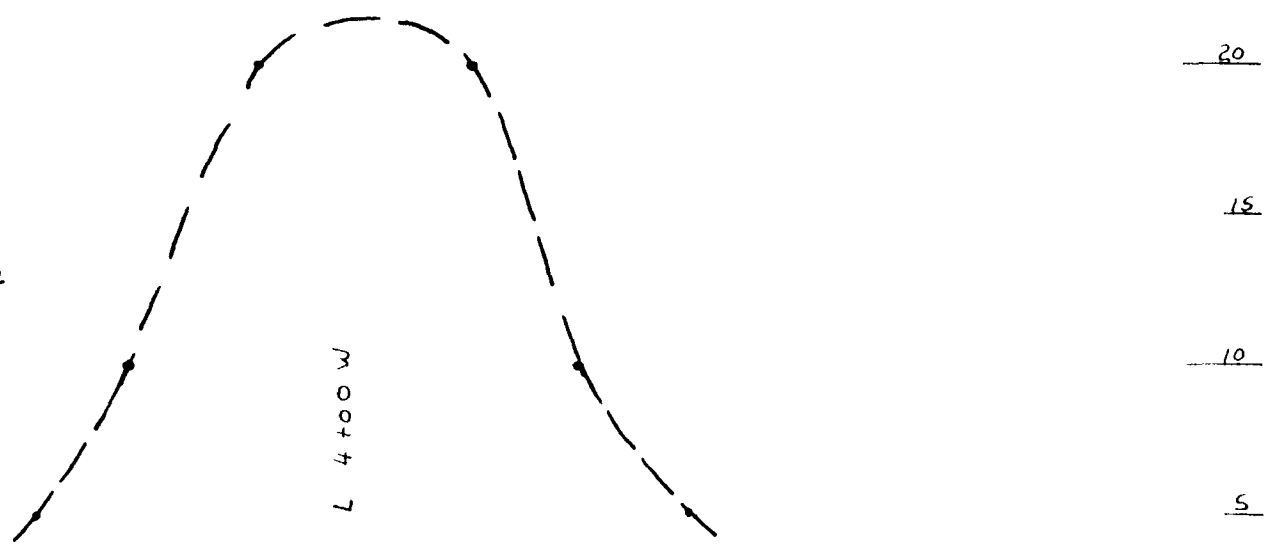
Figure 2

DDH ST-1

1:500



VLF
Fraser Filter Profile

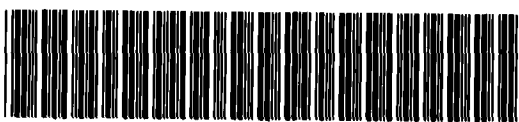
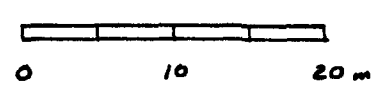


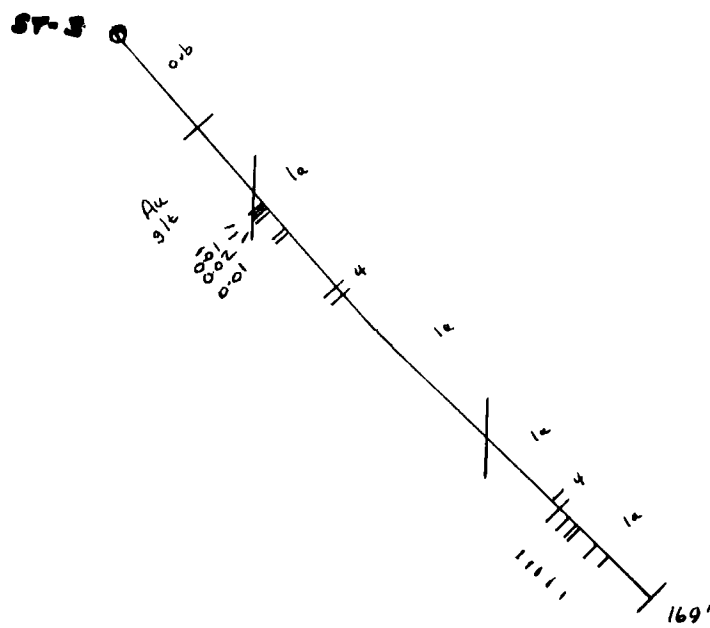
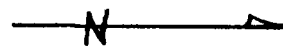
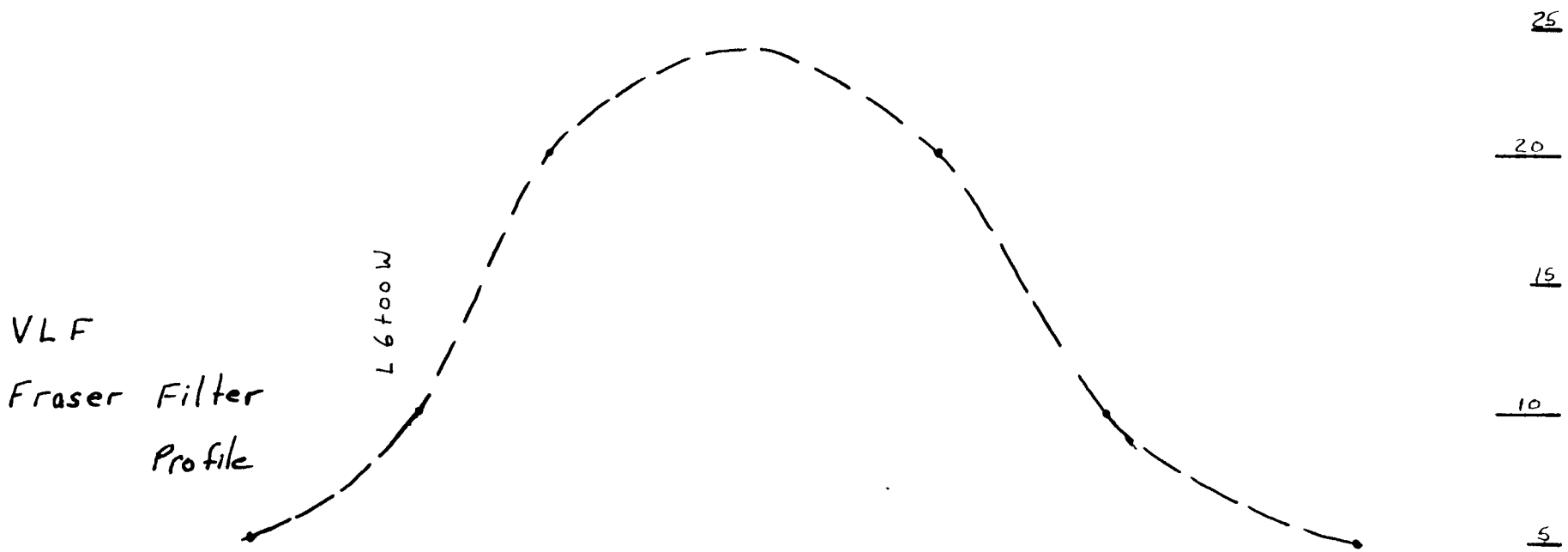
- 5 Diabase
- 4 Felsic Porphyry Dykes
- 3 Sediments: grit, greywacke, siltstone
- 2 Rhyodacite Porphyry (crystal tuff)
- 1 Mafic Volcanic
 - a) amphibole rich
 - b) amphibole + olivine

Figure 3

DDH ST-2

1:500



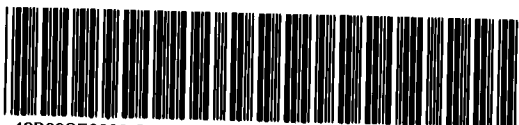
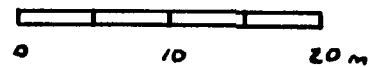


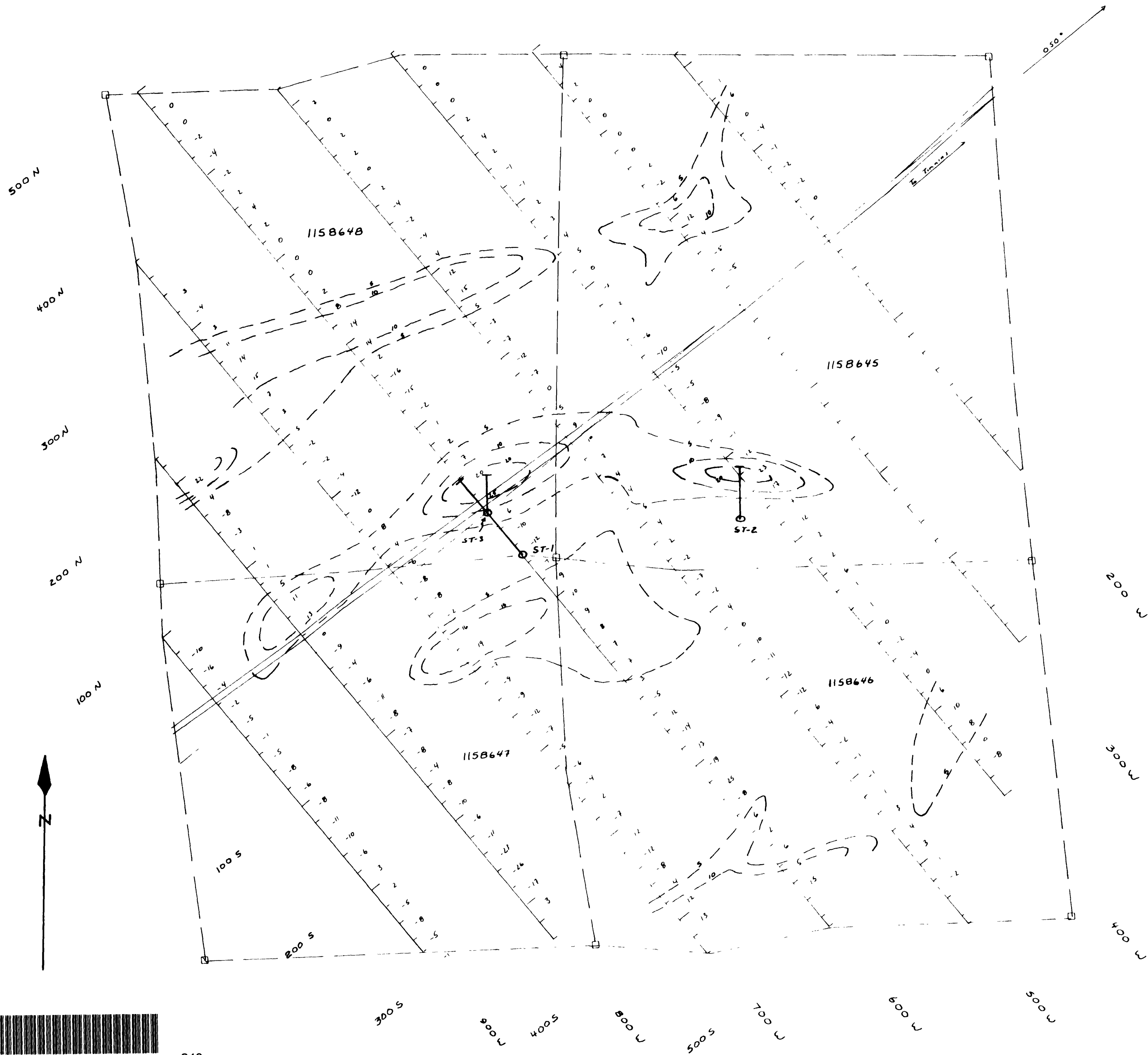
- 5 Diabase
- 4 Felsic Porphyry Dykes
- 3 Sediments: grit, greywacke, siltstone
- 2 Rhyodacite Porphyry (crystal tuff)
- 1 Mafic Volcanic
 - a) amphibole rich
 - b) amphibole + olivine

Figure 4

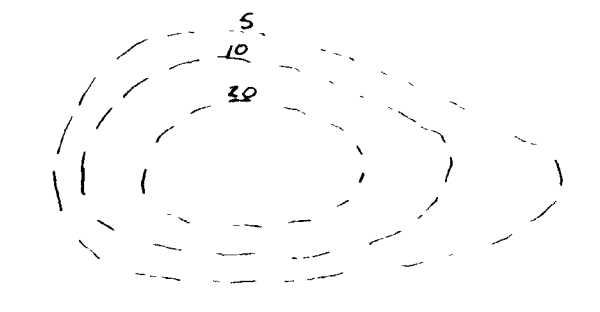
DDH ST-3

1:500





LEGEND



Contours 5, 10, 20, etc

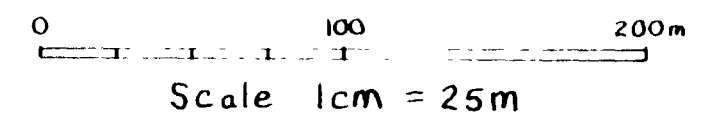


Figure 1

J. G. BURNS	
STRACHAN TWP CLAIMS 42 B/9	
VLF FILTERED IN-PHASE CONTOURS	
October 1991	E.I.C. No. 2386
1:2500	



42B09SE0008 OP92 298 STRACHAN