



WELCOME NORTH MINES LTD. (N.P.L.)

1027-470 Granville St., Vancouver, B.C. V6C 1V5 Telephone (604) 687-1658

REPORT ON

DIAMOND DRILLING PROGRAMME

ON THE DEV MINERAL CLAIMS

WHITEHORSE MINING DISTRICT

N.T.S. 105K-3

Latitude 62°10'N

Longitude 133°30'W

Work Carried Out During the Period Sept. 12 - September 24, 1977

Vancouver, B.C.
May, 1978

Graham H. Scott



091226

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INTRODUCTION

The DEV mineral claims, comprising a total of 83 claims, were staked in July, 1977 by Welcome North Mines Ltd. (N.P.L.) and recorded August 11, 1977. Welcome North Mines Ltd. is the Operator of a joint venture programme with Getty Mining Pacific. Getty holds a 60% working interest in the DEV claims and Welcome North a 40% carried interest.

Welcome North drilled two short X-Ray diamond drill holes on the Mag showing at the southeastern end of the DEV group during August, 1977.

MINERAL CLAIMS

The DEV group consists of 83 mineral claims located in the Whitehorse Mining District of the Yukon Territory (Fig. 1). The present report covers diamond drilling carried out on claim DEV 75. The claim is included in DEV Group #1 comprising the following claims:

<u>CLAIM NAME</u>	<u>GRANT NUMBER</u>	<u>RECORDING DATE</u>
DEV 33-38 inc.	YA19623-YA19628	August 11, 1977
DEV 73-80 inc.	YA19663-YA19670	August 11, 1977
DEV 82-83 inc.	YA19672-YA19673	August 11, 1977

LOCATION AND ACCESS

The DEV mineral claims (N.T.S. 105K) are located in the Whitehorse Mining Division approximately 6 miles southwest of the town of Faro. The claim group at 62°10'N, 133°30'W straddles the Magundy River for a length of approximately 5 miles. The Robert Campbell Highway traverses three claims to the northwest of the claim group (Fig. 2).

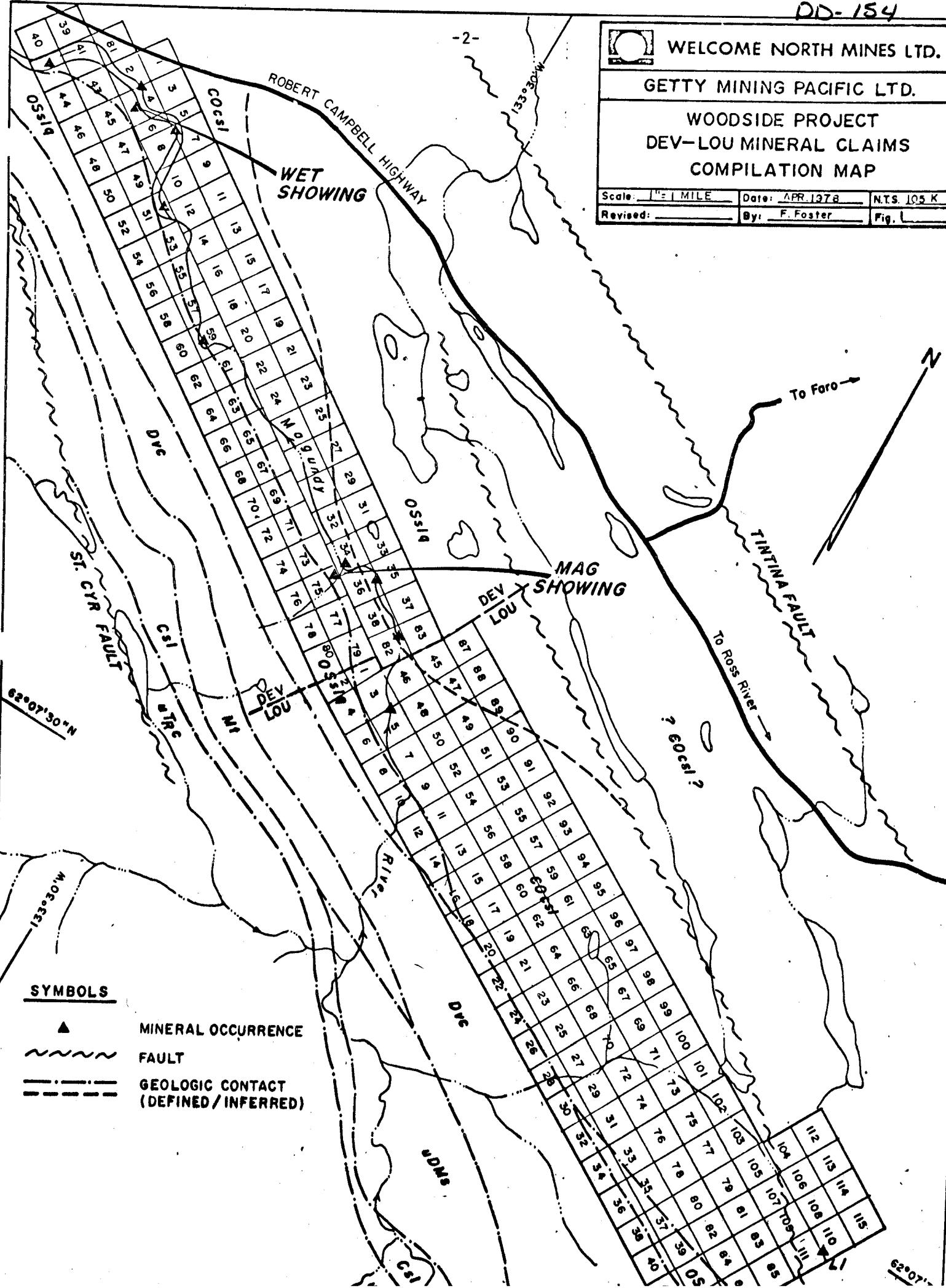


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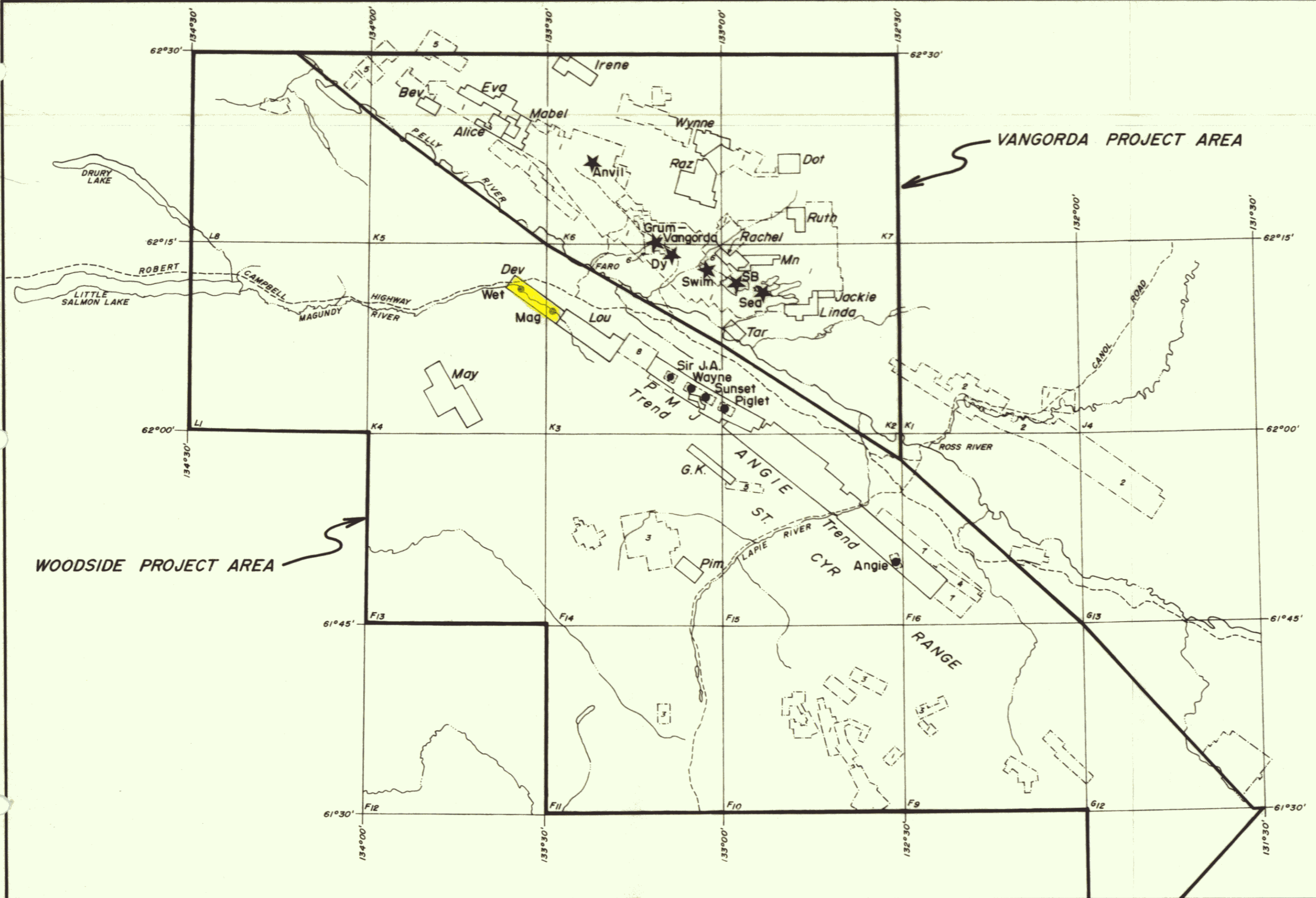
WOODSIDE PROJECT
DEV-LOU MINERAL CLAIMS
COMPILATION MAP

Scale: 1" = 1 MILE Date: APR 1978 N.T.S. 105 K
Revised: By: F. Foster Fig. 1



SYMBOLS

-  MINERAL OCCURRENCE
-  FAULT
-  GEOLOGIC CONTACT (DEFINED/INFERRED)



LEGEND

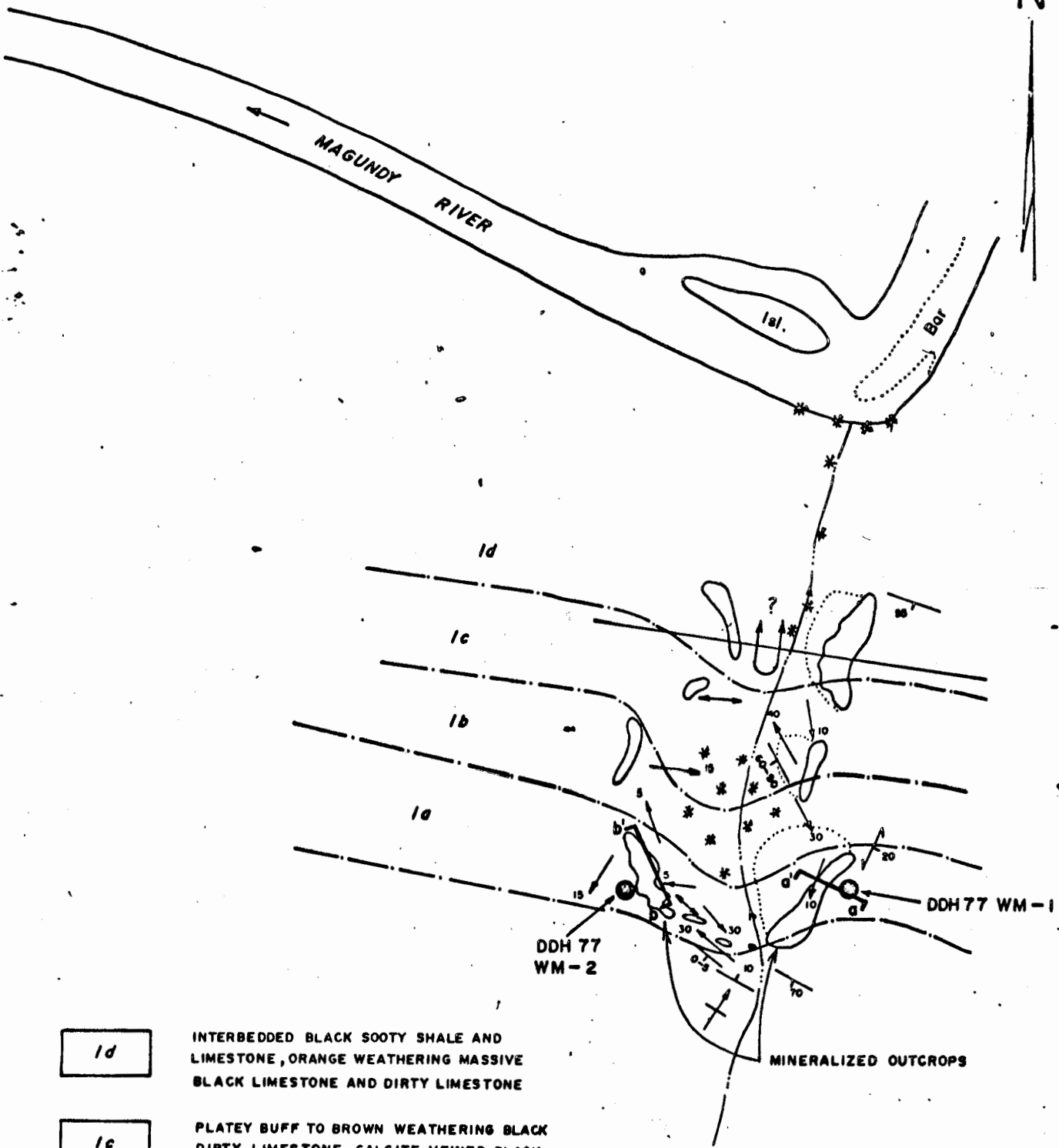
- Massive Sulphide Deposit ★
- Mineral Occurrence ●
- River, Creek ———
- Highway - - - - -
- Claims:
- Getty Mining Pacific -
Welcome North Mines []
- Cyprus Anvil Mining [1]
- Du Pont of Canada [2]
- Utah Mines [3]
- Cominco [4]
- Amax Potash [5]
- Kerr Addison Mines [6]
- St. Joseph Exploration [7]
- Brendex Resources [8]
- Misc. Other []

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PROJECT AREA & PROPERTY LOCATIONS

Scale: 1" = 8 miles Date: Feb. 1978 NTS 105
 Revised: _____ By: _____ Fig. 2

N



1d

INTERBEDDED BLACK SOOTY SHALE AND LIMESTONE, ORANGE WEATHERING MASSIVE BLACK LIMESTONE AND DIRTY LIMESTONE

1c

PLATEY BUFF TO BROWN WEATHERING BLACK DIRTY LIMESTONE, CALCITE VEINED BLACK CRYSTALLINE LIMESTONE.

1a,b

MASSIVE AND THIN BEDDED SIDERITE 1a, MUDSTONE WITH SIDERITE, CHERT AND ANKERITE BEDS. CONTAIN LEAD AND ZINC.

*

MINERALIZED FLOAT

NOTE: For location, see Fig 3

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WOODSIDE PROJECT DEV CLAIMS		
MAG Showing - Plan View		
SCALE 1" = 200'	DATE AUG. 1977	NTS 105 K/4
BY F. FOSTER	REVISED	FIG. 4

The drilling undertaken in the 1977 field season was located on claim DEV 75 at the southeastern end of the claim block, and access was by helicopter from Faro.

DIAMOND DRILLING

Diamond Drill Holes 77WM-1 and 77WM-2 were drilled within 300 feet of the Mag showings (Fig. 3 and 4), the details being summarized below:

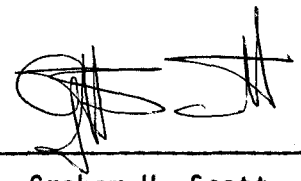
<u>HOLE NUMBER</u>	<u>LOCATION</u>	<u>DIP</u>	<u>DEPTH (ft.)</u>
77WM-1	DEV 75	-90°	91
77WM-2	DEV 75	-90°	<u>72</u>
			163

Fig. 5 and 6 are profiles of 77WM-1 and 77WM-2 respectively, the geologic log and geochemical results being shown graphically.

Appendix I comprises the geologic log of both of the holes drilled.

All the core was used for assay purposes, with the exception of several hand specimens which are in Welcome North's Vancouver office.

Respectfully submitted,



Graham H. Scott

APPENDIX I

GEOLOGIC LOGS OF DDH 77WM-1, 77WM-2



Collar:		Hole Survey		
NORTH		Footage	Azimuth	Dip
EAST		0		-90°
ELEVATION				
LOGGED BY	F. Foster	91.2	EOH	
DATE LOGGED	Sept. 24/77			
MAP REFERENCE	105K-3	Method:		

PROJECT WOODSIDE
 PROPERTY NAME DEV GROUP - MAG SHOWING
 DRILLING CONTRACTOR MARTINSON BROS
 ASSAYER _____
 PURPOSE OF HOLE BEDROCK TESTING

HOLE NO. 77WH-1
 CLAIM NAME DEV 75
 COMMENCED _____
 FINISHED _____

From	To	Rcvy %		Sample				Assays		Visual Log	Min
				From	To	Width	No.	Zn %	Pb %		
0	9.4		OVERBURDEN								
9.4	25.9	45	ARGILLITE								
			Badly broken core. Thinly bedded (laminations up to 1/8") black and brown fine-grained argillite. Some calcareous partings. Ankeritic quartz sweats and veins occur at 13', 25'								
25.9	28.5	38	BRECCIA?								
			Core very badly broken. Fragments of core composed of hydrothermal quartz, CO ₂ and possibly siderite. Some fragments show fragments of argillite in quartz.								
			Mineralization:								
			Sulfides of olive green colour - sphalerite? Occur as blebs in siliceous matrix.								
28.5	31.4	20	SIDERITE								
			Broken core. Pale orange-brown massive siderite containing fragments of sphalerite (olive green) and very fine grained flecks of chalcopyrite(?). Some quartz and calcite filling interstices of siderite. Siderite does not appear bedded on a finer scale but appears almost like some replacement has taken place.								
31.4	39.1	20	INTERBEDDED CHERY ARGILLITE AND SIDERITE								
			Core badly broken. Fragments of fissile dark grey argillite with phyllitic partings and veiny more massive fragments of siderite. The veiny appearance is due to the quartz which appears to have crackled the siderite a great deal and to a lesser extent has crackled the argillite.								

DD-154



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DIAMOND DRILL LOG

DEV GROUP-
MAG SHOWING

PROPERTY _____
HOLE NO. 77WM-1

LOGGED BY F. Foster

DATE Sept. 24/77

From	To	Rcvy %	Description	Sample				Assays				Visual Log	MIN	
				From	To	Width	No.	Zn%	Pb%					
			Mineralization: Fine flecks of chalcopyrite (?) occur in the siderite bands.											
39.11	53.6	20	SIDERITE											
			Broken core but fragments of larger size. Massive orange-brown siderite containing minor interstitial quartz and calcite and minor disseminated very fine grained pyrite.											
			Mineralization: Sparse disseminations of pyrite (?) and anastomizing, almost dendritic growths of dark greenish grey sulfide (manganese?)											
53.6	62.0	30	MANGANIFEROUS SIDERITIC PHYLLITE											
			Core fragments quite massive. Dark brown grey, manganiferous altered argillite. Rock highly contorted. Thin (1/32") laminations of light brown mudstone and dark brown argillite. Veins of siderite cut beds and meander throughout core. Brecciation in some areas with siderite filling the interstices.											
			Mineralization: Fine-grained disseminations of pyrite which sometimes cluster into irregular blebs. Pyrite occurs in both siderite and in phyllite.											
62	72.4	30	SIDERITE											
			Broken core. Massive orange siderite with occasional black contorted phyllite partings and fragments of dark grey argillite.											
			Mineralization: Interstitial sparse disseminations of galena, sphalerite and pyrite.											
72.4	91.2	16	BLACK SHALE AND ARGILLITE											
			Broken core. Platy; sometimes sooty shale and black grey argillite, sometimes crackled and fragments floating in ankeritic quartz.											
			END OF HOLE											

DD-154



Collar:	Hole Survey			
	NORTH _____	Footage	Azimuth	Dip
	EAST _____	0		-90°
	ELEVATION _____			
	LOGGED BY <u>E. Foster</u>			
DATE LOGGED <u>Sept. 24/77</u>	72	EQH		
MAP REFERENCE <u>105K-3</u>	Method:			

PROJECT WOODSIDE
 PROPERTY NAME DEV GROUP - MAG SHOWING
 DRILLING CONTRACTOR MARTINSON BROS.
 ASSAYER _____
 PURPOSE OF HOLE BEDROCK TESTING

HOLE NO. 77WH-2
 CLAIM NAME DEV 75
 COMMENCED _____
 FINISHED _____

From	To	Rcvy %		Sample				Assays		Visual Log	Min.
				From	To	Width	No.	Zn %	Pb %		
0	10		OVERBURDEN								
10	29.11	14	ARGILLITE Core very badly broken. Fragments consist of dark grey weakly laminated massive argillite. Ankeritic quartz veining.								
29.11	52.4	22	SIDERITE Massive orange siderite, slightly crackled. Network of quartz veinlets. Locally, at 37' and 47', siderite contains angular and subangular fragments of dark grey argillite and quartz development is more pervasive here. Mineralization: Galena, pyrite, chalcopyrite and sphalerite present. Galena, pyrite, and sometimes chalcopyrite found at junctures of quartz veinlets. Galena also forms interstitial blebs and blades (crystal aggregates) in the siderite. Sphalerite seen as blebs, sometimes along veinlets of quartz.								
52.4	57	25	SIDERITE BRECCIA Broken core. Grey argillite fragments floating in siderite matrix. Matrix varies from 50% to point where rock appears only crackled. Later quartz veins up to 1/4" thick cut both siderite matrix and argillite fragments. Quartz sometimes forms "sweats" in the rock, assimilating siderite and argillite. Mineralization: Fine disseminations of pyrite and minor galena. Hosted in both veinlets and siderite.								

DD-154

APPENDIX II

STATEMENT OF COSTS



WELCOME NORTH MINES LTD. (N.P.L.)
1027 - 470 Granville St., Vancouver, B.C. V6C 1V5 Telephone (604) 687-1658

STATEMENT OF COSTS

163 feet of X-Ray Diamond Drilling

by Martinson Bros.

\$2,366.00

=====



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1027-470 Granville St., Vancouver, B.C. V6C 1V5 Telephone (604) 687-1658

AFFIDAVIT SUPPORTING SUMMARY OF COSTS

I, GRAHAM H. SCOTT, GEOLOGIST Welcome North Mines Ltd.
N.P.L.) of Vancouver, British Columbia, do hereby state that,
to the best of my knowledge and belief, the Statement of Costs
presented in this report "REPORT ON DIAMOND DRILLING PROGRAMME
ON THE DEV MINERAL CLAIMS" are both correct and true.

Graham H. Scott

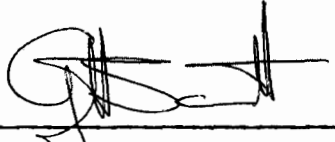
SWORN BEFORE ME at Vancouver
British Columbia this 8th
day of June, 1978.

A Notary Public in and for the
Province of British Columbia.

CERTIFICATE

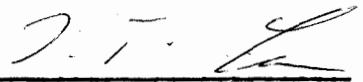
I, Graham H. Scott of 10271 Swinton Crescent, Richmond, British Columbia,
DO HEREBY CERTIFY THAT:

- 1. I am a geologist with business office at 1027 - 470 Granville Street. Vancouver, B.C.
- 2. I am a graduate in geology from the University of London (King's College, B.Sc (Special) 1968).
- 3. I am a graduate in geology from the State University of New York at Buffalo (M.A., 1970).
- 4. I have practiced my profession as a geologist for seven years.
- 5. To the best of my knowledge and belief the Statement of Costs presented in this report on the DEV 33-38, 73-80, 82-83 mineral claims is both correct and true.

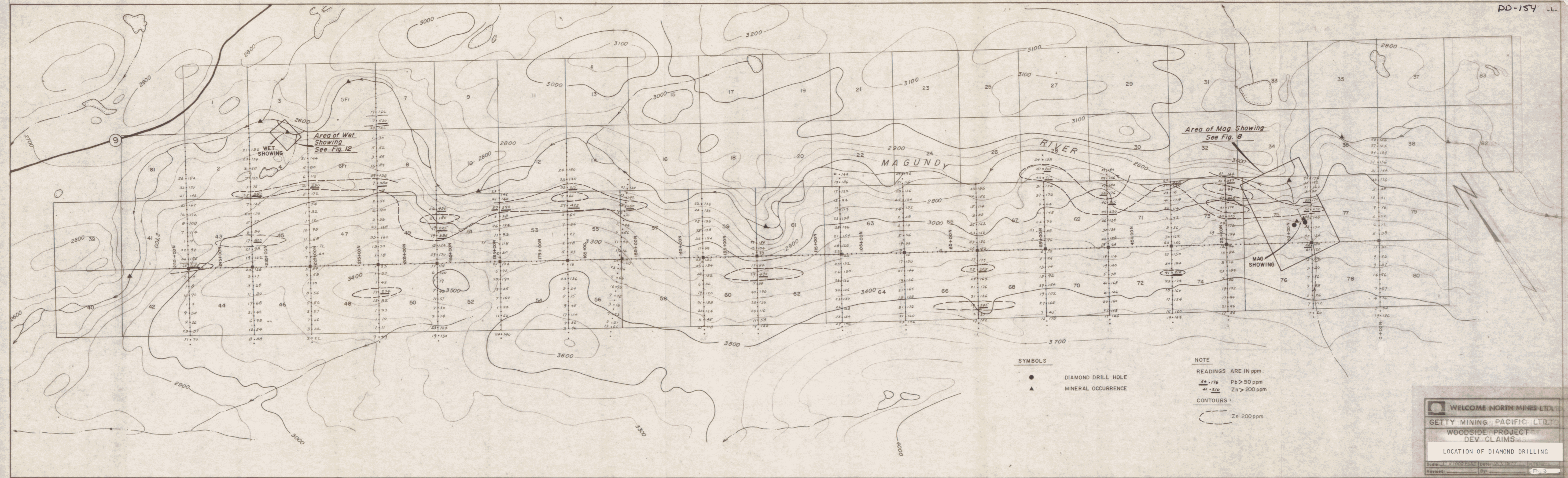


Graham H. Scott

SWORN BEFORE ME at the City
of Vancouver, in the Province
of British Columbia, this
8th day of June, 1978.



A Notary in and for the Province
of British Columbia.



WELCOME NORTH MINES LTD.

GETTY MINING PACIFIC LTD.

WOODSIDE PROJECT

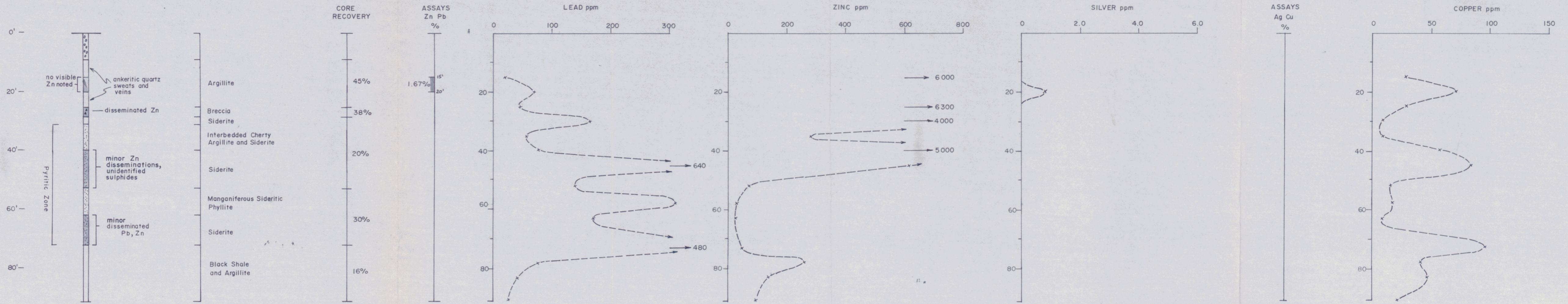
DEV. CLAIMS

LOCATION OF DIAMOND DRILLING

Scale: 1" = 1000 FEET Date: OCT. 1977

Revised: By: Fig. 3

DEPTH: 91 feet DIP: -90°



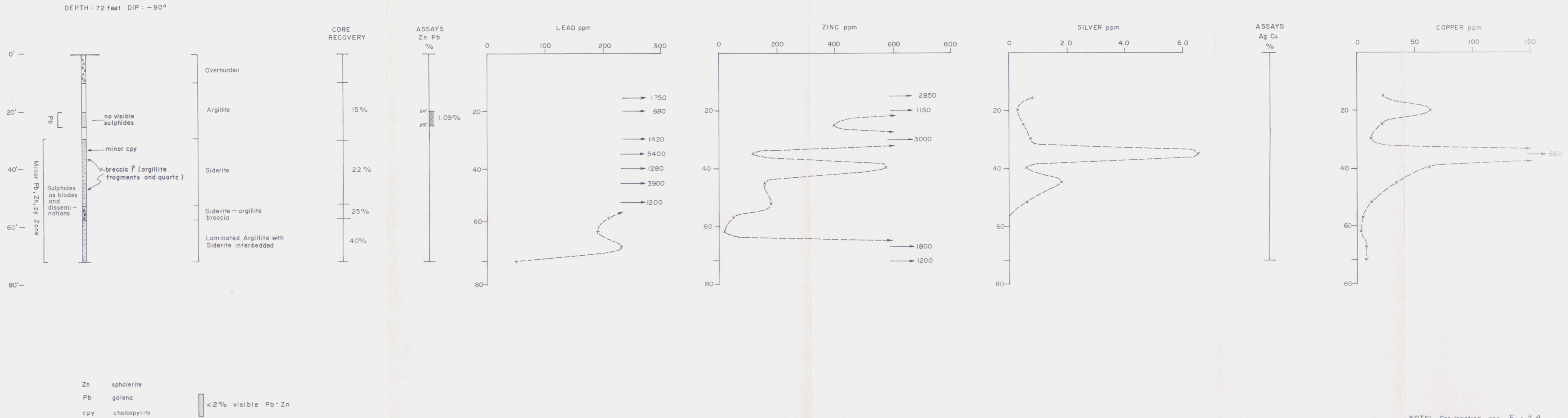
Zn sphalerite
 Pb galena
 py pyrite
 po pyrrhotite
 mt magnetite

<2% visible Pb-Zn
 py, po, mt disseminations

NOTE: For location, see Figs. 3,4

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 WOODSIDE PROJECT
 DEV CLAIMS
 DIAMOND DRILL HOLE 77 WM-1
 PROFILE

Scale: 1" = 20 FEET Date: NOV. 1977 NTS. 105 K/A
 Revised: F. FOSTER By: E. F. Fig. 5



NOTE: For location, see Figs 3, 4

WELCOME NORTH MINES LTD.
GETTY MINING PACIFIC LTD.
 WOODSIDE PROJECT
 DEV MINERAL CLAIMS
 DIAMOND DRILL HOLE 77 WM-2
 PROFILE

Scale: 1" = 20 FEET Date: NOV. 1977 NTS 105 K/4
 Revised: F. FOSTER By: E. F. Fig. 6