

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 89.02.01

ASSESSMENT REPORT 17033

MINING DIVISION: Nanaimo

PROPERTY: Mt. Washington
LOCATION: LAT 49 46 30 LONG 125 15 00
UTM 10 5515824 337999
NTS 092F14E 092F14W

CLAIM(S): MWC 151
OPERATOR(S): Better Res.
AUTHOR(S): Bristow, J.
REPORT YEAR: 1988, 42 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver, Copper

GEOLOGICAL

SUMMARY: The Mt. Washington area is comprised of Triassic Karmutsen volcanics overlain by sediments of the Cretaceous Comox Formation. Breccia pipes of various sizes and possible ages pierce both formations and are diversely mineralized. Gently west dipping unusually continuous structures accompanied by alterations and silicification form the host for the gold, silver, arsenic mineralization.

WORK
DONE: Drilling
DIAD 384.9 m 6 hole(s); BQ, NQ
Map(s) - 1; Scale(s) - 1:2500, 1:500
SAMP 27 sample(s) ; CU, AU, AG
MINFILE: 092F 206

LOG NO: 0212

RD.

ACTION:

FILE NO:

DIAMOND DRILLING REPORT

ON

THE RAINBOW CLAIM GROUP

MWC 151 MINERAL CLAIM

NANAIMO MINING DIVISION

LAT. 49° 46' 30" N

LONG. 125° 15' W

N.T.S. 92F/11W & 92F/14W

FOR

BETTER RESOURCES LIMITED

BY

JAMES F. BRISTOW, P.ENG.

RICHMOND, B.C.

FILMED

FEBRUARY 1, 1988

DIAMOND DRILLING REPORT

GEOSCIENTIFIC ASSOCIATION

17,033

DIAMOND DRILLING REPORT

ON

RAINBOW CLAIM GROUP

T A B L E O F C O N T E N T S

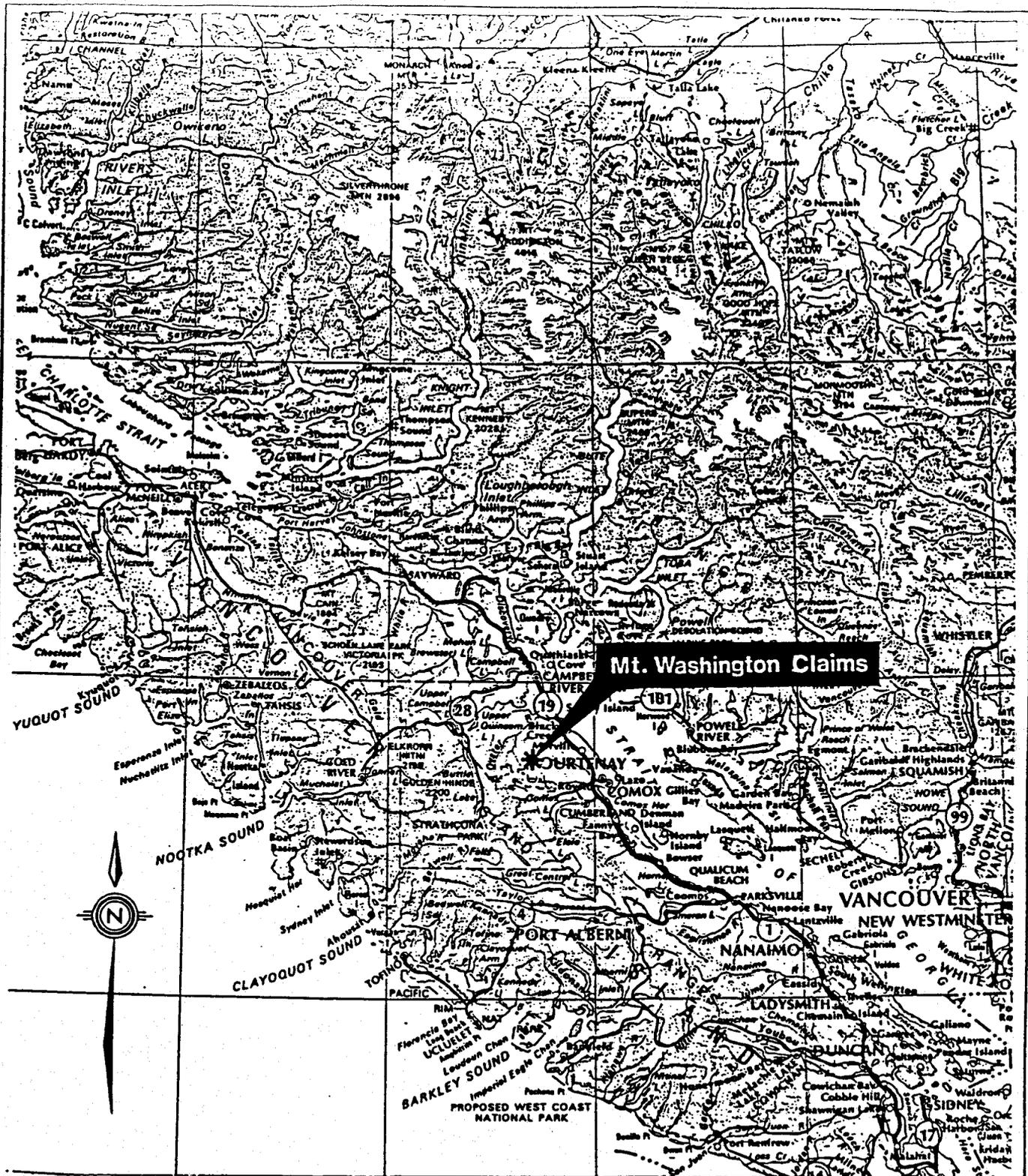
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APPENDIX I

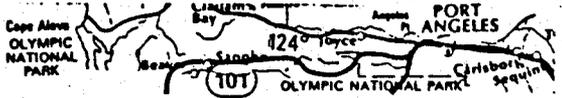
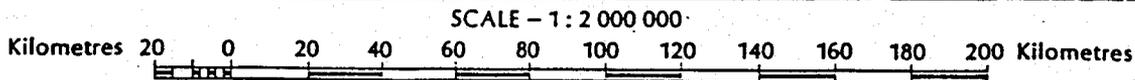
- 1) Invoices

APPENDIX II (in pocket)

- 1) Diamond Drill Logs
- 2) Diamond Drill Hole Plan (Figure 4)



Mt. Washington Claims



Drawn By:	D.P.B.
Checked By:	J.F.B.
Date	January 1988

**BETTER RESOURCES
LIMITED**

INDEX MAP

Scale:	1 : 2,000,000
Figure:	1

SUMMARY AND CONCLUSION

The current follow-up diamond drilling programme conducted adjacent to DDH Mx 86-1 to DDH Mx 86-10 (previous assessment report by J.F. Bristow, P.Eng. February 1987) was suspended June 4, 1987.

Mx-86-1, a vertical NQ core hole encountered gold values ranging from 0.03oz Au/T to 0.44 Au/T in the interval from 1.5 to 17.5 metres (5 to 57.3 ft.) Mx-86-7 a BQ size drill hole, bearing 253°, dip - 50° intersected 108.1 ft. of mineralization grading 1.54% copper between 96.5 ft. and 204.6 ft.

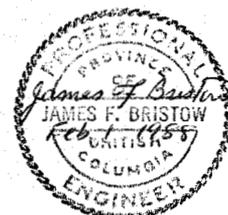
Drill holes Mx-11 to Mx-15A were drilled to further define and delineate this previously intersected economic grade mineralization.

Although there was considerable brecciation and sulphide mineralization intersected in the current drilling programme it did not significantly enhance the previously known intersections. It should, however, be stressed that diamond drilling to date has only tested a small portion of the known Murex Breccia body.

During 1987, 1263 ft. (384.9m) of drilling was completed on the Rainbow Claim Group at a cost of in excess of \$33,800.00.

RECOMMENDATION

Exploration work should be continued on the Rainbow Claim Group with emphasis being given to those areas adjacent to the margin of the breccia body.



INTRODUCTION

This report contains the results of one NQ and five BQ size diamond drill holes numbered Mx-11 to Mx-15 A totalling 384.9 metres. This work was conducted on the MWC 151 claim of the Rainbow Group by Globe Drilling LTD, of Vancouver, British Columbia between May 23rd and June 4th, 1987.

LOCATION AND ACCESS

The Rainbow Group of mineral claims are centred on Latitude 49°46.5' North, Longitude 125°15' West within map sheets N.T.S. 92F/11W, 92F/14W and the Nanaimo Mining Division. The claims are located approximately 20 kilometers northwest of Courtenay, B.C. The western claim boundary is located approximately 0.5 kilometres east of the summit of Mt. Washington. The claim group encompasses the Murex Creek basin and immediately adjoining areas (see Figure 2).

Access to the claims is by a network of well maintained paved and gravel mining and logging roads. Depending on snowfall and runoff conditions, access to within 1.0 kilometres of any point on the property is usually possible by four wheel drive between July and November.

TOPOGRAPHY AND CLIMATE

Mt. Washington is located along the eastern margin of the northwest trending Vancouver Island Ranges in the Insular Belt. The landscape is characterized by moderate to precipitous topography covered generally, by a thick mixed coniferous forest of hemlock, red and yellow cedar, douglas fir and balsam fir. Locally this forest has been extensively logged and is currently covered by thick impenetrable second growth. A subalpine forest of heather

and krumholtz is developed above 1,500 metres. Property elevations range from 300 metres to 1,480 metres. Evidence of recent glaciation is noted by cirque development, glacial striae and thin to moderate but pervasive glacial till development .

October to May is characterized by cold and wet weather with considerable snow accumulations. Depth may exceed 5metres at higher levels where patches of snow may persist in sheltered areas well into the summer months. June through September are drier with temperatures ranging from near freezing to greater than 25°C.

HISTORY

Since 1940 the Mt. Washington area has been the focus of sporadic intensive exploration activity.

The following chronological summary from K.E. Northcote's report dated May 1983, covers the time span from discovery of gold mineralization in 1940 to 1982.

"Gold mineralization was discovered in place on Mt. Washington in May 1940 by J.M. McKay a young mining engineer and prospector who systematically panned creeks up from the Oyster River to find course colours in a creek draining into McKay Lake. The gold bearing structures were prospected, trenched and sampled under the direction of Dr. D.F. Kidd in 1940-41. In 1944-45 Karl Springer financed adits on the copper bearing veins north of the area sampled for gold. Mt. Washington Copper Co. LTD. was formed in 1956 by Gordon C. Murray and various joint agreements and options with Noranda and Cominco explored the property until 1964. From 1964 to 1966 Mt. Washington under revised agreement with Cominco and a joint venture with Cumberland Mining Co. mined and milled 392,173 tons of 1.16% Cu, 0.01oz. per ton Au and 0.5 oz. per ton Ag. Upon exhaustion of economic open pit copper mineralization the mill was dismantled.

The property was optioned by Marietta Resources Company Ltd. in 1969, further explored by Mt. Washington in 1970-71 and then optioned to Imperial Oil from 1973 to 1982. During this latter period the exploration emphasis appears to have been directed towards a search for more extensive copper mineralization with little exploration for gold."

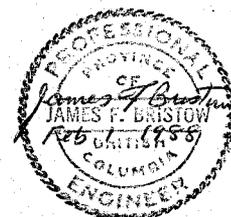
In May, 1983, Better Resources Limited acquired via Veerman Botel Limited, an option on a block of claims previously controlled by Mt. Washington Copper Co. LTD. By 1984 this land position was expanded to 130 units and a programme to assess the areas precious metal potential was initiated. By the spring of 1986 the land position was expanded to approximately 230 units.

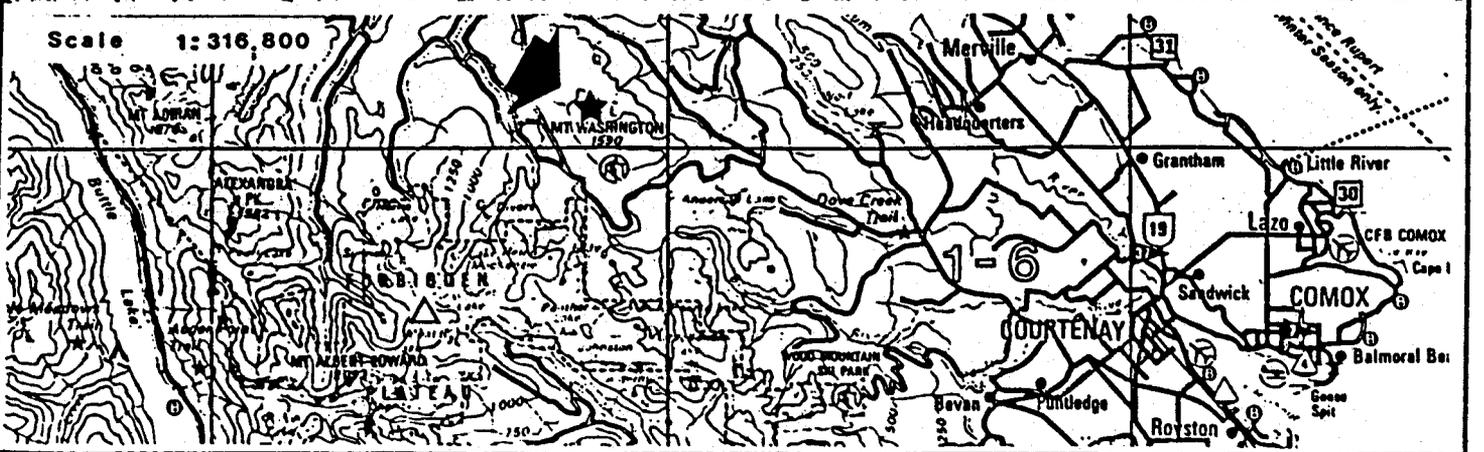
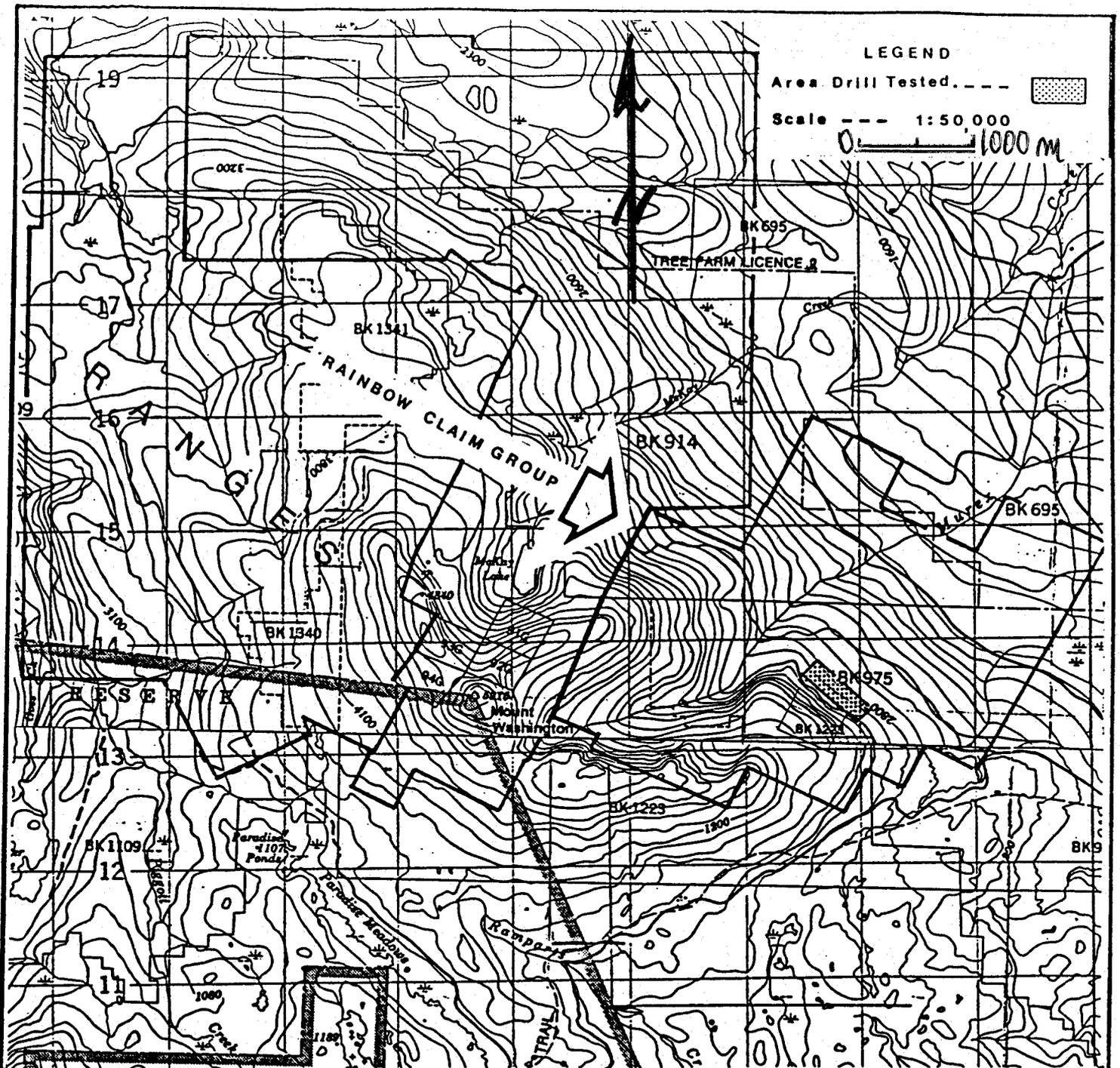
Under the direction of Better Resources Limited by the cessation of work in November 1987 the data base on the Mt. Washington property had been expanded by more than 82 Kilometres of soil sample, magnetometer and EM Grid line, 2,140 soil samples, 750 metres of trenching, 11,480 metres of diamond drilling and 278 metres of underground development.

PROPERTY DESCRIPTION

Current Ministry of Energy, Mines and Petroleum Resources records show the Rainbow Claim Group owned by Better Resources Limited of Vancouver, British Columbia to be comprised of the following contiguous two past mineral claims as shown in Figure 3:

<u>Claim Name</u>	<u>Record Number</u>	<u>No. of Units</u>	<u>Record Date</u>	<u>Due Date</u>
MWC 101	37196	1	Sept. 13/73	Sept. 13/95
MWC 102	37197	1	"	"
MWC 103	37198	1	"	"
MWC 104	37199	1	"	"
MWC 105	37200	1	"	"
MWC 106	37201	1	"	"
MWC 115	37210	1	"	"
MWC 116	37211	1	"	"
MWC 117	37212	1	"	"
MWC 143	37078	1	Sept. 14/73	Sept. 14/95
MWC 144	37079	1	"	"
MWC 147	37082	1	"	"





DRAWN BY J.F.B
DATE JANUARY 1988

BETTER RESOURCES LIMITED
LOCATION MAP MT. WASHINGTON AREA

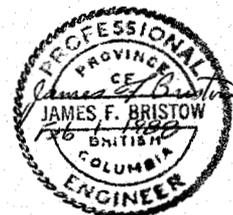
FIGURE - 2

<u>Claim Name</u>	<u>Record Number</u>	<u>No. of Units</u>	<u>Record Date</u>	<u>Due Date</u>
MWC 148	37083	1	Sept. 14/73	Sept. 14/95
MWC 150	37085	1	"	"
MWC 151	37227	1	Sept. 13/73	Sept. 13/95
MWC 152	37228	1	"	"
MWC 153	37229	1	"	"
MWC 175	37243	1	"	"
MWC 176	37244	1	"	"
MWC 271	37108	1	Sept. 14/73	Sept. 14/95
MWC 272	37109	1	"	"
MWC 294	37131	1	"	"
Mink #1	1580	1	Sept. 27/83	Sept. 27/95
Mink #2	1581	1	"	"
Mink #3	1582	1	"	"
Mink #4	1583	1	"	"
Mink #5	1584	1	"	"
Mink #6	1585	1	"	"
Mink #7	1586	1	"	"
Mink #8	1587	1	"	"
Stoat #1	1576	1	"	"
Stoat #2	1577	1	"	"
HKR #1	2404	1	June 11/86	June 11/95
HKR #2	2405	1	"	"
HKR #3	2406	1	"	"
HKR #4	2407	1	"	"
HKR #5	2408	1	"	"
HKR #6	2409	1	"	"
HKR #7	2410	1	"	"
Mike #1	2394	1	"	"
Mike #2	2395	1	"	"
Mike #3	2396	1	"	"
Mike #4	2397	1	"	"
Mike #5	2398	1	"	"
Mike #6	2399	1	"	"
Mike #7	2400	1	"	"
Fox #1	2401	1	"	"
Fox #2	2402	1	"	"
Fox #3	2403	1	"	"
	TOTAL	<u>49</u>		

DISCUSSION

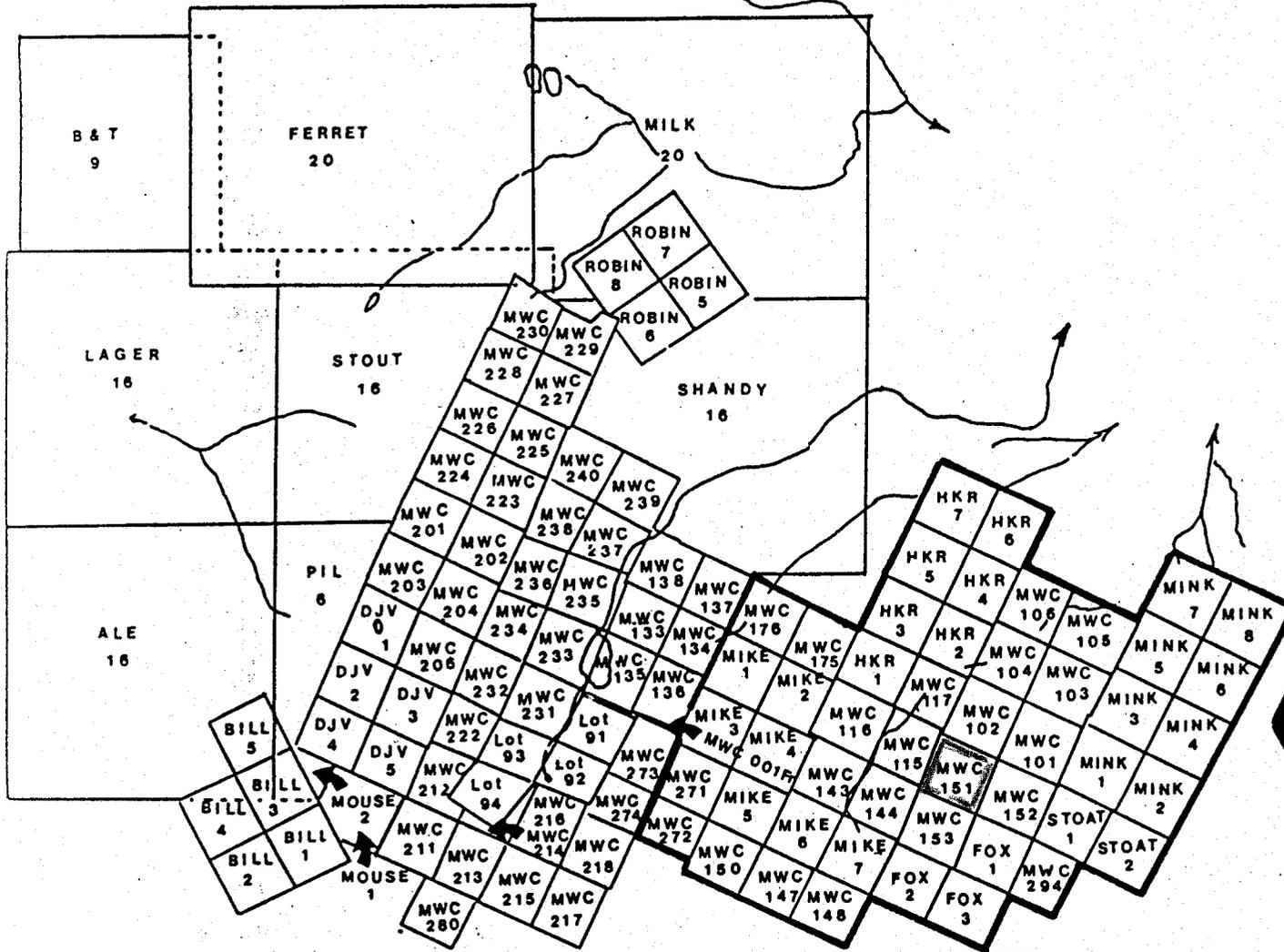
The current drilling programme has not changed our overall concept of the geology and mineralogy of the Murex Area. It remains as outlined in my Diamond Drilling Report of February 1987 namely:

"The general geology of the Mt. Washington area shows a thick sequence of Triassic Karmutsen volcanics overlain by sediments of the Cretaceous Comox Formation. Both sequences are cut by intrusive feldspar porphyry and diorite



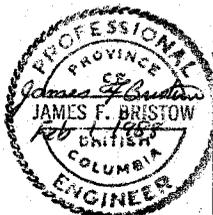
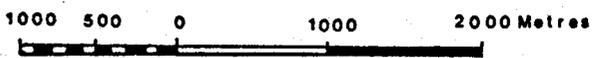
125° 15'

N.T.S. 92 F/11 & 14



**RAINBOW
CLAIM
GROUP**

49° 45'



**BETTER RESOURCES LIMITED
CLAIM MAP
MOUNT WASHINGTON AREA
NANAIMO MINING DIVISION**

DRAWN BY J.F.B	SCALE 1:50,000
DATE DECEMBER 1988	FIGURE 3

dykes and sills of Tertiary age. The formations are in turn pierced by breccia systems of various composition, size, shape and possibly of different ages.

The Rainbow group of claims cover the Murex basin which is partly underlain by a large body of Murex breccia. The Murex breccia is elongated east-west, and is intermittently exposed in outcrops, road cuts and creek beds for over 1,500m long by 1,000m wide.

The Murex breccia has been subdivided by McGuigan (1975) into three variants or types. The first two types consist of subrounded to subangular clasts 1 to 10cm in diameter of the Comox and Karmutsen Formations respectively. Matrix is generally less than 25% consisting entirely of finely comminuted rock fragments. Contact relations between the two mimic the overall trend of the unconformity suggesting collapse to be the dominant process. The third form of Murex breccia is much more variable. More specifically the clast composition is heterolithic, with the size varying from 1 to 50 cm and the degree of roundness from subangular to spherical. The matrix content is also quite variable (20 to 80%) containing numerous matrix-rich channels. All of these features indicate a fair degree of movement has taken place, suggesting a mode of origin akin to a diatreme.

Mineralization in the Murex breccia generally occurs as disseminations and veins infilling voids between breccia clasts. Although subject to changes in abundance and habit, the mineralization consists of varying amounts of pyrrhotite, pyrite, chalcopyrite and magnetite infilling voids between breccia clasts. Quartz, often vuggy accompanies the sulphide mineralization, generally enveloping the sulphides within the interstices. Epidote also occurs within the interstices, usually at the expense of the sulphides. Chlorite generally accompanies the epidote indicating a form of propylitic alteration has taken place. Also exerting an influence on the amount of sulphides is the percentage of comminuted rock flour within the matrix. In addition, where the rock flour content is low, the clasts tend to be angular and often elongate, suggesting little movement has taken place. In these areas the origin of the Murex breccia is interpreted to be the result of collapse. Within blocks of unbrecciated mafic volcanic adjacent to the breccia a minor amount of sulphide veining is present. However, within the breccia the degree of veining is minimal.

The origin of the mineralization within the Murex breccia is interpreted to be the result of hydrothermal solutions originating in the areas of propylitic alteration entering the voids created by the collapse of the Murex breccia."

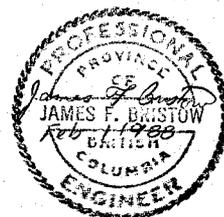
The purpose of the follow-up drilling programme consisting of the current six diamond drill holes was to further define the gold mineralization intersected in Mx-86-1 and the copper mineralization intersected in Mx-86-7 (see Figure 4).

Diamond drill hole Mx-11, Mx-12, Mx-14, Mx-15 and Mx-15A were drilled in the opposite direction, on adjacent sections and at approximate right angles to drill holes Mx-86-7 and Mx-86-8.

Mx-13 was drilled into a weak magnetic and EM-16 linear that appears to coincide with the copper mineralization intersected in Mx-86-7 and adjacent to the gold mineralization intersected in Mx-86-1. Unfortunately Mx-13 was not mineralized and was abandoned in a fault zone at 32 metres.

Better Resources Limited has confined it's Murex drilling to a small area located near the southern margin of the Murex breccia. This work has yielded spotty, spectacular copper and gold values, however, most of the Murex zone remains untested and warrants further investigation.

All mineralized core was split and assayed for gold, silver and copper. Assaying was conducted by Kamloops Research and Assay Laboratories Limited. All drill core is stored in permanent core sheds at Zebco Developments Ltd., Piercy Road, Courtenay, British Columbia.

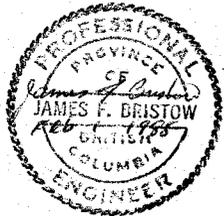


DRILL HOLE SUMMARY

Drill Hole NO.	Azimuth	Inclination	Depth		Date	
			Ft.	(Metres)	Start	Finish
MX-11	060°	-70°	200	(60.96)	May 23/87	May 24/87
MX-12	060°	-85°	246	(74.98)	May 24/87	May 26/87
MX-13	098°	-60°	105	(32.00)	May 26/87	May 27/87
MX-14	063°	-65°	195	(59.43)	May 28/87	May 29/87
MX-15	060°	-80°	221'	(67.36)	May 29/87	June 1/87
MX-15A	060°	-80°	296'	(90.23)	June 3/87	June 4/87

1263.0' (384.96)

James F. Bristow P. Eng.



COST STATEMENT
RAINBOW CLAIM GROUP

Diamond Drilling Mx-11 to Mx-15A

Supervision, Drillsite Preparation, Core logging,
Splitting and Storage.

Supervisor

James F. Bristow, P.Eng.
May 22($\frac{1}{2}$) May 24-26($\frac{1}{2}$), May 28($\frac{1}{2}$), May 30-31($\frac{1}{2}$)
June 1-5($\frac{1}{2}$) 6 days @ \$250.00 per day \$1500.00

Technical Services and Labour

P. MacEachern
May 23, MAY 24-28($\frac{1}{2}$)
3 $\frac{1}{2}$ days @ \$120.00 per day 420.00

S. Jut
May 31($\frac{1}{2}$), June 1-3($\frac{1}{2}$), June 5-6($\frac{1}{2}$)
3 days @ \$132.00 per day 396.00

Tractor Rental

$\frac{1}{2}$ month @ \$4134.00/month 2067.00

Diamond Drilling

Globe Drilling as per invoice
384.96 metres @ \$69.85 per metre 26,889.00

Transportation (4x)

14 days @ \$40.00 per day 560.00

Core Storage

60 core boxes @ \$5.05/box 303.00

Food And Accommodation

12 $\frac{1}{2}$ man days @ \$25.00 per day 312.50

Assaying Costs

27 Samples @ \$19.50 (gold/silver & copper) 526.50

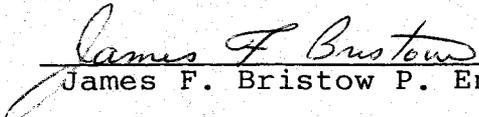
Sample freight to Kamloops, B.C.

500lbs . @ \$25.00 per 100 lbs. 125.00

Report preparation (including drafting & typing) 750.00

TOTAL: \$33,849.00

CERTIFIED CORRECT


James F. Bristow P. Eng.

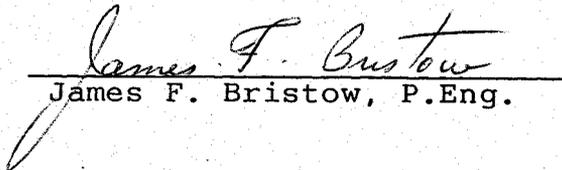
James F. Bristow P. Eng.

QUALIFICATIONS AND CERTIFICATIONS

I, James F. Bristow, of 9620 Thomas Place, in the municipality of Richmond, Province of British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia with a B.A. Degree (Geology and Physics).
2. I am a member of the Canadian Institute of Mining and Metallurgy, the Geological Society of South Africa and the Association of Exploration Geochemists.
3. I am a Professional Engineer registered in the Province of British Columbia.
4. I have actively practiced my profession in mineral exploration and mining since my graduation in 1957.
5. That this report is based on data collected between May 22nd, 1987 and June 22nd, 1987 by myself or by other persons working under my direct supervision.
6. That I am a Director of Better Resources Limited and hold a direct interest in securities of this company.

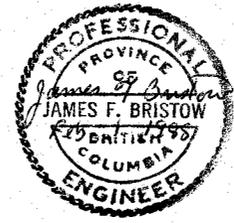
Dated at Richmond, British Columbia this 15th day of February 1988


James F. Bristow, P.Eng.

A P P E N D I X I

INVOICES

OUR NUMBER	076666
DATE	JUNE 12 1987
CUSTOMER'S ORDER	# 138
SALESMAN	
TERMS	
F.O.B.	



SOLD TO BETTER Resources LTD.

SHIPPED TO _____

ADDRESS _____ VIA _____

INVOICE

	MX 11 TO MX 15			
	972 feet BQ @ \$21.00/foot	\$	19,362.00	✓
	49 feet BW @ \$21.00/foot	\$	1,029.00	✓
	184 feet NA @ \$23.00/foot	\$	4,232.00	✓
	103 MAN HOURS @ \$22.00/hour	\$	2,266.00	✓
	MIKE REAN'S		26,889.00	✓
	Globe Drilling (1981) LTD.			
	Paid by Cheque # 344 JFB 13 June 87			

D32

A P P E N D I X I I

(IN POCKET)

DRILL LOGS FOR MX-11 TO MX-15A INCLUSIVE

DIAMOND DRILL HOLE PLAN

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Davidson Proj Project No. 120 Depth 101.19 Date Began Nov 16/87
 Hole No. DAV-31 Co ord. 723W Horizontal Length Date Completed Nov 17/87
 Claim No. REM 3455 S Core Size HQ Drilled By Quest
 Grid No. Angle & Grid Direction -50° N30W Elevation Logged By S Weekes

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
0-10.67		Casing		
10.67-45.26		Rhyolitic Tuff - light grey - fine grained - oxidized - sericitic / friable - sections of lapilli tuff - minor flow banded sections - often banded at 70° to C.A. - tr py, sph		
45.26-101.19		Rhyodacite / Andesite Lapilli Tuff - rhyodacite grades into a Andesitic Lapilli Tuff - dark grey - extremely siliceous - contact is altered and broken up - overall - minor py, aspx - tr py, tr sph		
		50.57-53.34 - very broken up - strong clay alteration		
		End of Hole		

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Davidson Proj Project No. 120 Depth 145.7 Date Began Oct 27/87
 Hole No. DAN-26 Co ord. 8+55 W Horizontal Length 98.0 Date Completed Oct 30/87
 Claim No. 4+35 S Core Size HQ, NQ Drilled By Quest
 Grid No. -50° N30°W Elevation Logged By S. Weekes

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
0 - 18.3		Casing		
18.3 - 65.2		Rhyolitic Tuffs and Flows - light green to chalk white - extremely fine grained - possible minor intrusive phase - extremely fractured - top 15 meters is extremely oxidized - dendritic py and sph (1%) 29.0 - 29.3 * gauge 31.1 - 33.4 - strongly brecciated - moderate clay alteration 38.4 - 38.7 - extremely soft (1) clay - chlorite - sericite 39.5 - 39.7 - frothy zone with 30% py, 7% sph 50.0 - 56.7 - broken up with little clay alteration 56.7 - 58.2 - extremely broken up - strong clay alteration * fault zone (30% recovery) 58.2 - 65.2 - broken up with little clay alteration		
65.2 - 80.5		Flow Banded Rhyolite - light green - very broken up with little clay alteration - minor brecciation - banding at 60-90° to C.A. - minor py, sph - 70% recovery		

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property

Project No. 120

Depth

Date Began

Hole No. DAN-26

Co ord.

Horizontal Length

Date Completed

Claim No.

Core Size

Drilled By

Grid No.

Angle & Grid Direction

Elevation

Logged By

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
80.5-123.6		Rhyodacite Lapilli Tuff - light green - silicified - extremely chloritic fragments - fractures are chloritic - minor sections of flow banded rhyolite - minor sph, 2% py		
		85.0-87.8 5-15% py gas blebs and fracture filling		
		87.8-88.7 - extremely chloritic - broken up		
		100.6-119.5 - extremely broken up - strong clay alteration		
		113.8-114.9 5% sph		
		119.5-123.6 - extremely broken up - little clay alteration		
123.6-145.7		Andesitic Lapilli Tuff - dark green - granular contact - 40% andesitic fragments - very siliceous 1% sph, 2% py gas blebs and gas fracture filling		
		132.6-133.5 6% py, 1% sph, 1% aspy?		
		137.5-140.5 broken up with little clay		
		140.5-145.7 - fault gouge (30% recovery)		
End of Hole		Hole lost -> squeezing ground		

8+55 W
4+35 S -50° N30° W

Casing

Rhyolite Tuff & Flows

Flow Banded Rhyolite

Rhyodacite Tuff

Andesite
Tuffite

Granges Exploration Ltd
Davidson Proj # 120
Hole # DAV-25, DAV-26
Scale 1:500
Claim - PEM

Looking South

DAV-26
145.7

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Davidson Proj Project No. 130 Depth 153.01 Date Began Nov 7 / 87
 Hole No. DAV-28 Co ord. 9+10 W Horizontal Length 95 Date Completed Nov 10 / 87
 Claim No. PEM H+85 S Core Size HQ Drilled By Quest
 Grid No. Angle & Grid Direction -50° N30W Elevation Logged By S. Weekes

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
0-15.34		Casing		
15.34-109.73		Rhyolitic Tuff		
		- light grey to light green		
		- minor oxidized sections		
		- flow banding common		
		- sections of lapilli tuff		
		- fractured		
		- possible minor flows		
		1% dendritic py, sph		
		21.95-22.56		
		- oxidized section		
		- very broken up		
		- 20% recovery		
		25.15-25.91		
		- 15% black blebs (Mn?)		
		- minor py, sph, aspy		
		46.33-73.76		
		- light green lapilli sections		
		- minor dark green cherty rhyolite		
		- extremely broken up		
		- strong clay alteration		
		- tr-2% py, tr sph, tr aspy?		
		47.55-48.77		
		no recovery		
		52.12-53.04		
		5% recovery		
		53.95-57.00		
		30% recovery		
		78.03-89.92		
		- good bedded rhyolite tuff		
		91.14-93.88		
		- broken up		
		- only moderate clay alteration		
		95.40-96.93		
		- broken up		
		- little clay alteration		


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**
ZONE:

Page

 Property Project No. 120 Depth Date Began
 Hole No. DAN-28 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Grid Direction Elevation Logged By

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
		99.36-102.72		
		- cherty rhyolitic breccia		
		- very broken up		
		- strong clay alteration		
		- oxidized		
		- contacts are extremely altered		
		and broken up		
		104.70-108.81		
		Cherty Rhyolitic Tuff		
		- broken up		
		- oxidized		
		- strong alteration		
109.73-112.78		Andesitic Lapilli Tuff		
		- dark purple		
		- very broken up		
		- siliceous		
		- little clay alteration		
		- fr py		
		- very gradational contact		
112.78-123.43		Rhyolitic Lapilli Tuff		
		- light grey		
		- extremely broken up		
		- very strong alteration		
		- minor chloritic sections		
		- minor py, sph		
123.43-130.45		Andesitic Lapilli Tuff		
		- dark purple		
		- broken up with very little clay		
		alteration		
		- silicified		
		- fr py		
		125.43-127.41		
		- gaudy		
		- 60% clay		



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Davidson Proj Project No. 120 Depth 153.01 Date Began Nov. 7/87
 Hole No. DAY-28 Co. ord. 9+40 W Horizontal Length Date Completed Nov 10/87
 Claim No. 4+85 S Core Size HQ Drilled By Quest
 Grid No. Angle & Direction -30° N30W Elevation Logged By S. Weekes

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pb Cu	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0-15.54	289	0.91	.07	4.0	.05	.01													
15.54-17.07	289	1.53	.30	4.5	.03	.01													
17.07-18.59	289	1.52	.07	6.0	.03	.01													
18.59-19.51	289	0.92	.03	5.5	.03	.01													
19.51-21.64	289	2.13	.04	8.0	.27	.07													
21.64-23.62	289	1.99	.03	5.5	.20	.03													
23.62-24.69	289	1.07	.07	5.0	.25	.05													
24.69-25.30	289	0.61	.11	6.5	1.06	.25													
25.30-26.27	289	0.97	.33	18.5	.65	.27													
26.27-27.27	289	1.07	.08	17.0	.49	.17													
27.27-28.30	289	1.03	.98	8.5	.61	.26													
28.30-29.30	289	1.00	.16	13.0	.61	.12													
29.30-30.30	289	1.00	.11	13.5	.37	.22													
30.30-31.30	289	1.00	.09	10.0	.09	.02													
31.30-32.30	289	1.00	.08	11.0	.06	.01													
32.30-33.30	289	1.00	.03	6.0	.10	.03													
33.30-34.30	300	1.37	.31	7.5	.30	.16													
34.30-35.30	301	1.83	.14	9.5	.09	.02													
35.30-36.30	302	1.07	.19	12.0	.22	.04													
36.30-37.30	303	0.91	.12	6.5	.12	.03													
37.30-38.30	304	0.61	.20	5.5	.50	.19													
38.30-39.30	305	1.22	.19	11.0	.79	.33													
39.30-40.30	306	1.83	.16	6.5	.43	.22													
40.30-41.30	307	1.37	.17	8.5	.15	.05													
41.30-42.30	No core																		
42.30-43.30	308	0.61	.58	6.0	.28	.44													
43.30-44.30	309	0.91	.44	10.0	.40	.62													
44.30-45.30	310	1.83	1.13	32.0	.96	.75													
45.30-46.30	311	1.37	.08	6.0	.25	.17													
46.30-47.30	312	0.31	.08	3.0	.13	.02													
47.30-48.30	313	3.03	.53	20.5	.72	.56													
48.30-49.30	314	1.83	.45	13.0	.58	2.05													
49.30-50.30	315	1.82	.58	7.5	.29	2.99													
50.30-51.30	316	4.72	.37	8.0	.40	.71													
51.30-52.30	317	1.07	.49	7.0	.45	.61													
52.30-53.30	318	1.22	.35	7.0	.36	.56													
53.30-54.30	319	0.61	.09	7.0	.35	.45													
54.30-55.30	320	0.61	.64	16.5	.68	.71													
55.30-56.30	321	0.91	1.03	9.0	.49	.88													



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Project No. 120 Depth Date Began
 Hole No. DAN-28 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH X ASSAY					AVERAGES								
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.				
69.19-69.80	322	0.61	.46	5.0	.36	.71														
69.80-70.71	323	0.91	.18	5.0	.22	.88														
70.71-71.32	324	0.61	.24	17.0	.47	.77														
71.32-72.24	325	0.92	.10	21.0	.46	.24														
72.24-74.37	326	2.13	.06	9.0	.21	.59														
74.37-75.44	327	1.07	.10	6.5	.23	.65														
75.44-76.35	328	0.91	.4	14.5	.63	.69														
76.35-76.81	329	0.46	.15	12.5	.60	.44														
76.81-77.27	330	0.46	.10	9.0	.41	.78														
77.27-78.18	331	0.91	.19	6.5	.35	.73														
78.18-78.79	332	0.61	.06	5.6	.27	.52														
78.79-79.86	333	1.07	.09	5.0	.24	.36														
79.86-80.77	334	0.91	.17	5.0	.37	.37														
80.77-81.69	335	0.92	.06	3.5	.31	.36														
81.69-82.91	336	1.22	.07	2.5	.26	.29														
82.91-84.12	337	1.22	.07	3.5	.23	.34														
84.12-85.04	338	0.92	.13	4.5	.31	.24														
85.04-85.95	339	0.91	.07	5.0	.46	.60														
85.95-87.17	340	1.22	.07	7.0	.21	.72														
87.17-88.29	341	1.22	.08	5.5	.43	.47														
88.29-89.61	342	1.22	.51	8.5	.46	.88														
89.61-90.83	343	1.22	.26	7.0	.39	.98														
90.83-91.74	344	0.91	.24	7.0	.37	.67														
91.74-92.66	345	0.92	.04	6.0	.18	.38														
92.66-93.73	346	1.07	.12	8.0	.25	.47														
93.73-94.64	347	0.91	.17	5.5	.12	.79														
94.64-95.55	348	0.91	.58	11.5	.34	1.95														
95.55-96.62	349	1.07	.81	19.0	.36	1.91														
96.62-97.84	350	1.22	.48	19.0	.39	.91														
97.84-99.06	351	1.22	.13	6.5	.14	1.37														
99.06-99.97	352	0.91	.44	2.5	.01	.40														
99.97-101.19	353	1.22	.22	.5	.01	.09														
101.19-102.41	354	1.22	.18	4.5	.01	.03														
102.41-103.33	355	0.92	.14	1.0	.02	.25														
103.33-104.55	356	1.22	.11	2.0	.02	.37														
104.55-105.77	357	1.22	.12	.5	.01	.01														
105.77-107.29	358	1.52	.09	.5	.01	.02														
107.29-108.81	359	1.52	.41	3.5	.01	.07														
108.81-109.73	360	0.92	.10	3.0	.12	.27														
109.73-110.64	361	0.91	.51	6.5	.17	1.89														

9+40 W -50° N30° W
4+85 S

DAV-28

Casing

Rhyolite Tuff

Fault?

Andesitic Tuff

Rhyolitic Tuff

Andesitic
Tuff

Rhyolitic
Tuff

Granges Exploration Ltd
Davidson Proj # 120
Hole DAV-28
Section 9+40 W
Scale 1:500

Looking south-west

153.01

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Davidson Proj Project No. 120 Depth 95.10 Date Began Nov 11 / 87
 Hole No. DAV-29 Co ord. 9+80 W Horizontal Length 61 Date Completed Nov 13 / 87
 Claim No. PEM 5+15 S Core Size HQ Drilled By Quest
 Grid No. Angle & Grid Direction -50° N30W Elevation Logged By S Weekes

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
0 - 14.02		Casing		
14.02 - 18.75		Felsic Lapilli Tuff - light grey - very competent - 3% Andesitic fragments - strong alteration around fracture - planes - tr py		
18.75 - 20.88		Cherty Rhyolitic Lapilli Tuff - light grey - extremely fine grained - extremely siliceous - angular fragments to 5cm in sections - fractured - limonitic		
20.88 - 28.04		Felsic Lapilli Tuff - light grey - very slightly broken up - 3% Andesitic fragments - minor oxidation - chloritic fractures - tr py, cspy?		
28.04 - 35.36		Rhyolitic Tuff - light green - fine grained - minor flow banding - bedded sections at 43° to CA - lapilli sections - tr py, sph		
35.36 - 39.62		extremely broken up - strong clay alteration		



GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Davidson Proj Project No. 120 Depth Date Began

Hole No. DAV-29 Co ord Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Grid Direction Elevation Logged By

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
39.62-74.52		Andesitic Lapilli Tuff		
		- dark purple		
		- extremely broken up		
		- extremely altered		
		- minor py, sph, trage		
		- 70-80% recovery		
74.52-93.10		Rhyolitic Tuff		
		- light green		
		- extremely fine grained		
		- competent		
		- minor oxidized sections		
		- lapilli sections		
		76.05-79.25		
		- brecciated section		
		- strong clay alteration		
		- oxidized		
End of hole		Core Angles		
		31.09 - 43°		


**GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD**

Property: Davidson Proj Project No. 120 Depth 95.10 Date Began Nov 11/87
 Hole No. DAN-29 Co ord. 9+80 W Horizontal Length Date Completed Nov 13/87
 Claim No. PEM 5+15 S Core Size HQ Drilled By Quest
 Grid No. Angle & Direction 50° N30W Elevation Logged By S. Weekes

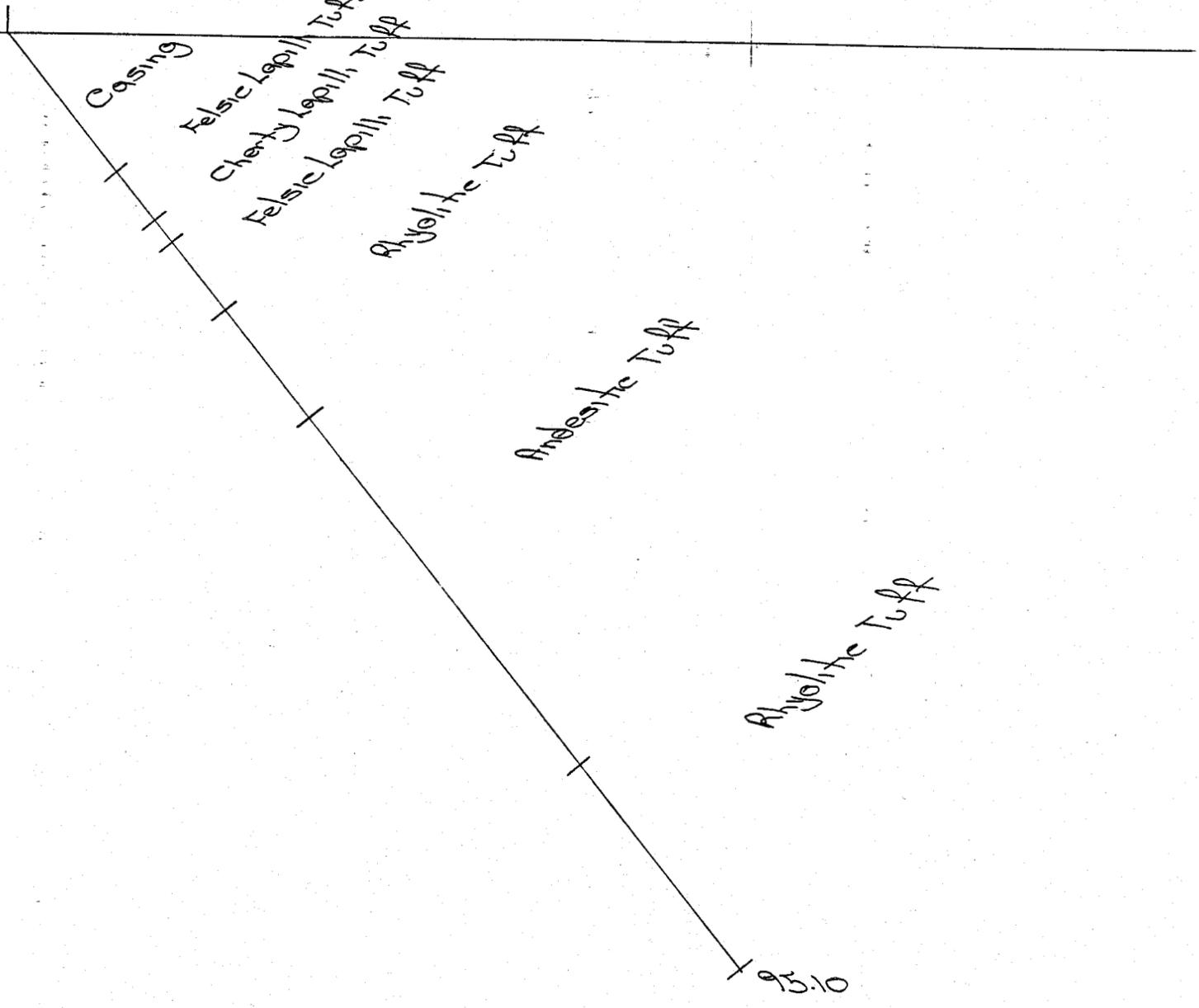
INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	PB Gr.	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0-14.02	Coarse																		
14.02-15.54	22399	1.52	.18	4.5	.22	.02													
15.54-16.76	3999	1.22	.17	10.0	.46	.03													
16.76-18.00	488	1.24	.18	2.5	.23	.03													
18.00-19.20	501	1.20	.18	3.0	.22	.03													
19.20-20.40	502	1.20	.18	3.5	.23	.01													
20.40-21.60	503	1.20	.18	3.0	.17	.01													
21.60-22.80	504	1.20	.18	2.0	.21	.02													
22.80-24.00	505	1.20	.18	6.0	.26	.04													
24.00-25.20	506	1.20	.18	5	.22	.03													
25.20-26.40	507	1.20	.18	6.5	.19	.03													
26.40-27.60	508	1.20	.18	8.5	.27	.02													
27.60-28.80	509	1.20	.18	16.0	.18	.01													
28.80-30.00	510	1.20	.18	11.0	.23	.01													
30.00-31.20	511	1.20	.18	16.0	.23	.01													
31.20-32.40	512	1.20	.18	10.0	.25	.01													
32.40-33.60	513	1.20	.18	9.0	.25	.01													
33.60-34.80	514	1.20	.18	10.5	.25	.01													
34.80-36.00	515	1.20	.18	10.0	.22	.01													
36.00-37.20	516	1.20	.18	6.0	.21	.01													
37.20-38.40	517	1.20	.18	5	.25	.01													
38.40-39.60	518	1.20	.18	2.5	.11	.01													
39.60-40.80	519	1.20	.18	.8	.06	.01													
40.80-42.00	520	1.20	.18	6.5	.19	.01													
42.00-43.20	521	1.20	.18	3.0	.13	.01													
43.20-44.40	522	1.20	.18	1.0	.05	.01													
44.40-45.60	523	1.20	.18	9.0	.24	.01													
45.60-46.80	524	1.20	.18	10.0	.24	.01													
46.80-48.00	525	1.20	.18	10.0	.24	.01													
48.00-49.20	526	1.20	.18	10.0	.24	.01													
49.20-50.40	527	1.20	.18	10.0	.24	.01													
50.40-51.60	528	1.20	.18	10.0	.24	.01													
51.60-52.80	529	1.20	.18	10.0	.24	.01													
52.80-54.00	530	1.20	.18	10.0	.24	.01													
54.00-55.20	531	1.20	.18	10.0	.24	.01													
55.20-56.40	532	1.20	.18	10.0	.24	.01													
56.40-57.60	533	1.20	.18	10.0	.24	.01													
57.60-58.80	534	1.20	.18	10.0	.24	.01													
58.80-60.00	535	1.20	.18	10.0	.24	.01													
60.00-61.20	536	1.20	.18	10.0	.24	.01													
61.20-62.40	537	1.20	.18	10.0	.24	.01													
62.40-63.60	538	1.20	.18	10.0	.24	.01													
63.60-64.80	539	1.20	.18	10.0	.24	.01													
64.80-66.00	540	1.20	.18	10.0	.24	.01													
66.00-67.20	541	1.20	.18	10.0	.24	.01													
67.20-68.40	542	1.20	.18	10.0	.24	.01													
68.40-69.60	543	1.20	.18	10.0	.24	.01													
69.60-70.80	544	1.20	.18	10.0	.24	.01													
70.80-72.00	545	1.20	.18	10.0	.24	.01													
72.00-73.20	546	1.20	.18	10.0	.24	.01													
73.20-74.40	547	1.20	.18	10.0	.24	.01													
74.40-75.60	548	1.20	.18	10.0	.24	.01													
75.60-76.80	549	1.20	.18	10.0	.24	.01													
76.80-78.00	550	1.20	.18	10.0	.24	.01													
78.00-79.20	551	1.20	.18	10.0	.24	.01													
79.20-80.40	552	1.20	.18	10.0	.24	.01													
80.40-81.60	553	1.20	.18	10.0	.24	.01													
81.60-82.80	554	1.20	.18	10.0	.24	.01													
82.80-84.00	555	1.20	.18	10.0	.24	.01													
84.00-85.20	556	1.20	.18	10.0	.24	.01													
85.20-86.40	557	1.20	.18	10.0	.24	.01													
86.40-87.60	558	1.20	.18	10.0	.24	.01													
87.60-88.80	559	1.20	.18	10.0	.24	.01													
88.80-90.00	560	1.20	.18	10.0	.24	.01													


GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

 Property Project No. 120 Depth Date Began
 Hole No. DAN-201 Co ord Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
59.74-60.96	436	1.22	.02	2.5	.68	1.21													
60.96-62.18	437	1.22	.14	10.0	.17	1.07													
62.18-63.40	438	1.22	1.34	.5	.01	.91													
63.40-64.62	439	1.22	.24	3.0	.05	1.31													
64.62-65.84	440	1.22	.02	.5	.02	1.78													
65.84-67.06	441	1.22	.04	.5	.01	1.93													
67.06-68.28	442	1.22	.02	.5	.01	1.11													
68.28-69.50	443	1.22	.13	1.0	.01	.51													
69.50-70.71	444	1.22	.23	.5	.01	.44													
70.71-71.93	445	1.22	.11	.5	.01	.35													
71.93-73.15	446	1.22	.02	.6	.01	.82													
73.15-74.37	447	1.22	.02	1.0	.01	.52													
74.37-75.59	448	1.22	.39	9.0	.17	.36													
75.59-76.81	449	1.22	.19	3.5	.09	.10													
76.81-78.03	450	1.22	2.25	2.0	.05	.04	3.78												
78.03-79.25	451	1.22	1.39	2.0	.02	.01	1.70												
79.25-80.47	452	1.22	.84	7.5	.08	.32	1.28												
80.47-81.69	453	1.22	1.30	22.0	.12	.02	194												
81.69-82.91	454	1.22	.74	14.0	.31	.03	.111						13.87m	127%					
82.91-84.13	455	1.22	.72	6.5	.05	.03	.89												
84.13-85.35	456	1.22	1.67	28.0	.38	.28	2.56												
85.35-86.57	457	1.22	.74	16.5	.09	.04	1.11												
86.57-87.79	458	1.22	1.47	15.0	.26	.05	1.25												
87.79-89.01	459	1.22	1.09	9.5	.04	.02	1.66												
89.01-90.23	460	1.22	.15	16.0	.06	.02	17.67												
90.23-91.45	461	2.14	.04	6.0	.05	.01													

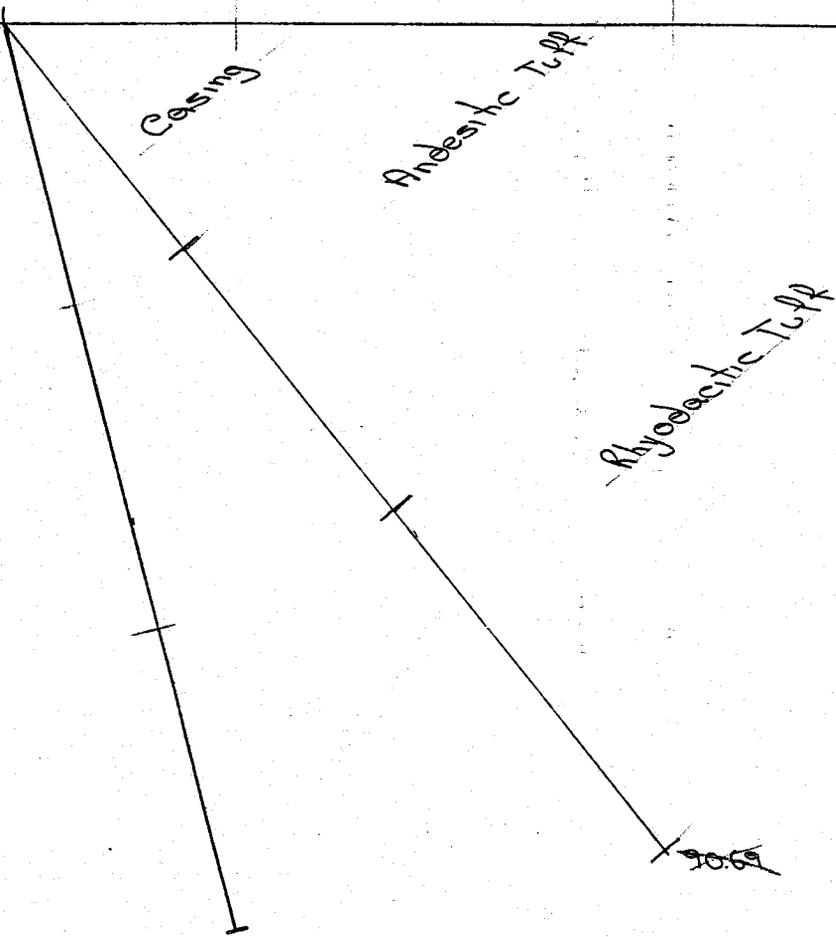
978
0710
0500 W 500 N30° W



Grandes P
David's Exploration Lt
Map #100 #20
Section 978-990
Scale 1:5000 W

Looking South-West

9+30 W -75° S
2+70 W



Granges Exploration Ltd
Davidson
Hole # 24 - Project # 120
Section 9+30 W
Scale 1:8000

Looking East

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Davidson Proj Project No. 120 Depth 185.0 Date Began Oct 31/87
 Hole No. DAV-27 Co ord. 8+87 W Horizontal Length 119.0 Date Completed Nov 6/87
 Claim No. PEM 4+87 S Core Size HQ Drilled By Quest
 Grid No. _____ Angle & Grid Direction 50° N30W Elevation _____ Logged By S. Weekes

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
0-16.80		Casing		
16.80-114.60		Rhyolitic Tuff - Minor Flows		
		- fine grained		
		- light grey - light green		
		- minor precipitation		
		- often flow banded		
		- minor py - sph		
		16.8-45.42		
		- heavily fractured		
		- extremely brittle		
		- oxidized		
		39.62-41.15		
		- breccia zone		
		- strong clay alteration		
		45.42-46.02		
		42% py, 3% black dendritic mineral		
		52.27-55.32		
		- section becomes darker green		
		- 20% black dendritic mineral		
		61.57-61.94		
		- broken up		
		- strong clay gouge		
		64.01-69.34		
		- broken up		
		- little clay gouge		
		76.05-76.41		
		- lapilli section		
		- 42% sph		
		- contact 75° to CA		
		81.99-111.25		
		- extremely broken up		
		- very strong clay alteration		
		- 25% core recovery		
		- tuffaceous		

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page

Property Project No. 120 Depth Date Began

Hole No. DAV-27 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Grid Direction Elevation Logged By

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
114.60-161.54		Rhyodacite Tuff - green - extremely to - cherty looking - chloritic fracture - minor sections of rhyolitic lapilli - tuff with cherty rhyolite fractures - few banded sections - dendritic py, sph 32% py, 12% sph		
		116.43-121.62 - broken up - strong clay alteration		
		136.70-138.38 52% py, 35% sph		
		139.90-143.69 - very broken up - little clay alteration		
		142.95-156.67 - extremely broken up - very strong clay alteration		
		156.97 - 1cm py, sph veinlet		
161.54-185.00		Andesitic Lapilli Tuff - black to dark purple - minor rhyolite fragments - siliceous matrix - tr. 22% py, tr. 8% sph - minor rhyodacite sections - extremely broken up - very strong clay-chlorite alteration		
		181.66-185.00 - no core recovery * washed away		
End of hole				



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Project No. 120 Depth Date Began
 Hole No. DAY-27 Co ord Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pb	Zn.	WIDTH X ASSAY					AVERAGES								
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.				
67.06-67.97	179	0.91	.13	4.0	.09	.15														
67.97-69.04	180	1.07	.38	6.5	.15	.17														
69.04-69.49	181	0.45	.65	6.0	.19	.27														
69.49-70.71	182	1.22	.21	6.5	.05	.37														
70.71-72.24	183	1.53	.07	4.5	.02	.09														
72.24-73.76	184	1.52	.19	4.0	.03	.15														
73.76-75.29	185	1.53	.14	3.0	.08	.18														
75.29-76.20	186	0.91	.35	1.0	.11	.34														
76.20-76.50	187	0.30	.28	1.5	.06	.69														
76.50-76.81	188	0.31	.18	2.5	.04	.25														
76.81-77.88	189	1.07	.04	1.5	.03	.11														
77.88-79.40	190	1.52	.02	2.0	.05	.09														
79.40-80.62	191	1.23	.03	.5	.01	.02														
80.62-81.84	192	1.22	.37	3.5	.12	.17														
81.84-82.91	193	1.07	.02	3.5	.18	.42														
82.91-83.67	194	0.76	.02	3.5	.17	.35														
83.67-84.73	195	1.06	.05	10.5	.48	.61														
84.73-86.56	196	1.83	.32	9.0	.50	.49														
86.56-88.39	197	1.83	.02	6.5	.51	.45														
88.39-89.61	198	1.22	.02	8.0	.45	.42														
89.61-91.44	199	0.57	Core																	
91.44-92.35	200	0.91	.06	9.5	.53	.55														
92.35-93.88	201	1.53	.05	8.0	.45	.63														
93.88-96.01	202	2.13	.09	11.5	.66	.74														
96.01-98.90	203	2.90	.28	5.5	.32	.42														
98.90-99.67	204	0.77	.02	6.5	.30	.50														
99.67-100.43	205	0.76	.16	26.0	.83	1.02														
100.43-103.63	206	3.20	.02	11.0	.53	.61														
103.63-104.55	207	0.92	.02	3.5	.16	.77														
104.55-106.22	208	1.67	.13	5.0	.12	.83														
106.22-108.51	209	2.29	.02	1.0	.02	.57														
108.51-109.73	210	1.22	.45	2.5	.05	1.09														
109.73-110.64	211	0.91	.53	6.5	.18	1.02														
110.64-111.56	212	1.00	.30	7.0	.12	1.18														
111.56-112.32	213	0.76	.03	4.0	.07	1.25														
112.32-113.39	214	1.07	.04	10.5	.87	1.20														
113.39-114.60	215	1.21	.08	2.5	.05	.82														
114.60-115.37	216	0.77	.06	3.5	.08	.83														
115.37-116.43	217	1.06	.12	1.5	.03	.48														
116.43-117.35	218	0.92	.25	5.5	.02	.94														



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Project No. 120 Depth Date Began

Hole No. DAV-27 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pb ppm	Zn.	WIDTH X ASSAY					AVERAGES						
							Au					WIDTH	Au.	Ag.	Cu.	Zn.		
158.50-159.72	2258	1.22	.09	1.0	.01	.46												
159.72-161.24	2259	1.54	.16	.5		.73												
161.24-162.15	2260	0.91	.21	.5		1.55												
162.15-162.76	2261	0.61	.29	.5		1.19												
162.76-163.53	2262	0.77	.28	.5		.92												
163.53-164.29	2263	0.76	.22	1.0		1.17												
164.29-165.35	2264	1.06	.08	.5		.83												
165.35-166.42	2265	1.07	.12	.5		.32												
166.42-167.03	2266	0.61	.15	.5		.75												
167.03-168.55	2267	1.52	.11	1.0		1.13												
168.55-169.17	2268	0.92	.21	.5		1.24												
169.17-170.38	2269	0.91	.32	.5		.95												
170.38-170.99	2270	0.61	.18	.5		.96												
170.99-171.91	2271	0.92	.18	.5		1.23												
171.91-172.67	2272	0.76	.23	1.0		.67												
172.67-173.43	2273	0.76	.37	1.5		.96												
173.43-173.89	2274	0.46	1.49	.5		.42	.685											
173.89-175.56	2275	1.67	3.32	2.5		2.57	5514											
175.56-176.47	2276	0.92	1.12	1.0		1.11	1030				50m				267%			2.34%
176.47-177.09	2277	0.62	.69	1.5		2.50	.428											
177.09-177.70	2278	0.61	5.38	2.0		5.05	3282											
177.70-178.46	2279	0.76	3.29	2.0		1.40	2500											
178.46-179.53	2280	1.07	.65	1.0		.99	13469											
179.53-180.29	2281	0.76	.73	1.0		1.51												
180.29-181.05	2282	0.76	.95	1.0		.96												
181.05-181.66	2283	0.61	1.29	1.0		.50												
181.66-185.00	No	Cone																
End of Hole																		

8+87 W
4+87 S -50° N30° W

Horz. length 117 m

Casing

Rhyolitic Tuff

Basalt

Rhyolitic
Tuff

Grange Exploration Ltd
Devon
Hole # DAN-270 # 120
Section 8+87 W
Dip 30° N30° W
Casing 1050

Looking South West

Basalt

Basalt

Basalt

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ANOMALY:

Page

Property Davidson Proj Project No. 120 Depth 145.69 Date Began Aug 17/87
 Hole No. DAN-19 Co ord. 8+50 W Horizontal Length 91.5m Date Completed Aug 19/87
 Claim No. 3+10 S Core Size NA Drilled By Quest
 Grid No. -50° S Elevation 1210 Logged By S. Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
0 - 15.5	Overburden								
15.5 - 20.6	Dacite Tuff - dark green - very broken up - moderately altered - fragments to 1cm - subangular fragments - minor oxidation along fractures - extremely siliceous zones - minor sections with rhyolitic fragments - tr py, tr ga, tr sph								
20.6 - 34.1	Brecciated Rhyolitic Tuff - light green - very broken up - fragments to 5cm - sub rounded fragments - extremely siliceous - 1% black mineral, tr ga, tr py, tr sph								
20.6 - 34.3	30% recovery * matrix may be extremely altered and washed away								
34.1 - 145.7	Rhyolitic Tuff - light green - extremely fine grained - extremely siliceous - cherty - concordal fracture - fractures very easily - minor broken up sections								
102.4 - 119	- dark green section - similar mineralogy/structure								



GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ANOMALY:

Property Project No. 120 Depth Date Began
 Hole No. DAN-19 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Page Grid No. Angle & Grid Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
	66.9 - 69.2								
	50% core recovery								
	94.3 - 95.6								
	30% py								
	98.7 - 99.7								
	5% py								
	104.9 - 105.8								
	altered section								
	108.8 - 110.0								
	broken up								
	3% py								
	124.5 - 124.7								
	80% py, 2% sph								
	127.3 - 127.7								
	20% py, 2% sph								
	129.1 - 129.3								
	30% py, 7% sph								
	End of Hole								
	Acid test - 145m - 51°								
	Core Angles								
	71.3 - 40°								
	109.1 - 45°								


**GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD**

Property Davidson Proj Project No. 120 Depth 145.7 Date Began 1 Aug /87
 Hole No. DAV-19 Co ord. 850 W Horizontal Length 91.5 Date Completed 19 Aug /87
 Claim No. 340 S Core Size NQ Drilled By Quest
 Grid No. Angle & Direction -50° S Elevation Logged By S Weekes

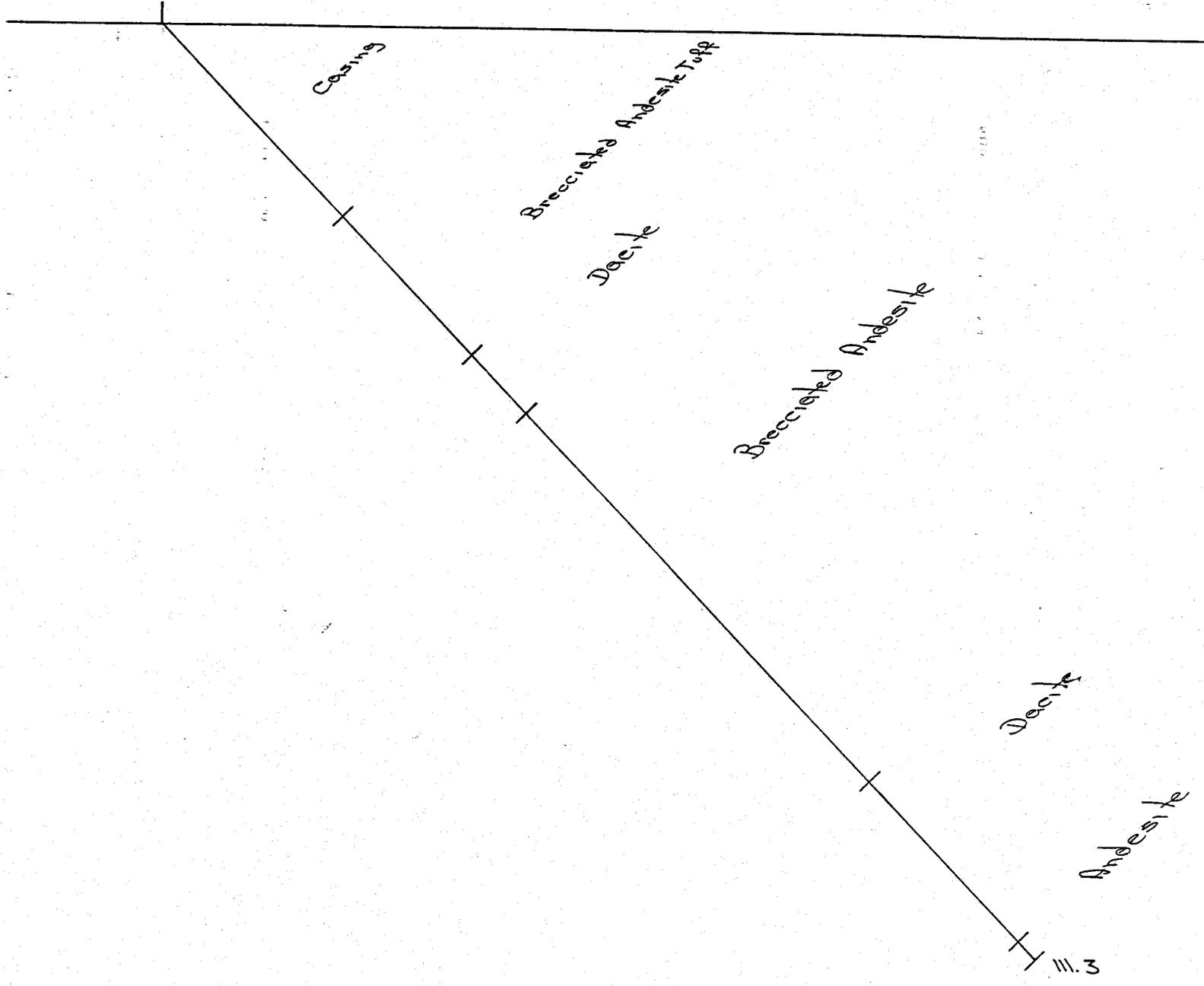
INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0-15.5	3436	1.0	1.0	1.0	1.0	1.0													
15.5-16.5	3433	1.0	1.0	1.0	1.0	1.0													
16.5-17.4	3434	0.9	1.0	1.0	1.0	1.0													
17.4-18.3	3435	0.9	1.0	1.0	1.0	1.0													
18.3-19.2	3436	0.9	1.0	1.0	1.0	1.0													
19.2-20.1	3437	0.9	1.0	1.0	1.0	1.0													
20.1-21.2	3438	1.1	1.0	1.0	1.0	1.0													
21.2-22.3	3439	1.1	1.0	1.0	1.0	1.0													
22.3-23.2	3440	0.9	1.0	1.0	1.0	1.0													
23.2-24.1	3441	0.9	1.0	1.0	1.0	1.0													
24.1-25.0	3442	0.9	1.0	1.0	1.0	1.0													
25.0-25.9	3443	0.9	1.0	1.0	1.0	1.0													
25.9-26.8	3444	0.9	1.0	1.0	1.0	1.0													
26.8-27.7	3445	0.9	1.0	1.0	1.0	1.0													
27.7-28.7	3446	1.0	1.0	1.0	1.0	1.0													
28.7-30.2	3447	1.5	1.0	1.0	1.0	1.0													
30.2-31.7	3448	1.5	1.0	1.0	1.0	1.0													
31.7-33.2	3449	1.5	1.0	1.0	1.0	1.0													
33.2-34.1	3450	0.9	1.0	1.0	1.0	1.0													
34.1-35.1	3451	0.9	1.0	1.0	1.0	1.0													
35.1-36.0	3452	0.9	1.0	1.0	1.0	1.0													
36.0-36.9	3453	0.9	1.0	1.0	1.0	1.0													
36.9-37.8	3454	0.9	1.0	1.0	1.0	1.0													
37.8-38.7	3455	0.9	1.0	1.0	1.0	1.0													
38.7-39.6	3456	0.9	1.0	1.0	1.0	1.0													
39.6-40.5	3457	0.9	1.0	1.0	1.0	1.0													
40.5-41.5	3458	1.0	1.0	1.0	1.0	1.0													
41.5-42.4	3459	0.9	1.0	1.0	1.0	1.0													
42.4-43.3	3460	0.9	1.0	1.0	1.0	1.0													
43.3-43.6	3461	0.3	1.0	1.0	1.0	1.0													
43.6-44.5	3462	0.9	1.0	1.0	1.0	1.0													
44.5-45.4	3463	0.9	1.0	1.0	1.0	1.0													
45.4-46.3	3464	0.9	1.0	1.0	1.0	1.0													
46.3-47.2	3465	0.9	1.0	1.0	1.0	1.0													
47.2-48.2	3466	1.0	1.0	1.0	1.0	1.0													
48.2-49.1	3467	0.9	1.0	1.0	1.0	1.0													
49.1-50.0	3468	0.9	1.0	1.0	1.0	1.0													
50.0-50.9	3469	0.9	1.0	1.0	1.0	1.0													
50.9-51.8	3470	0.9	1.0	1.0	1.0	1.0													
51.8-52.4	3471	0.6	1.0	1.0	1.0	1.0													


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 111.3 Date Began July 31 / 87
 Hole No. DAV-13 Co ord. 6+00 W Horizontal Length 78.8 Date Completed August 1 / 87
 Claim No. PEM Core Size NO Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 969 Logged By S. Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Pb	Zn.
0 - 23.2	Casing								
23.2 - 39.8	Brecciated Andesite Tuff - dark purple - fragments up to 30cm - 10% of fragments are light brown altered volcanics - very little alteration - barren	26.7 27.9 28.9 36.1 37.5 38.8 39.6 41.0	27.9 28.9 30.0 37.5 38.8 39.6 41.0 41.7	1.2 1.0 1.1 1.4 1.3 0.8 1.4 0.7	33939 940 941 942 943 944 945 946	.02	0.5	.01	.01
39.8 - 46.2	Decite - light grey, green - brecciated - 30% Andesitic fragments - fragments have alteration rings - specks are altered - very little alteration - barren	46.2 49.8 50.6 63.4 68.1	47.0 50.6 51.2 63.9 69.7	0.8 0.8 0.6 0.5 1.6	947 948 949 950 951				
46.2 - 46.2	39.8 - 40.9 broken up, 30% clay	89.8	90.4	0.6	952		1.0		
46.2 - 90.2	Brecciated Andesite - dark purple - sub angular fragments ↳ moderate reworking - massive sections - very little alteration - competent	90.8 91.5 107.5 108.1	91.5 92.4 108.1 110.0	0.7 0.9 0.6 1.6	953 954 955 956		.5		
46.2 - 46.9	broken up, altered (sharp contacts)								
49.9 - 51.2	broken up, altered (sharp contacts)								
63.4 - 63.8	broken up, altered (sharp contacts)								
68.3 - 69.5	broken up, altered (sharp contacts)								

6+00 W
0+70 S -45° S



Granges Exploration Ltd
Davidson Proj # 120
DDA DAY-13
Section 6+00 W
Scale 1:500

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

1072

Property Davidson Proj Project No. 120 Depth 137.8 Date Began July 28/87
 Hole No. DAV-12 Co ord. 10+00 W Horizontal Length 92.0 Date Completed July 30/87
 Claim No. PEM 2+85 S Core Size NA Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 123.1 Logged By 5 Weeks

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-34.4	Casing 0-27.4 : Overburden								
34.4-46.6	Andesitic Tuff - dark purple - minor sections of light green dacite tuff - extremely broken up - 60% core recovery								
46.6-67.7	Dacite Tuff - light green - 30% Rhynchodacite fragments - silicified - relatively competent - 5% py, 2% black sulphide, tr sph 62.5-67.7 - very broken up - moderate clay alteration								
67.7-69.2	Andesitic Tuff - dark purple - brecciated - competent - tr py								
69.2-71.3	Dacite Tuff - light green - extremely broken up - 40% clay - 2% py, 12% black sulphide - 0.5 meters core lost								
71.3-91.3	Andesitic Tuff - dark purple - very broken up - intense alteration along fractures - tr py 81.7-83.1 - Altered Dacite Tuff - 70% clay 30cm lost core								

2 of 2

Property Project No. 120 Depth Date Began
 Hole No. DAN-12 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
91.3-100.3	Dacite Tuff - light green - brecciated zones - fairly competent - silicified - 3% black sulphide, 3% py, 1% sph								
100.3-115.8	Andesite - purple - competent - unaltered - very minor brecciation								
115.8-127.1	Dacite Tuff - light green - very broken up - small zones of intense alteration - minor brecciation - 2% py, 3% black sulphide, 1% sph								
127.1-131.7	Contact Zone - breccia zone - fragments become less siliceous and more andesitic down hole - tr py, tr-1% sph								
131.7-137.8	Andesite - dark purple - fine grained - minor brecciation - unaltered - tr py								
132.6-133.0	Siliceous Water Lain Tuff - good core angles of 35°								
End of Hole	Core Angles -133=35°								



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Davidson Troy Project No. 120 Depth 137.8 Date Began July 28/87
 Hole No. DAY-12 Co ord. 10+00 W Horizontal Length Date Completed July 30/87
 Claim No. 2185 S Core Size NA Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation Logged By S. Weekes

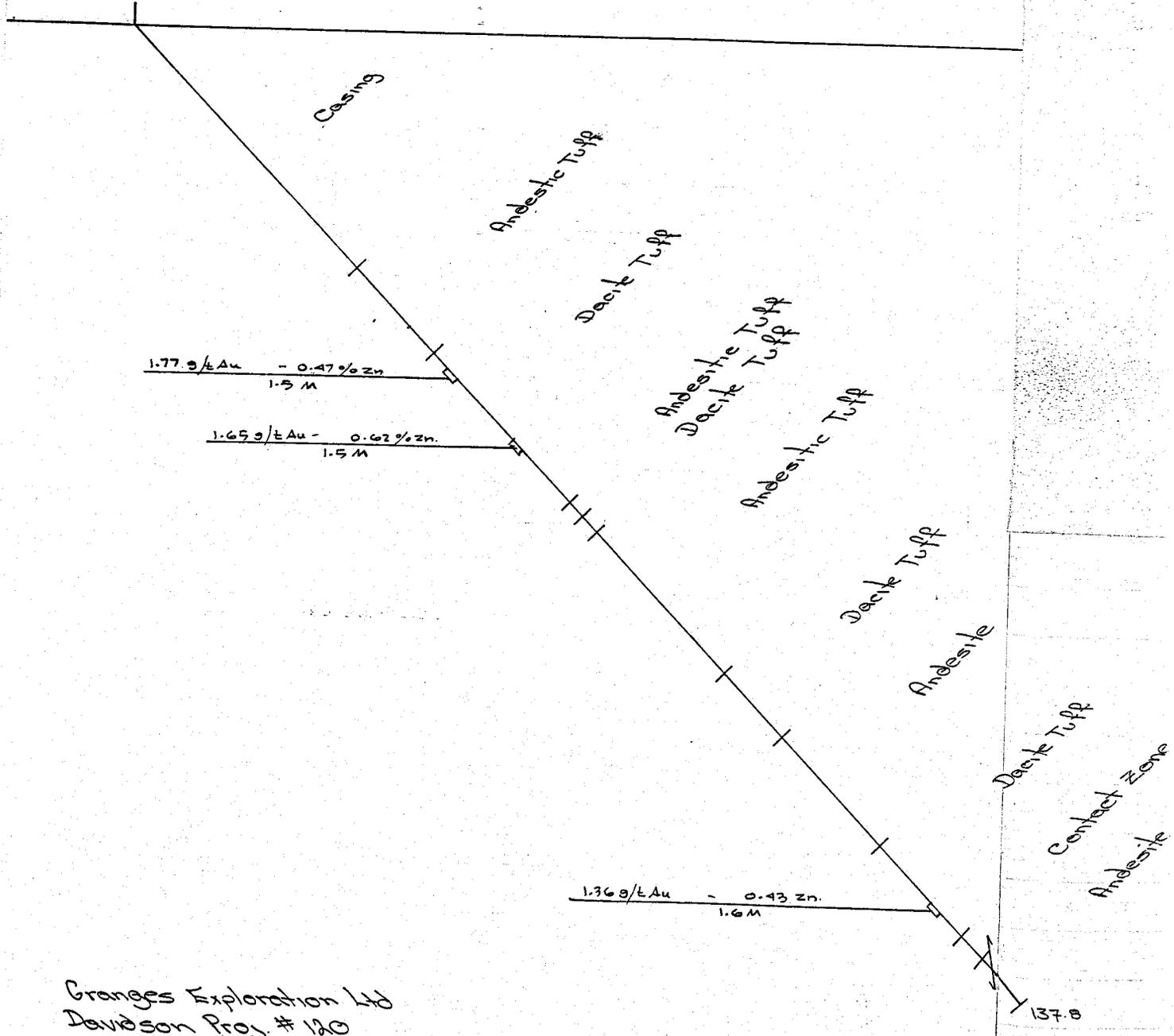
INTERVAL FEET/METRES	NUMBER	WIDTH	Au. g/t	Ag. g/t	Pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0 - 27.4	900	1.3	.02	.5	.01	.05													
27.4 - 28.7	901	1.3	.21	11.0	.36	.44													
28.7 - 30.0	902	1.3	.10	10.5	.31	.56													
30.0 - 31.3	903	1.3	.07	8.0	.22	.54													
31.3 - 32.6	904	1.3	.07	2.0	.05	.10													
32.6 - 33.9	905	1.3	.02	1.5	.06	.14													
33.9 - 35.2	906	1.3	.02	.5	.03	.08													
35.2 - 36.5	907	1.3	.02	.5	.02	.04													
36.5 - 37.8	908	1.3	.09	1.0	.06	.18													
37.8 - 39.1	909	1.3	.06	2.0	.05	.05													
39.1 - 40.4	910	1.3	.02	.5	.01	.04													
40.4 - 41.7	911	1.3	.13	1.5	.07	.15													
41.7 - 43.0	912	1.3	.53	4.0	.05	.45													
43.0 - 44.3	913	1.3	1.17	3.5	.04	.47													
44.3 - 45.6	914	1.3	.67	2.5	.02	.38													
45.6 - 46.9	915	1.3	.71	4.0	.03	.71													
46.9 - 48.2	916	1.3	.80	2.5	.02	.17													
48.2 - 49.5	917	1.3	.53	5.5	.06	.51													
49.5 - 50.8	918	1.3	.78	4.0	.04	.50													
50.8 - 52.1	919	1.3	1.65	4.0	.04	.62													
52.1 - 53.4	920	1.3	.79	5.5	.06	.45													
53.4 - 54.7	921	1.3	.44	7.5	.07	.51													
54.7 - 56.0	922	1.3	.75	2.0	.02	.65													
56.0 - 57.3	923	1.3	.11	2.0	.03	.39													
57.3 - 58.6	924	1.3	.51	2.5	.06	.52													
58.6 - 60.0	925	1.4	.02	2.0	.09	.21													
60.0 - 61.4	926	1.4	.22	9.0	.39	.42													
61.4 - 62.8	927	1.4	.02	3.0	.10	.30													
62.8 - 64.2	928	1.4	.03	11.0	.40	.72													
64.2 - 65.6	929	1.4	.02	4.5	.14	.30													
65.6 - 67.0	930	1.4	.08	5.5	.19	.52													
67.0 - 68.4	931	1.4	.02	.5	.01	.12													
68.4 - 69.8	932	1.4	.02	.5	.01	.14													
69.8 - 71.2	933	1.4	.02	1.5	.01	.26													
71.2 - 72.6	934	1.4	.04	.5	.01	.75													
72.6 - 74.0	935	1.4	.06	.5	.03	.39													
74.0 - 75.4	936	1.4	.02	3.0	.03	.32													
75.4 - 76.8	937	1.4	.02	5.0	.06	.66													


GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

 Property Project No. 120 Depth Date Began
 Hole No. DAN-12 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au. g/t	Ag. g/t	pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
90.7 - 91.3	912	0.6	.09	.5	.01	.71													
91.3 - 93.0	913	1.7	.07	1.5	.01	.36													
93.0 - 94.5	914	1.5	.06	.5	.01	.70													
94.5 - 96.3	915	1.8	.12	4.0	.03	.42													
96.3 - 97.8	916	1.5	.24	5.0	.14	.47													
97.8 - 99.1	917	1.3	.02	15.5	.39	.65													
99.1 - 100.3	918	1.2	.05	5.0	.08	.76													
100.3 - 101.9	919	1.6	.06	1.0	.01	.52													
101.9 - 103.2	920	1.3	.02	1.5	.02	.36													
103.2 - 103.9	921	0.7	.02	1.0	.01	.20													
103.9 - 108.1	Work	Work																	
108.1 - 109.1	922	1.0	.02	1.5	.01	.20													
109.1 - 110.2	923	1.1	.02	1.0	.02	.30													
110.2 - 110.8	924	0.6	.02	.5	.01	.32													
110.8 - 114.2	Work	Work																	
114.2 - 115.8	925	1.6	.02	2.5	.05	.30													
115.8 - 117.2	926	1.4	.19	.5	.01	.73													
117.2 - 118.6	927	1.4	.11	.5	.01	.11													
118.6 - 120.1	928	1.5	.09	1.5	.01	.64													
120.1 - 121.6	929	1.5	.12	1.5	.01	.39													
121.6 - 123.1	930	1.5	.09	2.5	.01	.57													
123.1 - 124.7	931	1.6	1.36	.5	.01	.43													
124.7 - 125.9	932	1.2	.31	.5	.01	.53													
125.9 - 127.2	933	1.3	.46	1.5	.01	1.27													
127.2 - 128.0	934	0.8	.29	.5	.01	1.20													
128.0 - 129.2	935	1.2	.14	1.0	.01	.98													
129.2 - 130.6	936	1.4	.10	.5	.01	.37													
130.6 - 131.4	937	0.8	.06	.5	.01	.77													
131.4 - 132.6	Work	Work																	
132.6 - 133.1	938	0.5	.05	1.5	.01	.56													
133.1 - 137.8	Work	Work																	
104																			

10+00W
2+85S -45°S



Granges Exploration Ltd
Davidson Proj # 120
DDH # DAV-12
Section 10+00W
Scale 1:300


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 139.3 Date Began July 26/87
 Hole No. DAY-11 Co ord. 9+00 W Horizontal Length 79.5 Date Completed July 28/87
 Claim No. PRM 3+00.5 Core Size NQ Drilled By Quest
 Grid No. Angle & Direction -55 S Elevation 1241 Logged By S Weekes

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-21.9	Casing (0-10.4 - overburden)								
21.9-49.4	Altered Dacite Tuff - light green - extremely broken up - brecciated - reworked → sub angular frags - 25-30% clay - 1-3% py in veinlets and blebs - tr sph, tr unknown black sulphide								
49.4-62.8	Andesitic Tuff - dark green - often brecciated - minor sections of clay alteration - (2) may be sections of dacite - contacts are not clear								
62.8-63.2	Massive Sulphide - 60% py, 4% sph, 1% cpy - matrix is extremely altered								
63.2-83.4	Dacite Tuff - dark green - brecciated - sections of extreme clay alteration - up to 70% clay - sections of light green altered Rhyodacite - minor py, sph, black sulphide								
63.2-66.4	- 3% sph, 5% black sulphide - tr ga, 1% py								
71.3-83.4	- relatively unaltered, competent rock - ver coarse brecciation - frags up to 15cm								

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property Project No. 120 Depth Date Began
 Hole No. DAV-11 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
83.4-112.2	Rhyodacite Tuff - light green - brecciated, highly altered - broken up - contacts are brecciated - 1% py, along fractures - minor vuggy sections - zones of competent rock								
	93.0-94.8 0.9 meters of core lost								
	99.8-104.5 5% unknown black sulphide blebs and dendritic texture tr-3% sph								
112.2-119.0	Andesitic Tuff - purple - altered f-spar phenocrysts - relatively unaltered - minor sections of altered Rhyodacite Tuff 1% py along fractures								
119.0-139.3	Rhyodacite Tuff - light green - extremely broken up and altered - brecciated - 1-3% sph, 2% black sulphide, 4% py, tr ga								
	128.9-139.3 - 50%-70% clay								
End of Hole									
	Acid Test - 136.3-36°								
	No recognizable core angles								



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

2 of 3

Property Project No. 120 Depth Date Began
 Hole No. DAN-11 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au. g/t	Ag g/t	Cu.	Zn.	Pb	WIDTH X ASSAY					AVERAGES						
								WIDTH	Au.	Ag.	Cu.	Zn.							
74.5-75.9	33808	1.6	.34	2.0		.77	.01												
75.9-77.1	809	1.2	.29	2.4		1.15	.01												
77.1-78.2	810	1.2	1.01	4.1		1.06	.01												
78.3-79.9	811	1.6	.48	1.1		1.27	.01												
79.9-81.1	812	1.5	1.06	1.1		.53	.01												
81.4-82.2	813	0.9	.54	2.1		.54	.01												
82.2-83.2	814	1.3	.09	2.0		.19	.01												
83.2-84.5	815	0.9	.26	1.3		.23	.01												
84.5-85.5	816	0.9	.62	3.8		.72	.02												
85.5-86.5	817	0.9	.43	2.0		.78	.01												
86.5-87.3	818	0.9	.56	3.2		.67	.01												
87.3-88.2	819	0.9	.32	2.1		.76	.01												
88.2-89.1	820	0.9	1.13	2.6		.88	.01												
89.1-90.0	821	0.9	1.02	3.6		1.31	.01												
90.0-90.9	822	0.9	1.34	2.4		1.01	.01												
90.9-91.8	823	0.9	1.12	4.3		1.11	.02												
91.8-92.8	824	1.0	.59	6.0		.86	.02												
92.8-93.9	825	0.9	1.16	5.7		1.61	.01												
93.9-94.8	826	0.9	.69	.5		.81	.01												
94.8-95.7	827	0.9	.49	2.6		.52	.01												
95.7-96.6	828	0.9	.38	2.1		.68	.02												
96.6-97.5	829	0.9	.08	.7		.47	.01												
97.5-98.5	830	1.0	.20	.6		.49	.01												
98.5-99.4	831	0.9	.25	.6		.33	.01												
99.4-100.3	832	0.9	.59	1.4		1.06	.01												
100.3-101.2	833	0.9	1.79	4.7		1.69	.01												
101.2-102.1	834	0.9	1.15	2.6		1.58	.01												
102.1-103.0	835	0.9	1.75	5.6		1.26	.03												
103.0-104.0	836	1.0	.28	3.0		1.34	.01												
104.0-104.8	837	0.8	.62	2.2		1.02	.01												
104.8-106.0	838	2.0	.36	.8		1.49	.01												
106.8-107.7	839	0.9	.62	4.0		1.18	.03												
107.7-108.6	840	0.9	.10	5.0		1.10	.04												
108.6-109.5	841	0.9	.65	2.0		1.09	.02												
109.5-110.8	842	1.3	48.30	19.5		.53	.14												
110.8-111.7	843	0.9	.15	1.0		1.26	.01												
111.7-112.6	844	0.9	.02	3.0		1.39	.02												
112.6-113.5	845	0.9	.02	1.3		.22	.01												
113.5-114.5	846	1.0	.02	.5		.23	.01												
114.5-115.4	847	0.9	.02	1.0		.56	.01												

N
21

9+00W
3+00S
DAV
11

RC 18

700

Casing

Decite Tuff

Andesitic Tuff

massive Sulphide
60% Py, 5% sph, 1% cpy

Decite Tuff

Allyodactite Tuff

Andesitic Tuff

Allyodactite

14.28 g/t Au - 26.71 g/t Ag - 1.24% Zn - 0.2% Pb
6.3 m

INCLUDES: 21.8 g/t Au - 34 g/t Ag
3.6 m

3 cm sulphides
ALT rhy

100.2
aba

48.3 g/t Au - 19.5 g/t Ag - 0.53% Zn - 0.14% Pb
1.3 m

Granges Exploration Ltd
Davidson Proj # 120
DDH # DAV-11
Section 9+00W
Scale 1:500

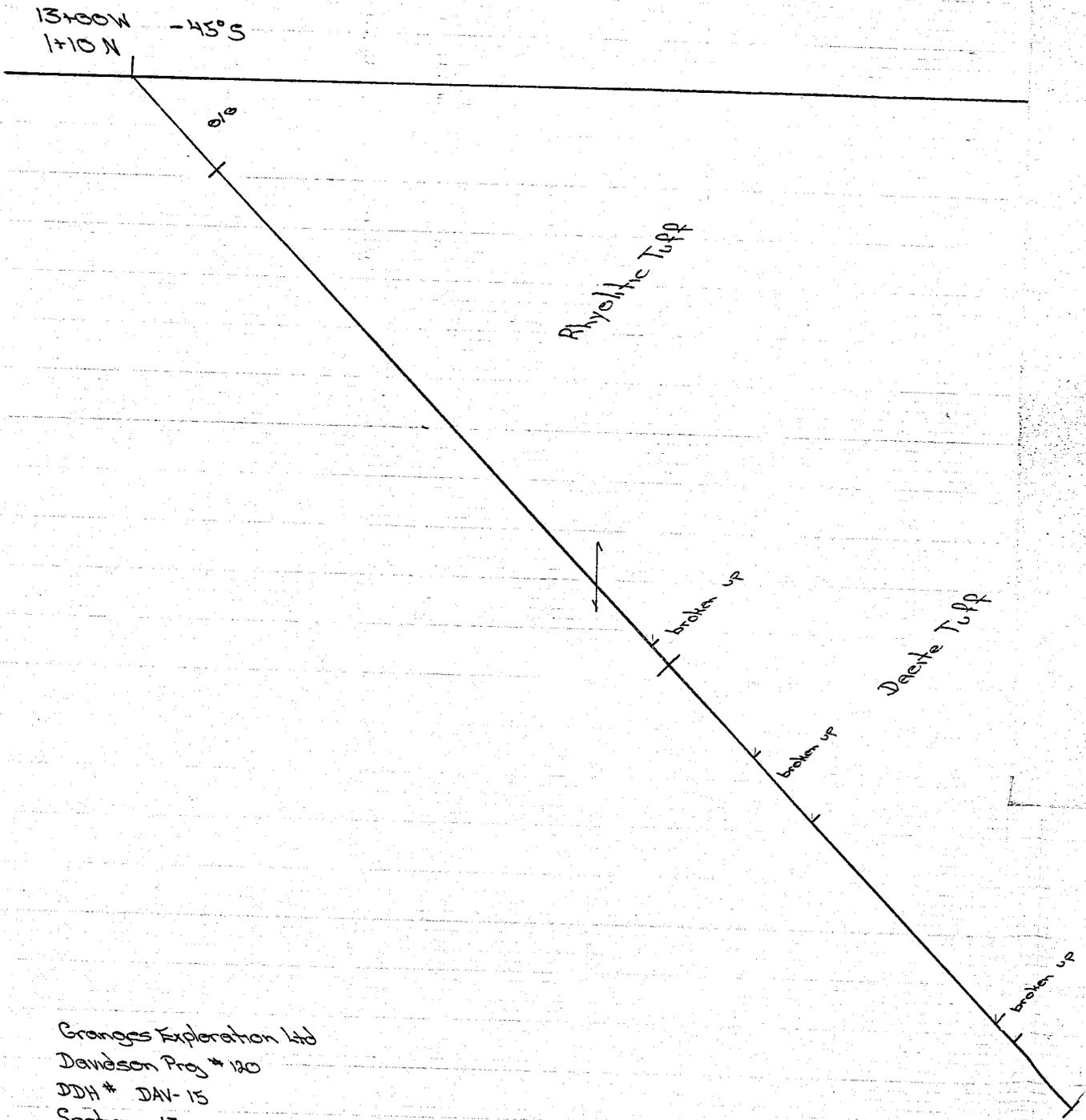
139.3

200


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 144.2 Date Began Aug 5 / 87
 Hole No. DAV-15 Co ord. 13+00 W Horizontal Length 102.0 Date Completed Aug 7 / 87
 Claim No. PEM 1+10 N Core Size NQ Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 830 Logged By S Weekes

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-13.4	Overburden * casing drilled to 32.9								
13.4-82.6	Rhyolitic Tuff - chalk white - extremely brecciated (1) fragments are angular (to 5cm) very little reworking or grinding - 80% of fragments are water worn rhyolitic tuffs (1) minor cherty green sections - tr. 2% unknown black mineral, tr py, tr sph								
13.4-35.1	- extremely broken up - 70% core recovery								
70.7	- core angles of 45° (1) may be related breccia fragments								
79.6-144.2	- extremely broken up - fragments become more dacitic (1) light green								
82.6-144.2	Dacite Tuff - light green - extremely altered, silicified - brecciated - very gradational contact - very broken up - 3-5% black mineral, tr py, tr sph (1) mineralization concentrated in fragments not the matrix								
95.4-104.5	extremely broken up - 30% recovery								
132.4-135.3	extremely broken up - 50% recovery								
End of Hole									



Granges Exploration Ltd
Davidson Prog # 120
DDH # DAV-15
Section 13+00W
Scale 1:500

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property Davidson Proj Project No. 120 Depth 61.6 Date Began Aug 7 / 87
 Hole No. DAV-16 Co ord. 1340 W Horizontal Length 43.5 Date Completed Aug 10 / 87
 Claim No. PEM 0-10 S Core Size NØ Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 96.7 Logged By S Weekes

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-20.1	Overburden								
20.1-21.03	Rhyodacite Tuff - light green - very broken up - extremely altered - no original structures - 1-3% black mineral, 17% sph, tr py								
21.0-35.7	Tri-cone								
35.7-61.6	Rhyodacite Tuff - light green - extremely broken up - altered - brecciated - no original structures - 1-3% black mineral, 17% sph, tr py								
35.7-50.9	- extremely brecciated, rounded fragments - matrix altered and washed away? - interval cemented								
50.9-57.6	- extremely brecciated, rounded fragments - altered matrix washed away - 20% core recovery - interval cemented								
57.6-60.0	- 8% black mineral, 2% sph, tr py								
60.0-61.6									
End of Hole									


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Dawson Proj Project No. 120 Depth 152.7 Date Began Aug 10/87
 Hole No. DAY-16-W1 Co ord. 13+00 W Horizontal Length 1080 Date Completed Aug 12/87
 Claim No. PEM Core Size NQ Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 96.7 Logged By 5 Weeks

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-44.2	see hole DAY-16 * cementing attempt wedged hole off								
44.2-60.35	Rhyolitic Tuff - white - extremely broken up - 95% of fragments are water lean rhyolite - minor sections of light green rhyodacite tuffs - 85% core recovery - brecciated sections - 1% black min, tr py, tr sph								
51.8-53.3	light green section w/ slightly more dacitic								
57.0-59.1	3% black mineral, tr py light green section w/ slightly more dacitic black mineral, tr py								
60.4-113.4	Rhyodacite Tuff - light green - competent - siliceous sections - original textures may be picked out w/ slightly less altered w/ becomes less altered down hole - contacts are very gradational - 5% black mineral, 1% sph, tr py								
76.8-77.1	extremely chloritic section								
78.0-82.3	very broken up 75% core recovery								


GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

 Property Project No. Depth 120 Date Began
 Hole No. DAN-16-61 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
102.9-104.4	24193	1.5	.08	6.0	.30	.47													
104.4-105.9	194	1.5	.11	5.5	.30	.72													
105.9-107.4	195	1.5	.09	6.5	.36	.74													
107.4-109.0	196	1.6	.13	5.5	.36	.63													
109.0-110.5	197	1.5	.18	3.5	.19	.60													
110.5-112.0	198	1.5	.32	4.0	.34	.50													
112.0-113.5	199	1.5	.22	4.5	.32	.40													
113.5-115.1	200	1.6	.27	5.0	.40	.60													
115.1-116.6	201	1.5	.40	5.5	.32	1.44													
116.6-118.1	202	1.5	.14	5.0	.36	.55													
118.1-119.6	203	1.5	.25	4.5	.35	.60													
119.6-121.2	204	1.6	.10	2.5	.74	.51													
121.2-122.7	205	1.5	.22	3.5	.28	.88													
122.7-124.2	206	1.5	.20	1.0	.26	.43													
124.2-125.7	207	1.5	.37	6.5	.48	.74													
125.7-127.3	208	1.6	.30	6.0	.30	.77													
127.3-128.8	209	1.5	.06	4.5	.35	.67													
128.8-130.3	210	1.5	.12	3.5	.20	.53													
130.3-131.8	211	1.5	.21	6.0	.48	.55													
131.8-133.4	212	1.6	.15	5.5	.43	.53													
133.4-134.9	213	1.5	.11	5.5	.42	.84													
134.9-136.4	214	1.5	.03	2.0	.15	.30													
136.4-137.9	215	1.5	.18	7.0	.51	.67													
137.9-139.4	216	1.5	.03	1.5	.19	.37													
139.4-141.0	217	1.6	.05	2.0	.21	.38													
141.0-142.5	218	1.5	.13	4.5	.33	.50													
142.5-144.0	219	1.5	.09	7.0	.45	.67													
144.0-145.5	220	1.5	.05	4.0	.35	.38													
145.5-147.1	221	1.6	.07	4.0	.27	.50													
147.1-148.6	222	1.5	.05	4.0	.30	.45													
148.6-150.1	223	1.5	.06	4.0	.36	.55													
150.1-151.6	224	1.5	.04	1.5	.22	.37													
151.6-152.7	225	1.1	.05	3.5	.33	.35													
End of Hole																			

13400 W
0+10 S

-45° S

top of "wedge" 42.2m -45°

Rhyolitic Tuff

Rhyolodacite Tuff

Dacite Tuff

Granges Exploration Ltd
Dawson Proj # 120
Hole # DA4-16-W1
Section 13400 W
Scale 1:500
(looking grid East)

152.7

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property Davidson Proj Project No. 120 Depth 134.4 Date Began Aug 12/87
 Hole No. DAV-17 Co ord. 14+00 W Horizontal Length 95.1 Date Completed Aug 14/87
 Claim No. 1+10 N Core Size NQ Drilled By Quest
 Grid No. -50° S Elevation 84.3 Logged By S Weekes

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-9.8	Casing								
9.8-100.0	Dacite Tuff								
	- light green								
	- extremely broken up								
	- very strongly altered								
	- no original textures								
	- often brecciated and reworked								
	- 2% black mineral, fr py								
9.8-33.8	30% core recovery								
33.8-43.0	60% core recovery								
67.4-67.9	altered breccia zone with sharp contacts 70° to CA								
97.4-98.9	3ft core lost								
99.0	banding 40° to CA								
94.5	banding 30° to CA								
100.0-134.4	Andesitic Tuff								
	- black								
	- very competent								
	- fragments are sub-angular								
	- minor carbonate								
	- little alteration								
	- fr py								
100.0-111.1	altered								
	- broken up								
20H	Core Angles								
	94.5 - 30°								
	99.0 - 40°								
	Acid test at 134.4 - 46°								

GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

837

Property Project No. 120 Depth Date Began
 Hole No. JAN-17 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	NUMBER	WIDTH	Au.	Ag.	pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
91.1-92.6	2865	1.5	.02	14.5	.06	.16													
92.6-94.1	2866	1.5	.02	45.5	.09	.11													
94.1-95.6	2867	1.5	.02	18.5	.06	.12													
95.6-97.1	2868	1.5	.03	26.0	.08	.19													
97.1-98.6	2869	1.5	.13	18.0	.09	.30													
98.6-100.1	2870	1.5	.05	35.0	.15	.28													
100.1-101.6	2871	1.5	.09	29.5	.11	.17													
101.6-103.1	2872	1.5	.02	18.0	.08	.21													
103.1-104.6	2873	1.5	.04	19.0	.10	.16													
104.6-106.1	2874	1.5	.07	12.5	.06	.21													
106.1-107.6	2875	1.5	.02	15.5	.09	.21													
107.6-109.1	2876	1.5	.02	9.5	.07	.11													
109.1-110.6	2877	1.5	.11	.5	.01	-.01													
110.6-112.1	2878	1.5	.09	.5															
112.1-113.6	2879	1.5	.35	.5															
113.6-115.1	2880	1.5	.07	.5															
115.1-116.6	2881	1.5	.03	.5															
116.6-118.1	2882	1.5	.02	1.0															
118.1-119.6	2883	1.5		.5															
119.6-121.1	2884	1.5		1.0															
121.1-122.6	2885	1.5		.5															
122.6-124.1	2886	1.5		.5															
124.1-125.6	2887	1.5	.08	.5															
125.6-127.1	2888	1.5	.02	.5															
127.1-128.6	2889	1.5																	
128.6-130.1	2890	1.5																	
130.1-131.6	2891	1.5																	
131.6-133.1	2892	1.5																	
133.1-134.6	2893	1.5																	
134.6-136.1	2894	1.5																	
136.1-137.6	2895	1.5																	
137.6-139.1	2896	1.5																	
139.1-140.6	2897	1.5																	
140.6-142.1	2898	1.5																	
142.1-143.6	2899	1.5																	
143.6-145.1	2900	1.5																	
145.1-146.6	2901	1.5																	
146.6-148.1	2902	1.5																	
148.1-149.6	2903	1.5																	
149.6-151.1	2904	1.5																	
151.1-152.6	2905	1.5																	
152.6-154.1	2906	1.5																	
154.1-155.6	2907	1.5																	
155.6-157.1	2908	1.5																	
157.1-158.6	2909	1.5																	
158.6-160.1	2910	1.5																	
160.1-161.6	2911	1.5																	
161.6-163.1	2912	1.5																	
163.1-164.6	2913	1.5																	
164.6-166.1	2914	1.5																	
166.1-167.6	2915	1.5																	
167.6-169.1	2916	1.5																	
169.1-170.6	2917	1.5																	
170.6-172.1	2918	1.5																	
172.1-173.6	2919	1.5																	
173.6-175.1	2920	1.5																	
175.1-176.6	2921	1.5																	
176.6-178.1	2922	1.5																	
178.1-179.6	2923	1.5																	
179.6-181.1	2924	1.5																	
181.1-182.6	2925	1.5																	
182.6-184.1	2926	1.5																	
184.1-185.6	2927	1.5																	
185.6-187.1	2928	1.5																	
187.1-188.6	2929	1.5																	
188.6-190.1	2930	1.5																	
190.1-191.6	2931	1.5																	
191.6-193.1	2932	1.5																	
193.1-194.6	2933	1.5																	
194.6-196.1	2934	1.5																	
196.1-197.6	2935	1.5																	
197.6-199.1	2936	1.5																	
199.1-200.6	2937	1.5																	


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 65.8 Date Began Aug 15/87
 Hole No. DAV-18 Co ord. 14+00W Horizontal Length 46.6 Date Completed Aug 16/87
 Claim No. 1+66 S Core Size NG/NG Drilled By Quest
 Grid No. Angle & Direction -50° S Elevation 121.3 Logged By S. Weekes

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-13.1	Overburden								
13.1-20.0	Brecciated Dacite Tuff - dark grey - moderate alteration of matrix - rounded fragments indicate a very active brecciation or reworking - fractures are oxidized - minor siliceous sections - tr py								
20.0-65.8	Brecciated Rhyodacite Tuff - light grey / light green - relatively competent - fragments are angular to subangular - original textures are extremely hard to determine								
21.6-23.5	- very broken up - 30% recovery (matrix washed away)								
27.4-30.2	- extremely broken up								
30.3-31.1	- 2% black mineral, 2% sph, 1% ga								
31.1-32.3	- 4% black mineral, 1% ga, 1% sph								
End of hole	Hole lost due to cave - water flows prevented cementing								


GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Davidson Proj Project No. 170 Depth 65.8 Date Began Aug 15/87
 Hole No. Dev-18 Co ord. 14400 W Horizontal Length 46.6 Date Completed Aug 16/87
 Claim No. 1466 S Core Size HA/NA Drilled By Quest
 Grid No. Angle & Direction -50° S Elevation Logged By 5 Weeks

INTERVAL FEET / METRES	NUMBER	WIDTH	Au.	Ag.	pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0-13.1	Overburden																		
13.1-14.6	3289	1.5	.06	1.0	.03	.19													
14.6-16.2	3290	1.6	.03	2.0	.01	.11													
16.2-17.7	3291	1.5	.30	.5	.01	.37													
17.7-18.9	3292	1.2	.25	.5	.01	.37													
18.9-20.1	3293	1.2	.16	.5	.01	.39													
20.1-22.6	3294	1.5	.04	.5	.01	.11													
22.6-23.6	3295	1.0	.02	2.0	.02	.13													
23.6-24.6	3296	1.0	.02	3.0	.05	.10													
24.6-25.5	3297	0.9	.05	2.5	.02	.18													
25.5-26.3	3298	0.8	.02	2.5	.07	.29													
26.3-27.1	3300	0.8	.03	2.0	.08	.05													
27.1-28.0	3301	0.9	.17	2.5	.05	.05													
28.0-29.0	3302	1.0	.21	4.0	.07	.14													
29.0-30.2	3303	1.2	.06	1.5	.01	.05													
30.2-30.9	3304	0.7	.09	2.0	.01	.13													
30.9-31.9	3305	1.0	.45	5.0	.04	.87													
31.9-32.9	3306	1.0	.90	5.0	.06	.85													
32.9-33.8	3307	0.9	.14	4.0	.04	.39													
33.8-34.7	3308	0.9	.08	7.0	.07	.20													
34.7-35.7	3309	1.0	.24	4.0	.05	.62													
35.7-36.6	3310	0.9	.53	11.5	.22	.71													
36.6-37.5	3311	0.9	.43	3.5	.09	.46													
37.5-38.4	3312	0.9	.29	7.5	.09	.17													
38.4-39.3	3313	0.9	.11	4.5	.08	.47													
39.3-40.2	3314	0.9	.07	3.0	.03	.27													
40.2-41.1	3315	0.9	.20	1.5	.02	.10													
41.1-42.1	3316	0.9	.21	3.0	.03	.11													
42.1-43.0	3317	0.9	.10	2.0	.02	.18													
43.0-43.9	3318	0.9	.16	3.5	.05	.18													
43.9-44.8	3319	0.9	.19	2.5	.03	.21													
44.8-45.7	3320	0.9	.16	3.5	.05	.19													
45.7-46.6	3321	0.9	.16	1.5	.03	.30													
46.6-47.5	3322	0.9	.13	2.0	.02	.42													
47.5-48.5	3323	1.0	.10	5.0	.07	.30													
48.5-49.4	3324	0.9	.08	5.0	.04	.25													
49.4-50.3	3325	0.9	.02	4.5	.04	.29													
50.3-51.2	3326	0.9	.02	1.0	.01	.17													
51.2-52.1	3327	0.9	.02	2.0	.03	.12													
			.02	1.5	.03	.23													



**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

ANOMALY:

Page

Property Davdson Proj Project No. 120 Depth 100.3 Date Began Aug 21/87
 Hole No. JAN-21 Co ord. 9+00 W Horizontal Length 71 Date Completed Aug 22/87
 Claim No. PEM 2+705 Core Size NO Drilled By Quest
 Grid No. Angle & Grid Direction -55° S Elevation 118.8 Logged By S. Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
0-21.6	Casing								
21.6-67.5	Dacite Tuff - dark grey - many small sections of fine grained andesitic tuff - siliceous - brecciated - minor sections of Rhyodacite Tuff (i) light green (ii) strong clay alteration								
25.0-62.2	- highly fractured - often broken up								
36.4	- 2mm sph, py veinlet								
45.4-46.2	- Rhyodacite Tuff - clay altered, broken up								
46.9-47.4	Rhyodacite Tuff - broken up, strong clay alteration								
59.7-61.6	- 5-15% py								
67.5-77.4	Rhyodacite Tuff - light green - siliceous - fairly competent - often fractured - very fine grained - 1% black mineral, up to 1% sph, 1% py								
67.5-68.1	- extremely broken up, clay alteration								
73.6-75.3	- extremely broken up, clay alteration								
76.2-76.5	- extremely broken up, clay alteration								



**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

ANOMALY:

Page

Property Project No. 120 Depth Date Began
 Hole No. DAN-21 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Grid Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
77.4-86.6	Brecciated Dacite Tuff - dark grey - fragments to 1cm - fragments are sub-rounded - silty fine - tr py								
82.9-86.6	Very broken up								
83.7-83.8	- pyrite rich sand - possible ground massive sulphide								
86.6-94.5	Andesitic Tuff - black - fine grained - competent - minor broken sections - tr py								
94.5-100.3	Rhyodacite Tuff - light green - fine grained - extremely broken up - strong clay alteration								
	94.5 3cm sulphide vein - 30% py, 20% sph, 5% aspy								
End of Hole									


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 144.2 Date Began Aug 19/87
 Hole No. DAV-20 Co. ord. 7+50 W Horizontal Length 102.0 Date Completed Aug 21/87
 Claim No. PEM 2+75 S Core Size NO Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 114.6 Logged By S Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-22.3	Casing								
22.3-38.1	Dacite Tuff - dark grey - silicified - very competent - only moderate alteration - minor andesitic fragments - sub angular fragments - fractures are oxidized								
38.1-43.0	Rhyodacite Tuff - light green - extremely fine grained - strong clay alteration in sections - minor oxidation - tr ga, 1% black mineral								
43.0-63.7	Andesitic Tuff - black - fine grained - silicified - very competent - oxidation, altered contacts								
43.0-49.7	- broken up, clay alteration								
53.3-54.9	- rhyodacite Tuff								
60.8-63.7	- altered - broken up broken up, altered								
63.7-82.7	Dacite Tuff - light grey - many andesitic fragments - med grained - 1 sub rounded fragment to 0.5 cm								


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Project No. 120 Depth Date Began
 Hole No. DAN-20 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
63.7-82.7	cont. - often brecciated and healed - silicified 63.7-69.5 78.0 altered - broken up - 2cm py veinlet								
82.7-100.3	Rhyodacite Tuff - light green - mottled appearance - often brecciated - broken up - altered - sections with white water-lain tuff fragments - many cherry fragments - 3% black mineral, 1% py 96.8-97.8 - 30cm lost core 97.8-99.7 - 1m lost core								
100.3-104.9	Dacite Tuff - dark grey - sharp contact at 70° to CA - brecciated - many cherry fragments - minor altered sections 103.6-104.9 - broken up altered								
104.9-114.6	Andesitic Tuff - black - brecciated - very siliceous - competent - very little alteration - barren								


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 125.88 Date Began August 2/1987
 Hole No. DAV-14 Co ord. 7+00 W Horizontal Length 89.0 Date Completed August 3/87
 Claim No. PEM 1420.5 Core Size NQ Drilled By Quest
 Grid No. Angle & Direction -45° S Elevation 85.1 Logged By S. Weekes

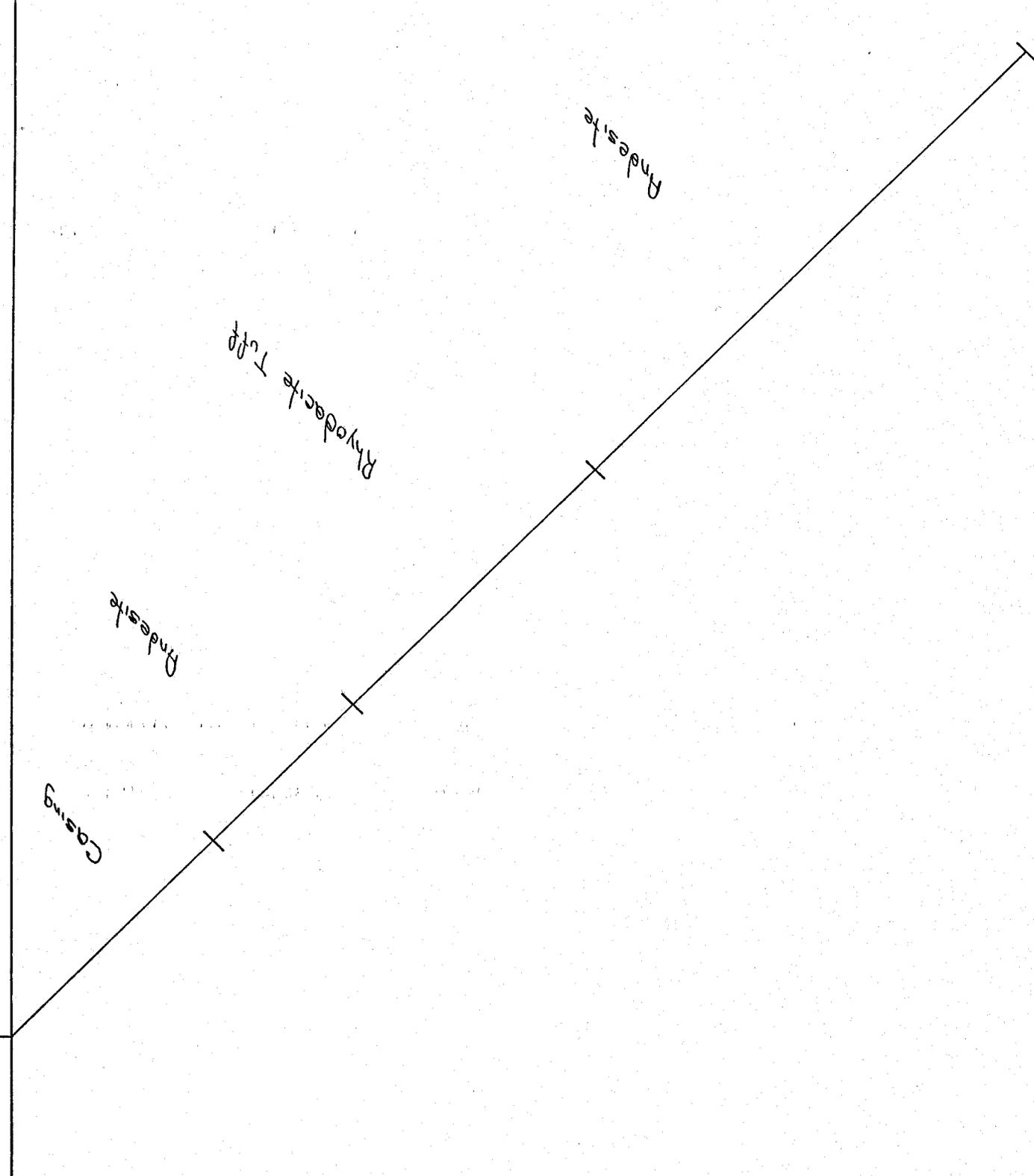
INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0-25.3	Casing								
25.3-42.7	Andesite - dark purple - very little brecciation - slightly altered - minor ferruginous sections - minor sections of dacite - barren								
29.9-30.5	- bright red alteration								
39.9-42.7	- minor py - altered, broken up								
42.7-72.2	Rhyodacite Tuff - light green - moderately altered, broken up - very siliceous zones - 40% siliceous sub angular fragments - tr py, tr sph, tr black sulphide								
43.8-44.9	extremely altered								
72.2-125.9	Andesite - purple - often brecciated - very broken up - moderate alteration - barren								
103.6-115.5	massive, unaltered								
118.3-122.8	altered, 25% clay								
End of Hole									


**GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD**

Property Project No. 120 Depth Date Began
 Hole No. DAN-14 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	NUMBER	WIDTH	Au.	Ag.	Pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
94.2 - 95.7	34037	1.5	.02	2.0	.01	.01													
95.7 - 97.2	038	1.5	"	.5	"	"													
97.2 - 98.8	039	1.6		.5															
98.8 - 100.3	040	1.5		1.0															
100.3 - 101.8	041	1.5		1.0															
101.8 - 103.3	042	1.5		.5															
103.3 - 104.4	043	1.1		.5															
104.4 - 114.9	Waste																		
114.9 - 116.4	044	1.5	✓	.5															
116.4 - 118.0	045	1.6	.05	.5		✓													
118.0 - 119.5	046	1.5	.24	2.5	✓	.26													
119.5 - 121.0	047	1.5	.20	21.5	.17	.28													
121.0 - 122.5	048	1.5	.03	1.0	.01	.03													
122.5 - 124.1	049	1.6	.04	.5	.01	.01													
124.1 - 125.9	050	1.8	.02	2.0	.01	.03													
End of Hole																			

6700 W - 143° S
1480 S



Granges Exploration Ltd
Dewdney Pros #180
DD# DAN-14
Section 7700 W
Scale 1:500


**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property Davidson Proj Project No. 120 Depth 155.75 Date Began July 23/87
 Hole No. DAV-9 Co ord. 8400 W Horizontal Length _____ Date Completed July 25/87
 Claim No. PEM _____ 3485 S Core Size NQ Drilled By Quest
 Grid No. _____ Angle & Direction -45° N Elevation 126.3 Logged By S Weekes

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0 - 28.80	Casing								
28.80 - 71.93	Brecciated Rhyolitic Tuff - light grey - intensely fractured - oxidized - fragments up to 4cm - tr. 3% black sulphide								
34.90 - 36.89	- very broken up - 30% clay - possible fault								
46.63 - 47.24	- 60-70% clay - fault gouge								
54.71 - 56.08	- highly fractured - intense oxidation								
56.08 - 63.40	- very broken up - oxidized								
64.31 - 65.84	- very broken up - 30cm lost core								
65.84 - 71.93	- 3-7% black sulphide, 2% py, tr ga, tr sph								
71.93 - 79.06	Contact Zone - extreme clay alteration - very broken up - rock type unknown								
73.46 - 76.50	- 1.22 meters lost core								
78.03 - 89.61	- light green - 75% clay - possible relic f-spar								


GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property Project No. 170 Depth Date Began
 Hole No. DAV-9 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
71.93-99.06	con't - 1.22 meters core lost 101.80 - 3cm sph/ga/py vein								
99.06-138.07	Brecciated Dacite Tuff - light green - fragments to 15cm - moderately reworked - 65% of fragments are Dacitic - becomes more siliceous down hole - 2% black dendritic mineral - 1-7% py, interstitial and along fractures - tr- 3% sph, tr ga								
	114.91-125.88 - broken up - up to 80% clay								
138.07-155.75	Rhyolitic Tuff - light green - minor brecciated sections - narrow zones of intense clay alteration - 3% dendritic black mineral - 1-4% sph, tr- 1% ge, 1-3% py								
	154.53-155.75 - 70% clay - 76 meters of core lost								
End of Hole	Acid Test - 155.75m - 44° core angles seem to be 45°-75°?								

8+00W -45°N
3+85S

100 F

Casing

1.900 g/t Au - 1.857 g/t Ag - .20% Pb
5.83 M
(INCL. 4.185 g/t Au - 4.3 g/t Ag)
1.86 M

1.781 g/t Au - 7.633 g/t Ag - .15% Pb - .42% Zn
8.23 M
(INCL. 6.17 g/t Au - 5.5 g/t Ag - .18% Pb - .21% Zn)
1.52 M

1.378 g/t Au - 5.085 g/t Ag - .64% Zn
5.52 M
(INCL. 3.24 Au - 7.55 Ag)
1.58 M

16.338 g/t Au - 3.5 g/t Ag - .17% Zn
1.52 M

DRIV
TUFF
Broken -
HIGHLY ALT

108 g/t Au - 320.5 g/t Ag - 8.15% Pb - 2.36% Zn
0.46 M

HIGHLY
ALT -
50% CLAY

144 g/t Au - 8.420 g/t Ag - .20% Pb - .64% Zn
7.32 M

13.52 g/t Ag - .38% Pb - .46% Zn
8.01 M

162.76 M

Brecciated Rhyolite Tuff

Contact Zone

Brecciated Diabase Tuff

Rhyolite Tuff

30% clay

70% clay

70% clay
Outlined
Broken up
9% sulphides
3-7% black sulphide

75% clay

100%

80% clay

70% clay

Granges Exploration Ltd
Davidson Proj # 120
Hole DAV-9
Section 8+00W
Scale 1:500

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ANOMALY:

Page

Property Davidson Prog Project No. 120 Depth 161.8 Date Began Aug 23/87
 Hole No. DAV-22 Co ord. 8+00 W Horizontal Length 114.5 Date Completed Aug 25/87
 Claim No. REM 4+25 S Core Size NB Drilled By Quest
 Grid No. Angle & Grid Direction -45° N Elevation 1309 Logged By S Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
0-12.2	Casing								
12.2-89.2	Oxidized Rhyolitic Tuff -light brown -extremely fine grained -heavily fractured -strong clay alteration -tr sph, tr 1% py 66.4-67.6 dark grey cherty section 75.1-81.7 -little oxidation -1% py, tr ge								
89.2-107.9	Rhyolitic Tuff -light grey / light green -siliceous -highly fractured -it often broken up -many minor cherty sections -2% black mineral, tr 1% sph, tr 1% py 89.2-89.5 pyritic clay rich section 95.7-107.9 extremely broken up								
107.9-140.8	Extremely Altered Rock -light green -50% clay, very broken up -original rock type can not be determined -minor py, sph								


GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

 Property Project No. 120 Depth Date Began
 Hole No. DAN-22 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pt.	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
120.1 - 121.0	4123	0.9	.08	4.0	.07	.61													
121.0 - 121.9	4124	0.9	.09	3.0	.07	.85													
121.9 - 122.8	4125	0.9	.25	1.0	.01	.55													
122.8 - 123.7	4126	0.9	.30	.5	.01	.41													
123.7 - 124.6	4127	0.9	.21	.5	.01	.26													
124.6 - 125.5	4128	0.9	1.84	3.0	.05	.63													
125.5 - 126.4	4129	0.9	.05	1.5	.05	.44													
126.4 - 127.3	4130	0.9	.14	2.0	.03	.27													
127.3 - 128.2	4131	0.9	.05	.5	.03	.67													
128.2 - 129.1	4132	0.9	.45	.5	.07	.37													
129.1 - 130.0	4133	1.0	.78	2.0	.04	.54													
130.0 - 130.9	4134	0.9	.15	5.0	.03	.50													
130.9 - 131.8	4135	0.9	1.34	3.0	.08	.31													
131.8 - 132.7	4136	0.9	.23	1.5	.43	.54													
132.7 - 133.6	4137	0.9	.11	8.0	.29	.75													
133.6 - 134.5	4138	0.9	.23	6.0	.17	.39													
134.5 - 135.4	4139	0.9	1.52	6.0	.12	.22													
135.4 - 136.3	4140	0.9	.14	3.0	.05	.33													
136.3 - 137.2	4141	1.0	.12	2.0	.02	.23													
137.2 - 138.1	4142	1.0	.08	.5	.03	.37													
138.1 - 139.0	4143	1.0	.16	1.0	.03	.13													
139.0 - 140.0	4144	1.0	.33	3.0	.07	.10													
140.0 - 141.0	4145	1.0	.03	2.5	.04	.41													
141.0 - 142.0	4146	1.0	.02	8.0	.22	.46													
142.0 - 143.0	4147	1.0	.02	1.0	.03	.19													
143.0 - 144.0	4148	1.0	.04	2.5	.13	.52													
144.0 - 145.0	4149	1.0	.03	9.5	.34	.65													
145.0 - 146.0	4150	1.0	.02	7.5	.28	.35													
146.0 - 147.0	4151	1.0	.02	5.5	.21	.31													
147.0 - 148.0	4152	1.0	.14	1.5	.05	.18													
148.0 - 149.0	4153	1.0	.12	.5	.01	.21													
149.0 - 150.0	4154	1.0	.02	2.0	.06	.34													
150.0 - 151.0	4155	1.0	.02	17.5	.41	.43													
151.0 - 152.0	4156	1.0	.08	3.5	.11	.12													
152.0 - 153.0	4157	1.0	.05	3.5	.05	.10													

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ANOMALY:

Page

Property Davidson Proj Project No. 20 Depth 82.6 Date Began Aug. 25/87
 Hole No. DAV-23 Co ord. 9+30 W Horizontal Length 584 Date Completed Aug 27/87
 Claim No. PEM 3+15 S Core Size NO Drilled By Quest
 Grid No. Angle & Grid Direction -45° S Elevation 1231 Logged By S Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
0 - 8.8	Casing								
8.8 - 13.7	Rhyodacite Tuff - light green - brecciated - siliceous - angular fragments - very broken up - strong clay alteration								
13.7 - 37.5	Andesitic Tuff - dark grey - purple - minor light green sections - brecciated - sub angular fragments - very chloritic - pyritic - extremely broken up - strongly altered								
37.5 - 63.6	Rhyodacite Tuff - light green - siliceous sections - very strong clay alteration - contact is brecciated - very granular - 1% black mineral, tr sph, tr py 62.2 - 63.6 1% sph, 1% black mineral								
63.6 - 82.6	Dacite Tuff - dark grey - silicified - brecciated sections - highly fractured - 1-5% py								
End of Hole	73.2 - 82.6 → 30% core recovery Hole lost in cone								


**GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD**

 Property Project No. 120 Depth Date Began
 Hole No. DAN-23 Co ord. Horizontal Length Date Completed
 Claim No. Core Size Drilled By
 Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pb	Zn.	WIDTH X ASSAY					AVERAGES							
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0-1.5	11	0.15	1.5	0.01	0.06														
1.5-3.0	12	0.15	1.5	0.01	0.06														
3.0-4.5	13	0.15	1.5	0.01	0.06														
4.5-6.0	14	0.15	1.5	0.01	0.06														
6.0-7.5	15	0.15	1.5	0.01	0.06														
7.5-9.0	16	0.15	1.5	0.01	0.06														
9.0-10.5	17	0.15	1.5	0.01	0.06														
10.5-12.0	18	0.15	1.5	0.01	0.06														
12.0-13.5	19	0.15	1.5	0.01	0.06														
13.5-15.0	20	0.15	1.5	0.01	0.06														
15.0-16.5	21	0.15	1.5	0.01	0.06														
16.5-18.0	22	0.15	1.5	0.01	0.06														
18.0-19.5	23	0.15	1.5	0.01	0.06														
19.5-21.0	24	0.15	1.5	0.01	0.06														
21.0-22.5	25	0.15	1.5	0.01	0.06														
22.5-24.0	26	0.15	1.5	0.01	0.06														
24.0-25.5	27	0.15	1.5	0.01	0.06														
25.5-27.0	28	0.15	1.5	0.01	0.06														
27.0-28.5	29	0.15	1.5	0.01	0.06														
28.5-30.0	30	0.15	1.5	0.01	0.06														
30.0-31.5	31	0.15	1.5	0.01	0.06														
31.5-33.0	32	0.15	1.5	0.01	0.06														
33.0-34.5	33	0.15	1.5	0.01	0.06														
34.5-36.0	34	0.15	1.5	0.01	0.06														
36.0-37.5	35	0.15	1.5	0.01	0.06														
37.5-39.0	36	0.15	1.5	0.01	0.06														
39.0-40.5	37	0.15	1.5	0.01	0.06														
40.5-42.0	38	0.15	1.5	0.01	0.06														
42.0-43.5	39	0.15	1.5	0.01	0.06														
43.5-45.0	40	0.15	1.5	0.01	0.06														
45.0-46.5	41	0.15	1.5	0.01	0.06														
46.5-48.0	42	0.15	1.5	0.01	0.06														
48.0-49.5	43	0.15	1.5	0.01	0.06														
49.5-51.0	44	0.15	1.5	0.01	0.06														
51.0-52.5	45	0.15	1.5	0.01	0.06														
52.5-54.0	46	0.15	1.5	0.01	0.06														
54.0-55.5	47	0.15	1.5	0.01	0.06														
55.5-57.0	48	0.15	1.5	0.01	0.06														
57.0-58.5	49	0.15	1.5	0.01	0.06														
58.5-60.0	50	0.15	1.5	0.01	0.06														
60.0-61.5	51	0.15	1.5	0.01	0.06														
61.5-63.0	52	0.15	1.5	0.01	0.06														
63.0-64.5	53	0.15	1.5	0.01	0.06														
64.5-66.0	54	0.15	1.5	0.01	0.06														
66.0-67.5	55	0.15	1.5	0.01	0.06														
67.5-69.0	56	0.15	1.5	0.01	0.06														
69.0-70.5	57	0.15	1.5	0.01	0.06														
70.5-72.0	58	0.15	1.5	0.01	0.06														
72.0-73.5	59	0.15	1.5	0.01	0.06														
73.5-75.0	60	0.15	1.5	0.01	0.06														
75.0-76.5	61	0.15	1.5	0.01	0.06														
76.5-78.0	62	0.15	1.5	0.01	0.06														
78.0-79.5	63	0.15	1.5	0.01	0.06														
79.5-81.0	64	0.15	1.5	0.01	0.06														
81.0-82.5	65	0.15	1.5	0.01	0.06														
82.5-84.0	66	0.15	1.5	0.01	0.06														
84.0-85.5	67	0.15	1.5	0.01	0.06														
85.5-87.0	68	0.15	1.5	0.01	0.06														
87.0-88.5	69	0.15	1.5	0.01	0.06														
88.5-90.0	70	0.15	1.5	0.01	0.06														
90.0-91.5	71	0.15	1.5	0.01	0.06														
91.5-93.0	72	0.15	1.5	0.01	0.06														
93.0-94.5	73	0.15	1.5	0.01	0.06														
94.5-96.0	74	0.15	1.5	0.01	0.06														
96.0-97.5	75	0.15	1.5	0.01	0.06														
97.5-99.0	76	0.15	1.5	0.01	0.06														
99.0-100.5	77	0.15	1.5	0.01	0.06														
100.5-102.0	78	0.15	1.5	0.01	0.06														
102.0-103.5	79	0.15	1.5	0.01	0.06														
103.5-105.0	80	0.15	1.5	0.01	0.06														
105.0-106.5	81	0.15	1.5	0.01	0.06														
106.5-108.0	82	0.15	1.5	0.01	0.06														
108.0-109.5	83	0.15	1.5	0.01	0.06														
109.5-111.0	84	0.15	1.5	0.01	0.06														
111.0-112.5	85	0.15	1.5	0.01	0.06														
112.5-114.0	86	0.15	1.5	0.01	0.06														
114.0-115.5	87	0.15	1.5	0.01	0.06														
115.5-117.0	88	0.15	1.5	0.01	0.06														
117.0-118.5	89	0.15	1.5	0.01	0.06														
118.5-120.0	90	0.15	1.5	0.01	0.06														
120.0-121.5	91	0.15	1.5	0.01	0.06														
121.5-123.0	92	0.15	1.5	0.01	0.06														
123.0-124.5	93	0.15	1.5	0.01	0.06														
124.5-126.0	94	0.15	1.5	0.01	0.06														
126.0-127.5	95	0.15	1.5	0.01	0.06														
127.5-129.0	96	0.15	1.5	0.01	0.06														
129.0-130.5	97	0.15	1.5	0.01	0.06														
130.5-132.0	98	0.15	1.5	0.01	0.06														
132.0-133.5	99	0.15	1.5	0.01	0.06														
133.5-135.0	100	0.15	1.5	0.01	0.06														
135.0-136.5	101	0.15	1.5	0.01	0.06														
136.5-138.0	102	0.15	1.5	0.01	0.06														
138.0-139.5	103	0.15	1.5	0.01	0.06														
139.5-141.0	104	0.15	1.5	0.01	0.06														
141.0-142.5	105	0.15	1.5	0.01	0.06														
142.5-144.0	106	0.15	1.5	0.01	0.06														
144.0-145.5	107	0.15	1.5	0.01	0.06														
145.5-147.0	108	0.15	1.5	0.01	0.06														
147.0-148.5	109	0.15	1.5	0.01	0.06														
148.5-150.0	110	0.15	1.5	0.01	0.06														
150.0-151.5	111	0.15	1.5	0.01	0.06														
151.5-153.0	112	0.15	1.5	0.01	0.06														

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ANOMALY:

Page

Property Davidson Proj Project No. 120 Depth 320 Date Began Aug 20/87
 Hole No. DAV-24 Co ord. 9430 W Horizontal Length 22.6 Date Completed Aug 20/87
 Claim No. PEM 270 S Core Size NO Drilled By Quest
 Grid No. Angle & Grid Direction -45° S Elevation 119.0 Logged By S. Weekes

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD				Au G/T	Ag G/T	Cu %	Zn %
		FROM	TO	SAMPLE	WIDTH				
0-15.5	Casing	15.5	17.1	41830	1.6	.02	.5	.01	.04
15.5-32.0	Andesitic Tuff	17.1	18.6	331	1.5	.02	1.0	.02	.11
	- dark purple	18.6	20.1	332	1.5	.02	.5	.01	.08
	- minor siliceous sections	20.1	21.6	333	1.5	.42	2.0	.05	.19
	- extremely broken up	21.6	23.2	334	1.6	.02	.5	.01	.07
	- strong clay alteration	23.2	24.7	335	1.5	.02	4.5	.13	.42
	- fr py along fractures	24.7	26.2	336	1.5	.02	.5	.03	.07
		26.2	27.7	337	1.5	.02	.5	.01	.04
End of Hole		27.7	29.3	338	1.6	.02	2.5	.08	.14
		29.3	30.5	339	1.2	.02	.5	.02	.10
		30.5	31.5	340	1.0	.04	5.0	.14	.23
	Hole lost in extreme cave	31.5	32	lost core					

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

ZONE:

Page 1 of 1

Property Davidson Proj Project No. 120 Depth 71.93 Date Begun Oct 24 / 87
 Hole No. DAK-25 Co ord. 945W Horizontal Length 400 Date Completed Oct 26 / 87
 Claim No. 320S Core Size NQ Drilled By Quest
 Grid No. Angle & Grid Direction 50° S30° E Elevation 123.4 Logged By S. Weekes

INTERVAL FEET / METRES	MAJOR GEOLOGICAL CODE	DESCRIPTION	INTERVAL FEET / METRES	MINOR GEOLOGICAL CODE
0-34.14		Casing		
34.14-71.93		Andesite Tuff - black to purple - fine grained - " wings lepill sections - chloritic fractures - minor sections of intermediate lepill tuffs - dacitic fragments within the andesite		
		39.01-44.26 Intermediate Lepill Tuffs - light grey - silty - minor sph, fr ga, 150 py - strong clay alteration - very broken up		
		47.85-49.38 Intermediate Lepill Tuff - 95% above		
		53.04-54.86 - minor py bands		
		59.39-71.93 * Fault gouge 59.39-64.62 50% recovery 64.62-70.10 no core - frl-concng 70.10-71.93 30% recovery		
		End of Hole		
		* Hole lost in fault		



GRANGES EXPLORATION LTD.
DIAMOND DRILL RECORD

Property Davidson Proj Project No. 120 Depth 71.93 Date Began Oct 24/87
 Hole No. DAV-25 Co ord. 9415 W Horizontal Length Date Completed Oct 26/87
 Claim No. 320 S Core Size NQ Drilled By Quest
 Grid No. Angle & Direction -50° S30E Elevation Logged By S. Weekes

INTERVAL FEET/METRES	NUMBER	WIDTH	Au.	Ag.	Pb	Zn.	WIDTH X ASSAY					AVERAGES								
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.				
0-34.75	Casing																			
34.75-35.97	000	1.22	.35	.25	.07	1.05														
35.97-37.19	001	1.22	.32	.80	.24	1.04														
37.19-38.10	002	0.91	.08	.45	.13	.51														
38.10-39.01	003	0.91	.11	.45	.19	.74														
39.01-39.75	004	0.74	.19	.30	.45	.72														
39.75-40.54	005	0.79	.25	.25	.44	.72														
40.54-41.45	006	0.91	.36	1.00	.31	.79														
41.45-42.37	007	0.92	.27	.38	.08	.78														
42.37-43.28	008	0.91	.27	.25	.04	1.04														
43.28-44.96	009	1.68	.23	.0	.01	.13														
44.96-45.77	010	0.76	.06	.35	.12	.30														
45.77-46.79	011	1.02	.03	.25	.10	.35														
46.79-48.16	012	1.37	.27	.95	.26	.98														
48.16-49.07	013	0.91	.42	1.85	.55	1.02														
49.07-49.83	014	0.76	.40	13.0	.52	.75														
49.83-50.90	015	1.07	.02	.65	.24	.49														
50.90-52.73	016	1.83	.05	1.5	.05	.53														
52.73-54.56	017	1.83	.03	.35	.11	.42														
54.56-55.78	018	1.22	.22	1.5	.05	.45														
55.78-56.85	019	1.07	.07	1.5	.04	.20														
56.85-58.22	020	1.37	.10	15.0	.24	1.12														
58.22-59.74	021	1.52	.02	1.5	.02	.20														
59.74-60.50	022	0.78	.02	.5	.01	.39														
60.50-61.26	023	0.76	.05	1.0	.02	.23														
61.26-62.18	024	0.92	.02	3.0	.08	.25														
62.18-63.09	025	0.91	.03	1.0	.03	.15														
63.09-64.62	026	1.53	.04	.75	.11	.63														
64.62-70.10	NQ																			
70.10-71.02	027	0.92	.04	15.5	.16	.63														
71.02-71.93	028	0.91	.14	15.5	.15	.69														
End of hole																				

9+15W
3+20S -50° S 30° E

Casing

Andesitic Tuff

fault

71.93

Granges Exploration Ltd
Davidson Proj #120
Hole # DAV-
Claim - DMM
Scale 1:500

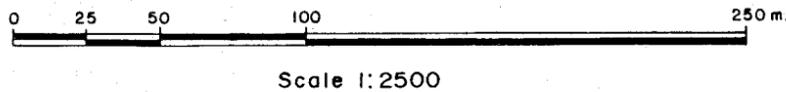
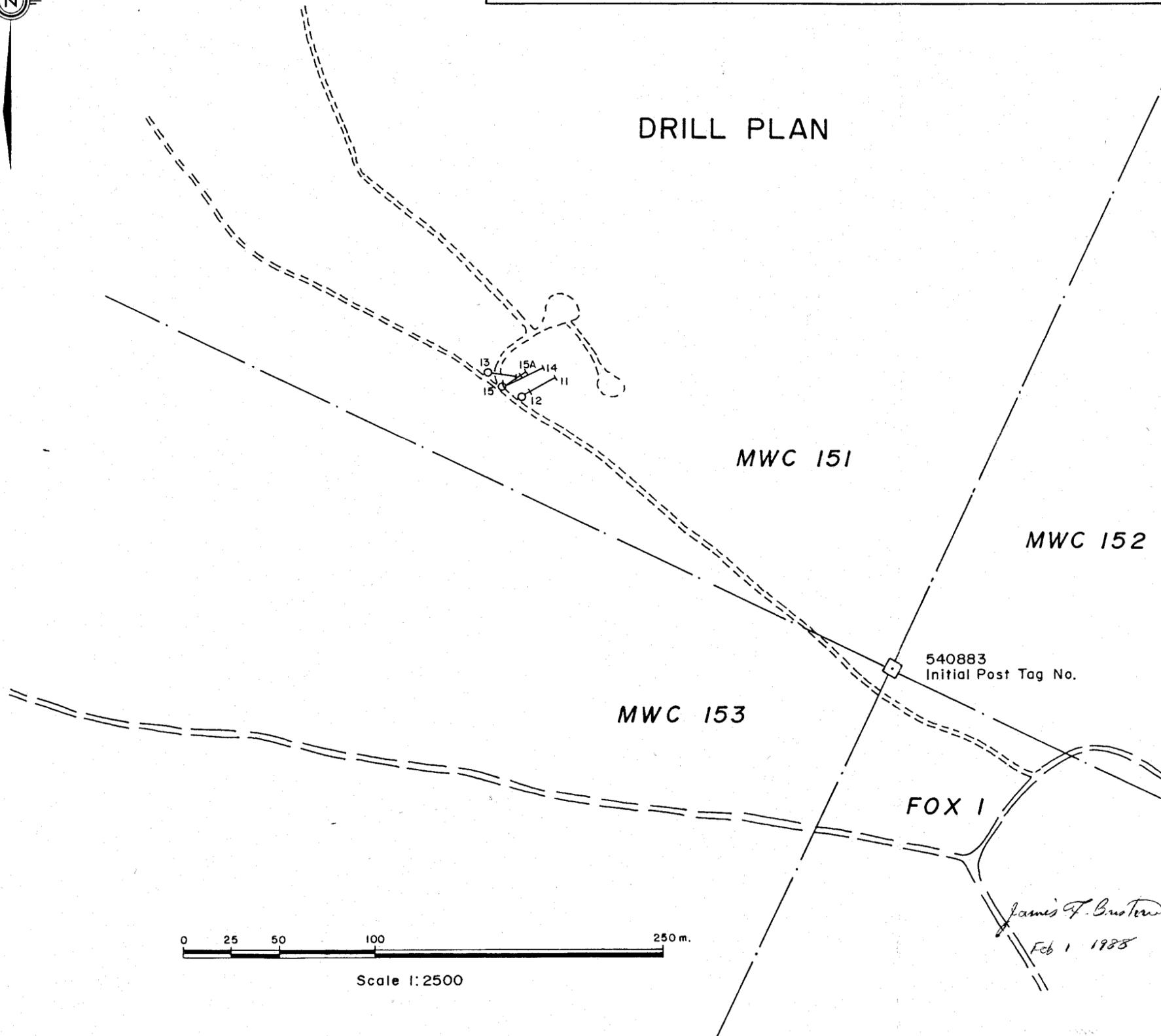
Looking North



LEGEND

-  Diamond drill hole.
-  Claim post.
-  Claim boundary.
-  Access road.
-  Main road.

DRILL PLAN

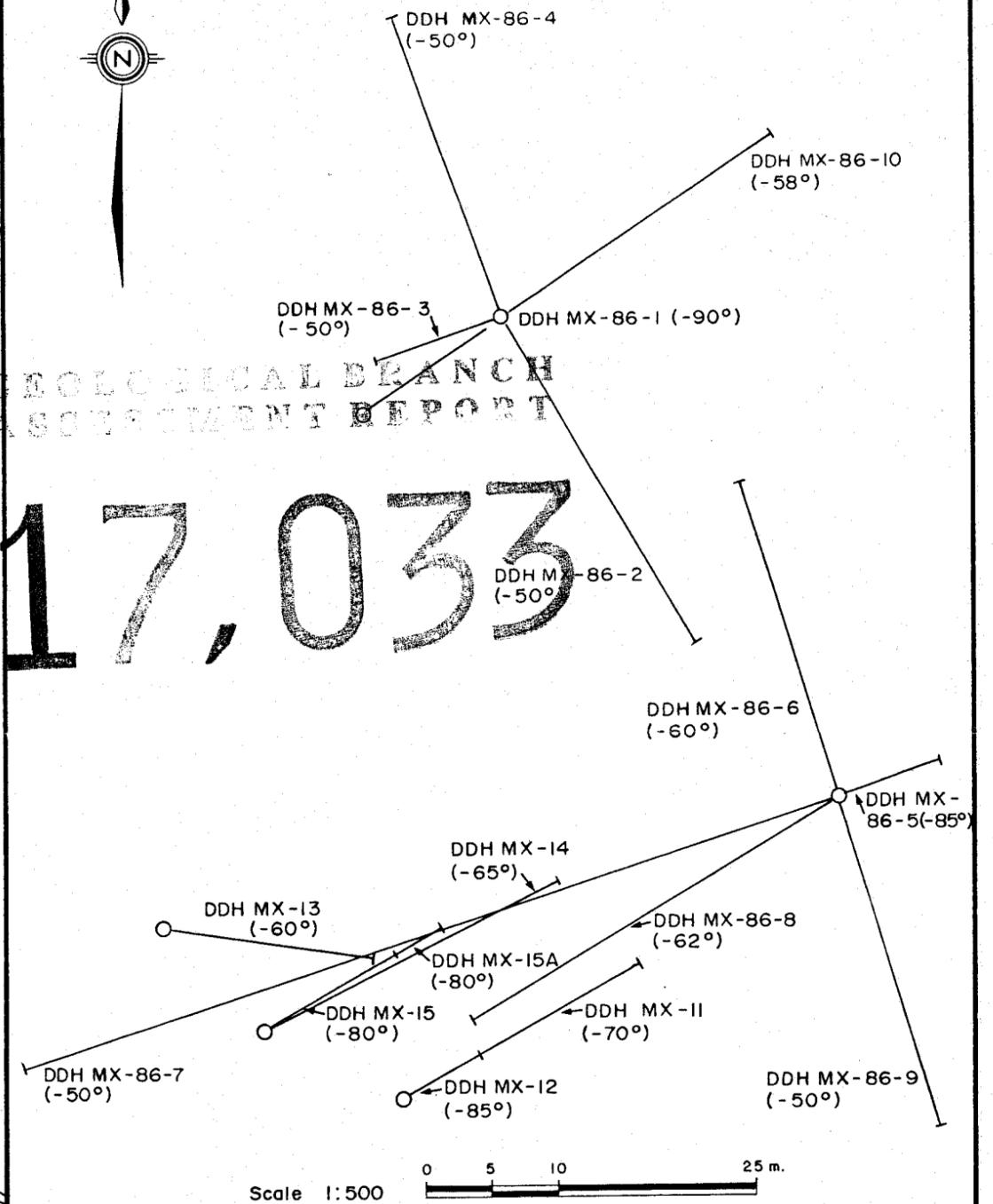


DETAILED DRILL HOLE PLAN



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,033



BETTER RESOURCES LTD.

Scale: As shown	Approved by: J.F. Bristow P. Eng.	Drawn by:
Date: Jan., 1988		Revised:

DIAMOND DRILL PLAN

RAINBOW GROUP

Figure: 4

DIAMOND DRILL CORE LOG - SAMPLE RECORD

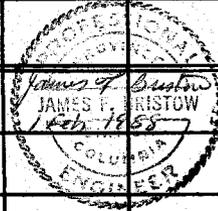
1 of 4

DEPTH	DIP	BEARING AST.
COLLAR	-80°	060°

PROPERTY MT. WASHINGTON (MUREX) CLAIM MWC 151
 LATTITUDE STARTED MAY 29 1987
 DEPARTURE FINISHED JUNE 1 1987
 ELEVATION TOTAL LENGTH 221' (67.4M)

LOGGED BY JFB
 CORE SIZE B9
 SECTION
 HOLE NO. Mx-15

ft	Footage (M)	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0	(0)										
(2.44)	8	Overburden									
(2.9)	9 1/2	Leucocratic dioritic rubble									
(12.3)	40 1/2	Mainly highly altered siltstone(?) Sediment (?)									
		Mainly angular fragments recovered									
		9 1/2 - 12'; 15 - 16'; 18 - 21 1/2'; 25 - 25 1/2'; 26 - 27'; 31 - 31 1/2' and 35 - 37'									
		19' - 2' Gouge upper Contact									
		40° to C.A.									
		Short sections have brownish colour due to development of biotite									
		12 - 15' fracture plated E py & sp									
(20.1)	66	Volcanic Fragmental (?) partially water sorted (?) angular to sub rounded fragments up to 4cm									
		41 1/2 - 43 1/2 - Crushed zone 5-10% py as veinlets and patches									



DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY MT WASHINGTON (MUREX)

HOLE No. Mx-15 Page No. 2 of 4

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	56-66 Minor disseminated po									
	po occurs as irregular blebs in fragments and in matrix									
	61.5-61.7 gt Veinlet - 30° to CA									
	100% sulphides po & cpy									
	63.6-64.0 gt ₂ vein 1.5% Cu									
	1% po, lower contact 30° to CA									
66(20.1) (21.8) 71 1/2	Mainly angular fragments recovered									
	Volcanic - 30% Core recovery									
71 1/2 (21.8) (32.3) 106	Massive Volcanic / basalt (?)									
	badly fractured only angular fragments recovered									
	86-87, 89 1/2 - 91 1/4									
	shear zone 103-106 / 75% recovery									
	chloritic									
	gt ₂ /calcite veining 72 1/2 - 87 1/2									
	very minor sulphides									
	short sections up to 1' have									
	amygdaloidal appearance									
106(23.3) 148.91/160 1/2	Basalt - amygdaloidal - chlorite/biotite alteration									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY MT. WASHINGTON (MUREX)

HOLE No. Mx-15 Page No. 3 of 4

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	very occasional disseminated no more siliceous than upper part of hole - becomes increasingly more bleached and altered adjacent to fractures 140-160 1/2									
160 1/2 (489)	142-142 1/2 brecciated 10% epidote		30003	155 1/2	160 1/2	5.0	0.05		TL	0.06
35) 175 1/2	Basalt - patchy heavy very dark green chlorite / biotite		30004	160 1/2	165 1/2	5.0	0.57		0.011	0.14
	Coarse Breccia 160 1/2 to 175 1/2									
	veinlets and patches massive		30005	165 1/2	170 1/2	5.0	0.56		TL	0.14
	po f cps		30006	170 1/2	175 1/2	5.0	0.56		TL	0.14
	original rock type totally obliterated by alteration and mineralization									
75 1/2 (53.5)	Fine grained hornfelsed volcanic		30007	175 1/2	180 1/2	5.0	0.13		TL	TL
1) 184	Minor sulphides platting some fractures.									
84 (56.1)	176 - 1 1/2" qtz Ven @ 20° to CH.									
4) 195	Amygdaloidal Basalt - silicified - no sulphides.									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY MT WASHINGTON (MUREX)

HOLE No. MY-15 Page No. 4 of 4

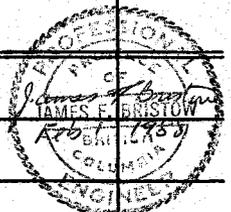
Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.	
195 (59.4)	MAINLY massive altered basalt 188-188.7 fine breccia cemented c 9/13, up to 5% po in matrix, maximum fragment size 2 cm 188.7-200 1/2 - 10% mottled epidote Blebs & fine fracture fillings of cpy & po throughout										
58) 216			30008	201	206	5.0	0.10		TL	TL	
				30009	206	211	5.0	0.13		TL	TL
				30010	211	216	5.0	0.16		TL	TL
16 (65.8)	Basalt - Fine grained 216 to 219 brecciated - maximum core length 0.4 ft 217.8 - 1/8" po veinlet 40° to CH 75% Core Recovery 219 - 221 only angular fragments recovered - no mud 50% core recovery - Reported fault. Lost DDH @ 221 ft. (67.4 m)										
4) 221											

DIAMOND DRILL CORE LOG — SAMPLING RECORD

DEPTH	DIP	BEARING AST.
COLLAR	- 85°	60° Az

PROPERTY Mt. WASHINGTON (MUREX) CLAIM MWC 151
 LATITUDE STARTED MAY 24 1987
 DEPARTURE FINISHED MAY 26 1987
 ELEVATION TOTAL LENGTH 246' (74.98)

LOGGED BY PBM
 CORE SIZE BQ
 SECTION
 HOLE NO. MX-12



Fl Footage (M)	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0										
(2.44) 8	Overburden, diorite + sandstone rubble									
8 (2.44)										
(3.35) 11	Siltstone, greenish black, Comax Fr(?) Broken core, maximum length 6.5cm recovered									
11 (3.35)										
(4.42) 14.5	Coarse sandstone, contains pebbles up to 3cm									
14.5 (4.42)										
(14.78) 48.5	Interbedded sandstone/siltstone mainly, greenish colour (chertic?) → 39.5 - 42 Conglomerate, angular to subrounded fragments ~ 5% Po → 45.5 irregular sedimentary									
48.5 (14.78)										
(23.16) 76	Volcanic (?) Fragmental, angular to subangular fragments, some appear to be siltstone minor Po mineralization (< 5%) associated with fractures									
76										

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY Murex

HOLE No. MX-12 Page No. 2 of 6

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
76(23.16) (43.28) 142	Massive amygdaloidal Basalt with minor Po veinlets → 79-80.4 Qtz veins 1.25-2.5cm 30° to core axis. Po, minor cp ~5% of total → 85.5 brecciated, Po seen (<u><5%</u>) → 86.4 Qtz vein po, minor cp 30° to core axis → 88-91 Brecciated, minor Po & Qtz veinlets 80° to axis cf core → 91.5-94.5 Po-Qtz veins 30° to axis, 0.3 cm wide, 1cm alteration halo on either sides of veins — possibly chlorite alteration → 100.5-102.7 Brecciated, Fragments up to 2.5 cm in size minor Po, epidote									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY Murex

HOLE No. MX-12 Page No. 3 of 6

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	→ 105.5' : 1.25 cm Quartz vein, Pot minor Cp Found									
	→ 106.0-107.2 Brecciated, minor Cp + Po, core broken up									
	→ 111-114.5 Brecciated, Fragm- ents up to 5cm. Quartz vein									
	@ 111.7, 1.25cm wide, 50° to core axis, minor Po + Cp									
	→ 117.7-118.5 Brecciated, interstices filled with quartz, Fragments up to 5cm									
	→ 120-142' core well broken up									
	→ 120.5: 0.6 cm Quartz vein, 45° to core axis, minor Po + Cp									
	→ 122-123.7 Brecciated, core shattered into ~2.5cm pieces									
	→ 126-127.5 Brecciated, distinct light brown to white colour, white fragments up 2.5cm, average									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY Murex

HOLE No. MX-12 Page No. 4 of 6

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	minor Po & Cp.									
	→ 134.5. 2mm Quartz vein, with ^{minor} Po & Cp, 10° to core axis									
	→ 140-142 Po disseminated, ~5% Massive amygdaloidal Basalt, very little miner- alization									
142 (43.28) 4.98) 246.9	→ 142-146 Brecciated, silici- fied, minor disseminated Po & Cp									
	→ 156-158 Broken up, last 1/2 foot gauge									
	→ 176-176.5 Qtz. vein, 5cm wide, 45° to axis brecciated From 176-176.5 Minor Po & Cp									
	→ 186.7' Quartz vein 45° to axis, 4mm wide, Po + Minor Cp, Alteration 1cm on either side of vein, bio tchl rich									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY Murex

HOLE No. MX-12 Page No. 5 of 6

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	→ 191-191.2 Quartz Vein 0.2' wide, minor Po + Cp, 60° to axis, 0.65' Foot alteration on either side of vein, bio tch/ vch alteration (same as above)									
	→ also contains 0.3cm veinlets, Po + Minor Cp, 30° to axis									
	- 3cm wide haloes on either side of veinlets superimposed on main alteration halo									
	→ 195.5 minor Cp < 5%									
	→ 197 Qtz - Po - Cp veins 30° to axis									
	→ 200' 1mm wide Qtz - Po - Cp veins 30° to axis, 1cm wide alteration halo, Keflin + chlorite (?)									
	→ 202-202.5 Brecciated, up to 2cm wide fragments, 5% Po									
	→ 229.5 Quartz vein 10° to axis, 4mm wide, barren, some Epidote associated									

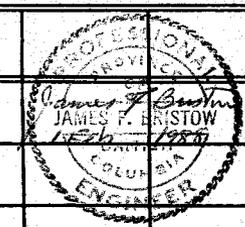
DIAMOND DRILL CORE LOG - SAMPLER RECORD

DEPTH	DIP	BEARING AST.
COLLAR	-60	098'

PROPERTY Murex MT WASHINGTON CLAIM MWC-151
 LATITUDE STARTED May 26/87
 DEPARTURE FINISHED May 27/87
 ELEVATION TOTAL LENGTH 105 Feet (32.0 meters)

LOGGED BY PBM
 CORE SIZE BQ
 SECTION
 HOLE NO. MX-13

ft Footage (M)	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0	Overburden: Sandstone / Siltstone / basalt rubble									
3.05 (10)										
10 (3.05)	Volcaniclastic Fragmental									
13.81 (3.81)	Fragments up to 1cm Greenish-black									
12.6 (3.81)	Greenish black siltstone									
4.15 (4.15)	Volcaniclastic (same as above)									
13.6 (4.15)	Quartz vein, 3mm wide @ 17.5', 45° to axis of core									
7.07 (7.07)										
23.2 (7.07)	Siltstone, contact between it & above well developed @ 23.2, 45° to axis.									
11.74 (11.74)	→ 26.4 - 26.8 Brecciated Fragments up to 1cm wide. Silicified, Po + Cp (10%) mineralization - Quartz veins at 26.4', 45° to axis, Po + Cp ^{also} present									
38.5 (11.74)	Light cream coloured, equigranular, brachiopod Flakes seen (~20% Bio) Possibly alternatin associated with Quartz vein (see later)									
12.04 (12.04)										



E-700

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY Murex

HOLE No. MX-13 Page No. 20F3

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
39.5/12.04 12.19) 40.0	Quartz vein, 10% Sulphides (Cp + Minor Po) 30° to axis	Cp + Minor Po	30320 30320	39.5	45.0	5.5'	0.52	—	Tr	0.11
46/12.19 15.09) 49.5	Brecciated Volcanics blocks > 6 inches present. Interstices Filled with Quartz + Minor Cp/Po (<5%) Numerous Quartz veins From hairline to 3/16" wide	Cp + Minor Po	30321 30321	45.0	50.0	5.0'	0.26		Tr	0.03
49.5/15.09 12.00) 105	Massive brecciated basalt Silicified + altered (mainly chl alth) Qtz veins, hairline to 0.5cm, minor. Po + Cp, various orientations of veins → 55'-59' Distinctive section: dark brown black Fragments up to 5", interstices light green, very chlorite rich → 63.8 Po/Py veinlets ~ 5% of total 0.2cm wide, microfaults x cut veinlets, 1-2mm of displacement → 65-65.5 minor disseminated Po + Cp < 5% of total → 66-66.5 same as above.									

DIAMOND DRILL CORE LOG - SAMPLER RECORD

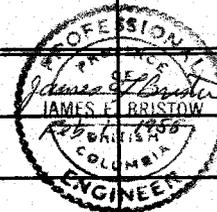
1/24

DEPTH	DIP	BEARING AST.
COLLAR	-70°	60° N12

PROPERTY MT WASHINGTON MUREK CLAIM MWC 151
 LATITUDE STARTED MAY 23 1987
 DEPARTURE FINISHED MAY 24 1987
 ELEVATION TOTAL LENGTH 200 ft (60.96m)

LOGGED BY JFB & PBM
 CORE SIZE B9
 SECTION
 HOLE NO. MX-11

(ft) Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0 (0)										
3.35 (11)	boulders - fine grained sandstone and diorite									
11 (3.35)	Mainly medium grained Sandstone	13 to 14.5 - 20 to 30%								
(5.00) 16.4	- with an occasional sub angular to rounded fragment up to 5mm	40% pyrite (Pe)								
16.4 (5.00)	Interbanded siltstone - very fine grained Sandstone and minor greywacke									
10.8 (10.8)	24' banding 90° to CR									
	grey green colour of rock maybe due to chloritic alteration									
35.5 (10.8)	pebble conglomerate (?) fragments									
12.3 (12.3)	sub angular to rounded - volcanic fragmental (?)									
	38.0 to 40.5 disseminated sulphides									
	15 to 20% - 60-70% no balance py.									
40.5 (12.3)	Siltstone (?)									
3.6 (44.5)										
44.5 (13.6)	Volcanic Fragmental - Fragmented									
1.3 (70)										



DIAMOND DRILL CORE LOG -- SAMPLE RECORD

PROPERTY MT WASHINGTON

HOLE No. Mx-11 Page No. 2 of 4

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	Karmutsen Basalt (P)									
	greenish fine grained rock									
	sample (split) core has									
	tuffaceous appearance									
	transition from sediments to									
	volcanics appears gradual									
	not an unconformity.									
	Some section has appearance of									
	large unmineralized blocks									
	cemented with very fine matrix									
	of same material									
	occasional darker fragment									
	maybe corundum									
	heavy py with py f. minor									
	chalc 63-67 rounded fragments		30315	63	68	5.0	0.07		Tr	Tr
	of corundum up to 5cm									
70 (21.3)	Mainly amygdaloidal Basalt									
96) 200	Massive generally lighter									
	coloured than previous section (?)									

DIAMOND DRILL CORE LOG -- SAMPLE RECORD

PROPERTY MT WASHINGTON

HOLE No. MX-11 Page No. 3 of 4

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	occasional 1/8 to 1/2" sulphide band									
	86-88' irregular qtz sulphide veinlets up to 1/2" some chalc 30° to 40° to CH.									
	96-97.5 badly fractured core									
	105-105.8 qtz vein patchy po.		30316	105	110	5.0	0.31		Tr	0.03
	107-108 veinlets & disseminated patchy po. (.5 Cu)									
	110.5 to 111.5 nearly massive po									
	105 - 115.5 brecciated									
	111.5 - 115.5 - 5 to 10° po in fractures and matrix fillings		30317	110	116	6.0	0.04		Tr	Tr
	prominent fractures 11 to core & 40° to CH.		30318	126	131	5.0	0.29		Tr	0.03
	118 - 144' badly fractured ground maximum core length 3 1/2", 5 to 10% patchy disseminated po.		30319	157.5	162.5	5.0	0.03		Tr	Tr
	114 - 192.5 massive basalt (?) minor sulphide veinlets very widely spaced +2'									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

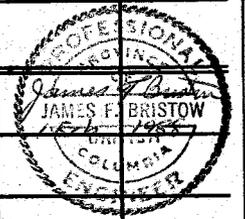
19

DEPTH	DIP	BEARING AST.
COLLAR	-65	063°

PROPERTY MT WASHINGTON (MUREX) CLAIM MWC 151
 LATITUDE STARTED MAY 28 1987
 DEPARTURE FINISHED MAY 29 1987
 ELEVATION TOTAL LENGTH 195' (59.44)

LOGGED BY PBM & JFB
 CORE SIZE B9
 SECTION
 HOLE NO. Mx-14

ft Footage (M)	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0										
3.26 (10.7)	Overburden - Mainly Dioritic - Volcanic rubble									
10.7 (3.26)										
15.7 (51.5)	Interbedded Siltstone - Volcanic fragmental - same dark fragments (concrete?) partially water sorted fragments up to 1/2 cm, angular to sub rounded 16-22 badly broken ground maximum core length 1 1/2" 23 - 3" mud - fault gouge 29-32 same as 16-22									
51.5 (15.7)										
57.7 (17.7)	Volcanic Fragmental									
81 (24.7)	Basalt - Brecciated (?) very large blocks attached at boundaries and cemented with fragments and fine material same material as blocks.									



DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY MT. WASHINGTON (MUREX)

HOLE No. MX-14 Page No. 2 of

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	69-82 altered - lighter colour chloritic over short sections.									
81 (24.7) 5.6) 84	Same rock as 58-81, mainly angular fragments recovered									
34 (25.6) 8.4) 93	Basalt amygdoloidal over short sections.									
3 (28.4) 9) 101 1/2	Same rock as above - only fragments recovered - 80% core recovery									
	101 1/2 - 2" breccia cemented ± carbonate									
101 1/2 (30.9) 4) 122.8	Basalt - Brecciated	po	30322	112	119	7.0	0.06		TL	TL
	112-119 partially crushed and healed -									
	112-112 1/2 patchy epidote po and minor cpy associated ± silicification.									
22.8 (37.4) 14) 136.4	Basalt well fractured silicified - chloritized 132-134	po py	30323	132	136.4	4.4	0.13		TL	TL

193

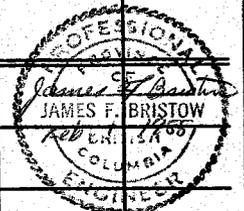
DIAMOND DRILL CORE LOG - SAMPLE RECORD

DEPTH	DIP	BEARING AST.
COLLAR	-80'	060

PROPERTY MT WASHINGTON (MUREX) CLAIM MWC 151
 LATITUDE STARTED JUNE 3 1987
 DEPARTURE FINISHED JUNE 4 1987
 ELEVATION TOTAL LENGTH 296 ft (90.22 M)

LOGGED BY JFB
 CORE SIZE NQ
 SECTION
 HOLE NO. Mx-15A

Footage (M)	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0										
(34.1) 112	REMOVED Mx-15									
112(34.1)	Basalt Amygdaloidal Massive									
145.7) 150	hole wanders 112 to 131 before full core diameter recovered. Fractured - maximum core length 1.0ft. Minor py, mag, po & cpy on some fractures eg 129 - 1/2 qtz/sulphide filled veinlet 25° to CA.									
150(45.7)	Basalt Amy		30026	155	160	5.0	0.06		Tr	0.01
148.8) 160	Transition from massive basalt to Massive "ore" - all rock texture destroyed. increase in silification & brecciation & depth disseminated & fracture filling of po py minor cpy									



DIAMOND DRILL CORE LOG -- SAMPLE RECORD

PROPERTY MT WASHINGTON (MUREX)

HOLE No. MX-1519 Page No. 2 of 3

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
60 (48.8) 3.0) 174	Massive Breccia "ore"		30027	160	165	5.0	0.72		0.021	0.20
	blotches & patches Mag. c									
	po. entretical fracture fillings		30028	165	170	5.0	0.37		.002	0.23
	CPY		30029	170	174	4.0	0.89		Tr	0.37
	heavy chlorite locally									
	173.5-174 qtz vein									
	patchy pale green fine grained chlorite									
174 (53.0) 5.4) 181.7	Basalt - Mainly fine grained		30030	174	180	6.0	0.06		Tr	0.08
	179-179 1/2 Mineralized fracture									
	mainly angular fragments recovered									
	upper contact 20' to CA									
81.7 (55.4) 23) 204 1/2	Basalt - mainly amygdaloidal									
	short fine grained sections									
	correspond to areas of brecciation									
	and intense alteration (silicification)									
	190 to 193 1/2, 195-196 1/2									
	198 1/2 - 200 1/2 well fractured - often									
	at low angle to CA.									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY MT WASHINGTON (MUREX)

HOLE No. MK-15A Page No. 3/3

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	Brecciated gtz Breccia filling with blebs of pe, py mica spy									
041/2 (62.3) 8.6) 258	Basalt - Mainly fine grained silicified and weakly bleached in vicinity of fractures & brecciated areas. 211 1/2 to 212 sulphide units pe, py & spy									
	Badly fractured ground 213 1/2 - 217, 219 - 223 1/2, 226 - 226 1/2. 219 - 223 1/2 65% recovery 229 1/2 to 234 1/2 core looks as if it was crushed & healed sulphides throughout pe py		30012	229 1/2	234 1/2	50	0.08		Tr	0.05
58 (78.6) 2) 296	Mainly Massive Volcanic (Basalt) vague amygdaloidal appearance over short sections. Mineralized fracture widely spaced and at low angle to CH of 15° to 30° to CH DD HOLE ENDS @ 296 ft (90.22 metres)									