



P. O. Box 269
Watson Lake, Yukon
Y0A 1C0

23 November, 1981



Your file *Votre référence*

Our file *Notre référence*

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining
Recorder

RESTRICTED

Enclosed is a Diamond Drill report submitted by Amax of Canada for assessment on the Wolf 32 mineral claim located on claim sheet 105-B-9.

Total credit requested is \$400.00. Drilling was done on Wolf 25 (WC-81-122m.) and drill core is being stored at the drill site.

Yours truly,

Patti L. McLeod
Mining Recorder
Watson Lake Mining District

PLM/pj
encl.
cc:Regional Geologist

090903

1981 Diamond Drilling
Assessment Report



TITLE Wolf Claims
CLAIMS WOLF 1-52
COMMODITY Pb, Zn, Cu, Ag

LOCATED 95 kilometres northwest of Watson
Lake, Yukon Territory
Latitude 60°33'N Longitude 130°02'W
Watson Lake Mining District 105/09E

BY D.J. Gregory
FOR AMAX of Canada Limited
WORK PERIOD November, 1981

AMAX VANCOUVER OFFICE

090903



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ILLUSTRATIONS

Figure 1 - Location Map-----1:250,000--after page 2
 2 - Location of Diamond Drill Holes-1:10,000--in pocket
 2a - Diamond Drill Hole WC-81-3-----1:1,000--after page 4

SUMMARY

This assessment report presents results of a diamond drilling program conducted from July 4-6, 1981 on the Wolf group of claims, 93 kilometres northwest of Watson Lake, Y.T. The property consists of 52 claims and is an AMAX option from Regional Resources Ltd. Program funding was provided by Procan Exploration Company.

Diamond drill hole WC-81-3, drilled on the Wolf 25 claim to a depth of 122 metres at azimuth 220°, -60° dip, encountered mainly phyllite/argillite/quartzite with garnet-mica schist. The best mineralized section was two metres of .09% Pb, .375% Zn and .8 ppm Ag at 88 metres. The core is stored at the drill hole location.

The amount of \$400.00 from the direct drilling costs of \$12,304.80 (see invoice) for hole WC-81-3 is applied as assessment to the Wolf #32 claim, for four years.

INTRODUCTION

General Statement

This assessment report presents results of a 122 metre diamond drill hole, conducted on the Wolf 25 claim, Yukon Territory, from July 4-6, 1981. The work was performed by AMAX under an option from Regional Resources Ltd., funded by Procan Exploration Company.

Location and Access

The property is located 93 kilometres northwest of Watson Lake, Yukon Territory (Figure 1) at latitude 60°33'N and longitude 130°02'W, and approximately 32 kilometres due north of the closest point on the Alaska Highway. The property lies within the Watson Lake Mining District. Access to the property is by helicopter only.

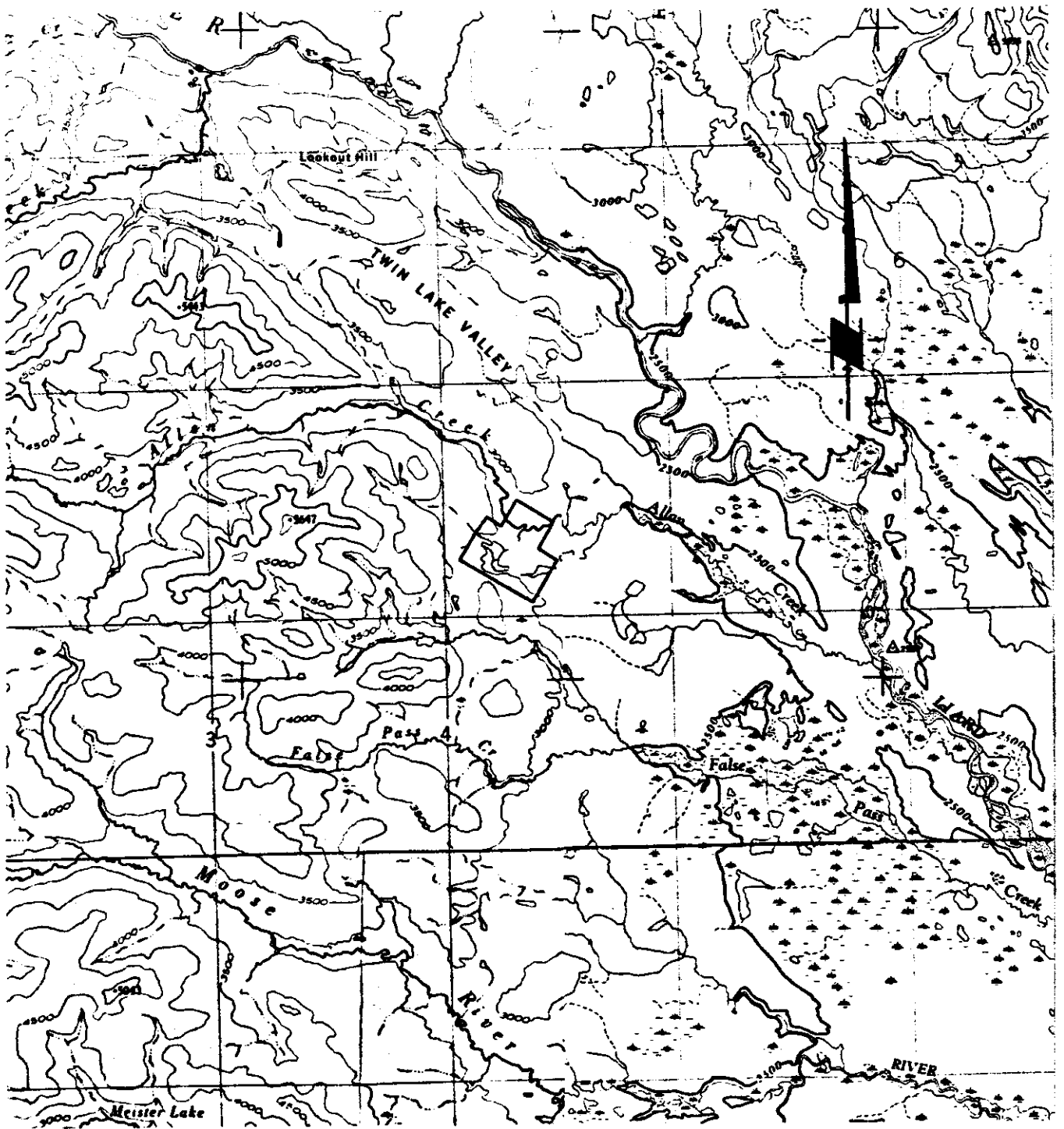
Claims and Underlying Agreements

The property consists of 52 contiguous claims (Figure 2) at the eastern edge of map sheet 105 B/09 E. The claims were staked by Cordilleran Engineering in 1979 and were placed under option to AMAX in 1980. The 1981 program was funded under an agreement with Procan Exploration Company.

Mineral Claims

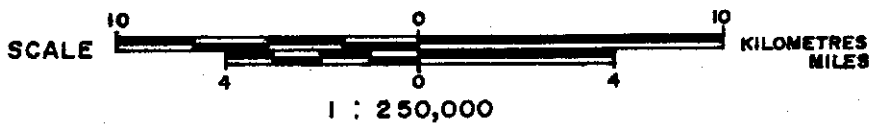
<u>Claim Name</u>	<u>Record Number</u>	<u>Due Date</u>
Wolf 1-31	YA 45487-YA 45517	December 31, 1987
Wolf 32	YA 45518	December 31, 1983
Wolf 33-46	YA 45519-YA 45532	December 31, 1987
Wolf 47-50	YA 46137-YA 46140	December 31, 1987
Wolf 51, 52	YA 45701-YA 45702	December 31, 1987

(prior to application of work covered in this report)



AMAX OF CANADA LIMITED
WOLF PROPERTY
WOLF CLAIMS
 WATSON LAKE MINING DISTRICT-YUKON TERRITORY

LOCATION MAP



N.T.S. Ref. 105 B 9

Physiography

The property is underlain by rolling hills, with elevations ranging from 790 to 1,000 metres, which are cut locally by steep walled creeks. Forest cover is complete, with generally open pine stands. Creek bottoms and several swamps have spruce, tamarack, birch and alder trees. Surficial geology consists of glacial moraine material on the hills up to 15 metres deep and alluvial deposits in the creeks up to 20 metres deep.

1981 DRILL PROGRAMGeneral Statement

A 122 metre hole was drilled on the Wolf #25 claim at -60° , azimuth 220° from July 4-6, 1981 (Figure 2). The hole was spotted at Line 225E + Base Line, 230 metres southwest of the discovery showing on the property. The location coincided with a lead/zinc geochemical anomaly, and a moderate IP anomaly at depth.

WC-81-3

The hole (Figure 2a) intersected mainly phyllite/argillite/quartzite interbanded with minor schist horizons. Garnet/mica schist was prominent only in the top 30 metres of the hole.

Mineralization consisted of less than trace pyrite throughout the hole, with little or no pyrite visible in the schist sections. Traces of galena, sphalerite and siderite occurred in several quartz veins. Massive tourmaline occurred at the tops of generally barren quartz bands (>50 centimetres), and was not associated with any other visible mineralization.

The best mineralization was at 88 and 90 metres with analyses of .09% and .024% Pb, .375% and .112% Zn and 0.8 ppm and 0.2 ppm Ag, respectively.

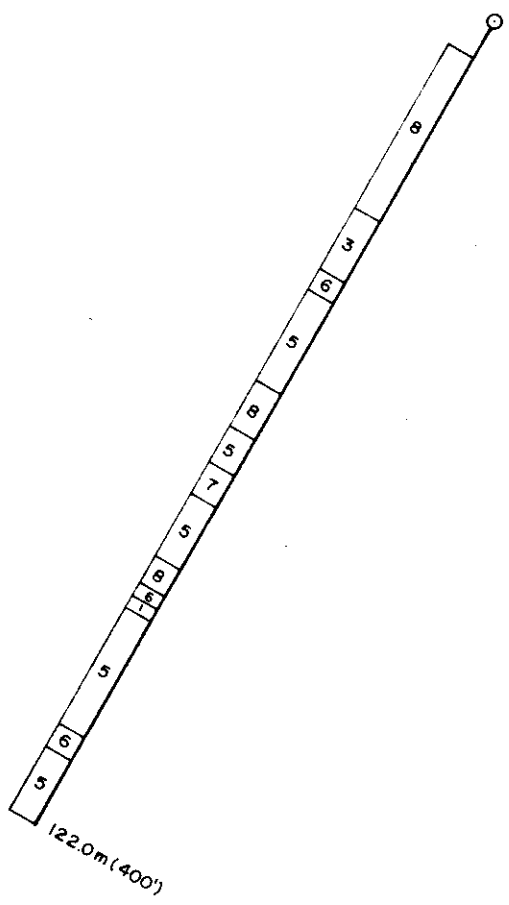
November 6, 1981

November 6, 1981

Diane J. Gregory

D.J. Gregory

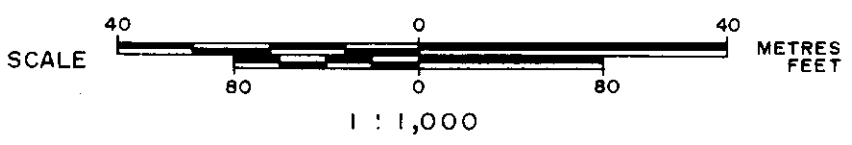
Coordinates Base line, 225E
 Dip at collar -60°
 Azimuth 220°
 Elevation (approx.) 2810'



L E G E N D

- 8 Garnet-mica schist
- 7 Mica schist
- 6 Chlorite schist
- 5 Phyllite
- 4 Calc-silicate
- 3 Argillite (shale)
- 2 Quartzite
- 1 Quartz

AMAX OF CANADA LIMITED
WOLF PROPERTY
 WOLF CLAIMS
 WATSON LAKE MINING DISTRICT-YUKON TERRITORY
DIAMOND DRILL HOLE
 WC - 81 - 3



Vancouver

APPENDIX I

STATEMENT OF COSTS

APPENDIX I - STATEMENT OF COSTS

SUMMARY OF WORK

Diamond Drilling - Wolf Claims

PERIOD OF WORK

July 4 - July 6, 1981

DRILLING

Amity Drilling Ltd., Whitehorse, Yukon Territory

Invoice #181, drilling charges WC-81-3 \$12,304.80

Total \$12,304.80
=====

A partial amount of this work is to be applied to the following claim to keep it in good standing until the specified anniversary date in 1987.

WOLF #32 4 years \$400.00 December 31, 1987

APPENDIX II

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

NAME	D.J. Gregory
EDUCATION	B.Sc. Geology - 1969 Dalhousie University
EXPERIENCE	Geologist - S. Australian Department of Mines Project Chief - Nova Scotia Department of Mines, Mineral Resource Inventory Geologist - AMAX of Canada Limited November 1978 to present

APPENDIX III

DIAMOND DRILL LOG WC-81-3

DIAMOND DRILL RECORD

Property WOLF CLAIMS

Project No. 1094

Hole Number 81-3

Coordinates 225E + B.L.

Commenced Drilling July 4, 1981

Collar Elevation 854.24 m (2810')

Completed Drilling July 6, 1981

Bearing at Collar 220°

Total Depth 122.0 m (400')

Dip at Collar -60°

Core Size/Method NQ

Logged By Diane J. Gregory

Drilling Contractor Amity Drilling, Whitehorse

<u>Survey Summary</u>				<u>Pertinent Assay Data</u>				<u>Pertinent Geology</u>		
Depth	Dip	Bearing	Method	Interval	Pb %	Zn %	Ag ppm	Cu ppm	Interval (metres)	Rock Type
122.0 m	-63° (uncorrected)	220°	Acid	20-22 m	.011	.086	0.2	38	5.2-30.5	Garnet-mica schist
				88-90 m	.09	.375	0.8	66	30.5-39.9	Argillite
				90-92 m	.024	.112	0.2	28	39.9-89.2	Schist/Phyllite
								89.2-91.0	Quartzite	
									91.0-122.0	Phyllite/Schist

Meters	Core Rec.	% Core	LITH.	STRUCT.	VEINS			MINERALIZATION					Sample Numbers	REMARKS	
					Qtz	Py	Calc	Pb	Zn	Py	Ag	Cpy			Ga
														0-5.2	Overburden
4														5.2-7.7	Garnet-mica schist, some quartz sections, muscovite >60%, rusty zone, pyrolusite on fractures, no visible pyrite
6	8	50													
															7.9-9.4 goudge zone
8	42	90				2?								7.7-30.5	Garnet-mica schist, some quartzose sections <5%, muscovite >60%, some biotite sections <20%, quartz
10	27	60			6										veins with chlorite alteration in quartzose sections, garnet >1%, trace pyrite in biotite
12	24+	60			4		10	56	0.2	10			65684		sections
14	22+	50													10.3 20 cm quartz band, no mineralization
16	16+	60													10.5 15 cm goudge zone
18	16+	40													10.9 80 cm goudge zone
20	38	100			7										13.8 minor graphite
22	47+	100			1		110	860	0.2	38			65685		20.0 40 cm graphitic broken zone, more quartzose rock, trace malachite
24	42	90													21.8 20 cm goudge zone
26	36	100													23.0 minor graphite
28	47					1?									24.0 25 cm quartz band, smokey quartz, no mineralization
30	27				1										26.5 30 cm graphitic zone
32	50				4		2	14	64	TR	0.2	10	65686		30.5-39.9 Argillite-slightly schistose, schistose sections in goudge zones, biotite >50%, chlorite around quartz veins, garnet in more schistose sections, trace pyrite throughout; foliation = 65°
34	46	80			6										31.0 large quartz crystals bounded by calcite in vein

Letters	Core Rec.	% Core	LITH.	STRUCT.	VEINS			MINERALIZATION					Sample Numbers	REMARKS		
					Qtz	Py	Calc	Pb	Zn	Py	Ag	Cpy			Ga	
34	34	80	ARGILLITE	[Pattern]	2					TR			<TR		32.4 30 cm gouge zone	
36																
38	24	100	ARGILLITE		10		1									
40	23						8					↓			↓	
42	31		CHLORITE SCHIST		11		7	6	46		0.2	4		65687	40.1 > trace sphalerite and trace galena in quartz vein	
44	25						7					<TR			TR	
46	13		PHYLLITE		7											48.5 15 cm quartz band, fractured, with chlorite, >1% pyrite, and tourmaline (?)
48	31						4									
50	44		PHYLLITE		5			8	74		0.2	36		65688		
52	33						6									
54	30		PHYLLITE		3											
56	43						10									
58	35		QTZ		5					↓			↓		57.2-63.5 Garnet-mica schist, garnet >1%, biotite >40%, chlorite >20%, pyrite < trace, foliation = 50-55°	
60	29		GARNET-MICA SCHIST		5			16	88		<TR		>1%	65689	60.6 10 cm quartz vein, with chlorite and trace pyrite	
62	37						3									
64	34		GARNET-MICA SCHIST		4											63.5-69.0 Quartzose phyllite, chlorite >20%, biotite >40%, < trace pyrite, trace garnet in minor schistose sections
66	29	✓			PHYLL.		3								↓	TR

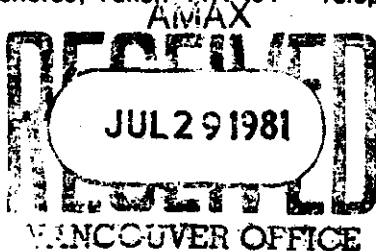
APPENDIX IV

CONTRACTOR'S INVOICES



Amity Drilling Limited

Contract Diamond Drilling
10-12th Avenue, Whitehorse, Yukon Y1A 4J4 Telephone (403) 633-2834



Invoice #181

July 15, 1981

IN ACCOUNT WITH:

AMAX of Canada Limited
601 - 535 Thurlow St.
Vancouver, B.C.

Drilling charges July 1 - 14, 1981 (Wolf project)

Hole: 81-2x60°xNQ

Reaming cave

10 man hrs. @ \$20.30 per hr. =	\$ 203.00	
5 machine hrs. @ \$9.00 per hr. =	45.00	\$ 248.00

Mud time

4 man hrs. @ \$20.30 per hr. =	\$ 81.20	
2 machine hrs. @ \$9.00 per hr. =	18.00	99.20

Travel time

4 man hrs. @ \$20.30 per hr. =		81.20
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Coring

289-465=176 ft. @ \$24.70 (NQ) per ft. =		4,347.20	\$ 4,775.60
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Hole: 81-3x60°xNQ

Moving

98 man hrs. @ \$20.30 per hr. =		\$ 1,989.40
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Mud time

8 man hrs. @ \$20.30 per hr. =	\$ 162.40	
4 machine hrs @ \$9.00 per hr. =	36.00	198.40

Testing

2 man hrs. @ \$20.30 per hr. =	\$ 40.60	
1 machine hr. @ \$9.00 per hr. =	9.00	49.60

Casing

0-16=16 ft. @ \$27.15 (NW) per ft. =		434.40
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Coring

10-400=390 ft. @ \$24.70 (NQ) per ft. =		9,633.00	12,304.80
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Hole: 81-4x60°xNQ

Moving

88 man hrs. @ \$20.30 per hr. =		\$ 1,786.40
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Reaming cave

4 man hrs. @ \$20.30 per hr. =	\$ 81.20	
2 machine hrs. @ \$9.00 per hr. =	18.00	99.20

CK. 21783 AUG 17 1981

Diana Gregory

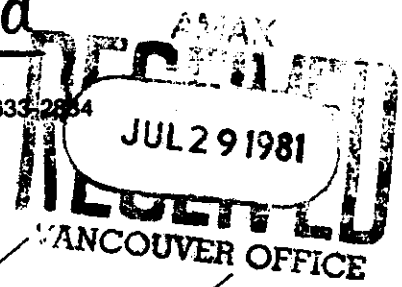
PAGE 1 OF 2



Amity Drilling Limited

Contract Diamond Drilling

10-12th Avenue, Whitehorse, Yukon Y1A 4J4 Telephone (403) 633-2834



Invoice #181 (Cont.)

Mud time

8 man hrs. @ \$20.30 per hr. =	\$ 162.40	
4 machine hrs. @ \$9.00 per hr. =	36.00	\$ 198.40

Testing

2 man hrs. @ \$20.30 per hr. =	\$ 40.60	
1 machine hr. @ \$9.00 per hr. =	9.00	49.60

Standby - Due to helicopter

48 man hrs. @ \$20.30 per hr. =		974.40
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ADD	EXT	CORRECT
1094	86920	4502288
1094	86920	210.00
		4523288

Revised Aug 17/81

Travel time

8 man hrs. @ \$20.30 per hr. =		162.40
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Casing

0-62=62 ft. @ \$27.15 (NW) per ft. =		1,683.30
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Coring

6-400=394 ft. @ \$24.70 (NO) per ft. =		9,731.80	\$14,685.50
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CK. 21783 AUG 17 1981

Moving Out -(to 40 miles West of Watson Lk.)

Labour

192 man hrs. @ \$20.30 per hr. =	\$ 3,897.60	
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Third party trucks

July 13/81 1-4x4 crewcab @ \$50.00 per day =	50.00	
1-5 ton truck - 8 hrs. @ \$35.00 per hr. =	280.00	
1-Tractor & trailer - 8 hrs. @ \$45.00 per hr. =	360.00	
July 14/81 1-5 ton truck - 4 hrs. @ \$35.00 per hr. =	140.00	4,727.60

Demobilization:

RE; Clause 11 (b) of contract 1/2 of \$5,300.00 =		2,650.00
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Board charges - Co. Reps.

July 1-12/81 14 man days @ \$15.00 per day =		210.00
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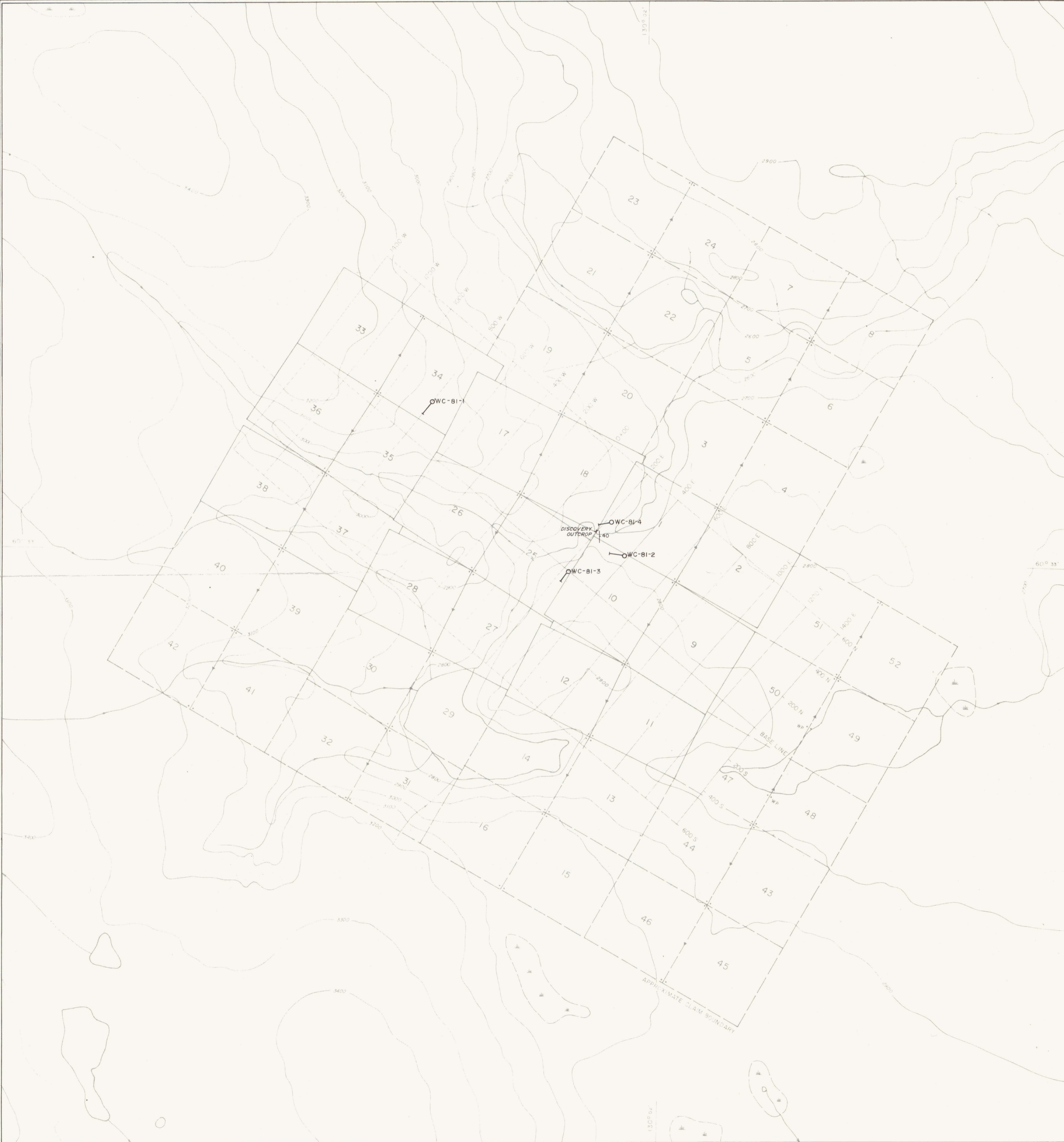
Supplies Consumed

15 only pails Polydrill @ \$159.50 ea. =	\$ 2,392.50	
<u>Hole: 81-2</u>		
5 only NQ rods @ \$116.65 ea. =	\$ 583.25	
1 only NQ corebarrel @ \$262.85 ea. =	262.85	
1 only NQ shell (JK) @ \$385.47 ea. =	385.47	1,231.57
<u>Hole: 81-4</u>		
1 only NO shell (JK) @ \$385.47 ea. =	\$ 385.47	
1 only NQ bit (LY) @ \$450.00 ea. =	450.00	
1 only NW shoe (JK) @ \$289.00 ea. =	n/c	835.47
		4,459.54

SUPPLIES - (left at Wolf property)

11 only bags Quik Gel @ \$15.15 ea. =	\$ 166.65	
Timbers, planks, plywood for drill, 2x4s, plywood		
4x4s for camp (General Enterprise Inv. #C-10718)	1,090.79	
Labour: 8 man hrs. @ \$20.30 per hr. =	162.40	1,419.84

TOTAL INVOICE \$45,232.88



	GRANT No	EXPIRY DATE
WOLF 1 - 46	YA 45487 - YA 45532	DECEMBER 31, 1983
WOLF 47- 50	YA 46137 - YA 46140	DECEMBER 31, 1983
WOLF 51- 52	YA 45701 - YA 45702	DECEMBER 31, 1983

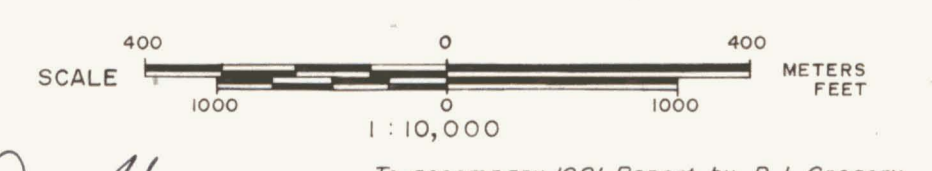
NOTE
 Dashed Claim boundaries are not accurately located with respect to grid
 Topography adapted from Dept of Energy, Mines and Resources
 1:50,000 scale map 105 B/9
 Contour Interval: 100 feet
 Declination (1980): 31° 30' East

○ OWC-BI-1 Diamond drill hole

Modified from — PLATE 1 Cordilleran Engineering Nov. 1980

AMAX OF CANADA LIMITED 090903
WOLF PROPERTY
 WOLF CLAIMS
 WATSON LAKE MINING DISTRICT-YUKON TERRITORY

LOCATION OF DIAMOND DRILL HOLES



Diane Gregory
 Nov 6/87

To accompany 1981 Report by D.J. Gregory
 Vancouver