84-#937 - 12701

ASSESSMENT REPORT

DIAMOND DRILLING

LAST LINK, GERALD D, HAROLD D, DANDY FRACTION, PORTION OF VICTORIA, PORTION OF TEXADA, CLIMAX, LINDSAY, AND CRACKER JACK FRACTION (PART OF HOLLY GROUP)

> Nanaimo Mining Division C O L O GICAL BRANCH ASSESSMENT REPORT

Lat.: 49°44' N

Long.: 124°36' W

Stanley & Dianne Owner:

4469 Belmont Avenue Vancouver, B.C.

Operator: Rhyolite Resources Inc.

300 - 535 Thurlow Street Vancouver, B.C. V6E 3L2

October 2, 3, 5, 7, 8, 13-17, 20, 1983 Work Carried Out: January 20-24; February 3-6, 1984

R. Wares, P.Eng.

October 1984 ·

Vancouver, B.C.

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1. INTRODUCTION

In October, 1983 and January, 1984, a limited drill programme was carried out to assess strike and dip extensions of the surface mineralization.

1.1 Location

The Holly Group of claims is located on Texada Island, British Columbia, in the Nanaimo Mining Division (NTS 92F/10E). The claims are located 3 km southwest of Vananda (Fig. 1).

1.2 Access

Access to the claim group is by logging road from the (former) Ideal Cement haul road. The survey area is traversed by a number of haul roads that facilitate access. Four wheel drive transport is necessary.

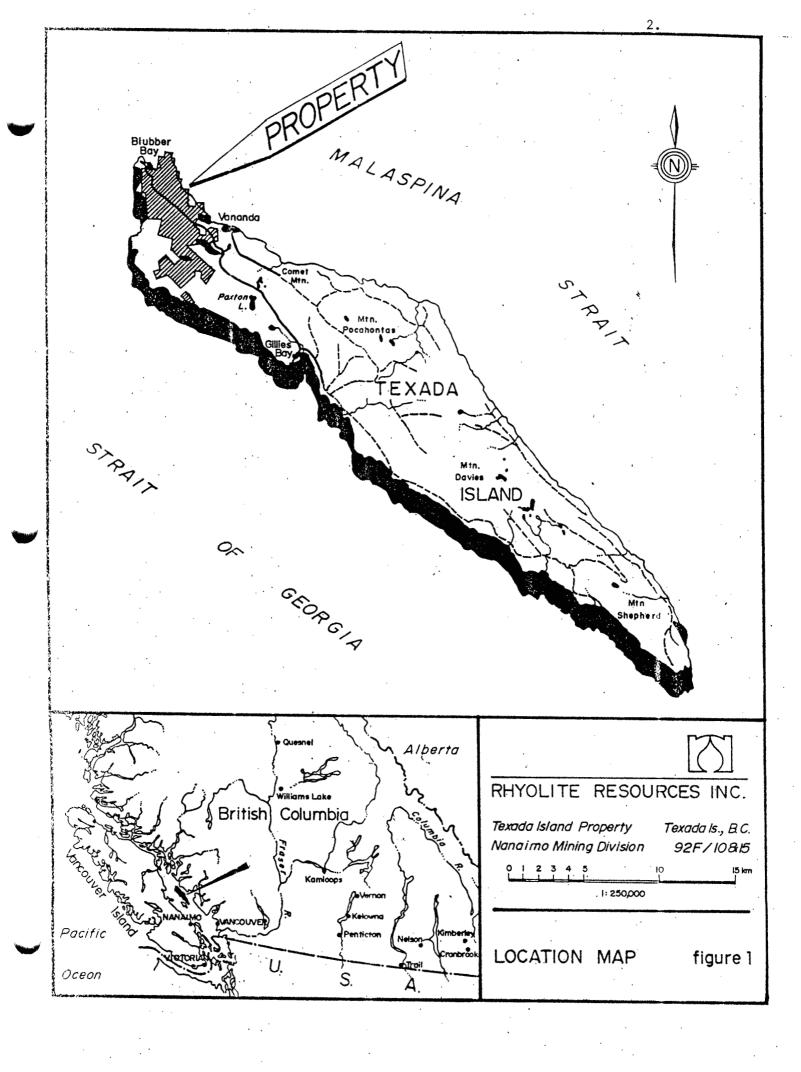
1.3 Topography

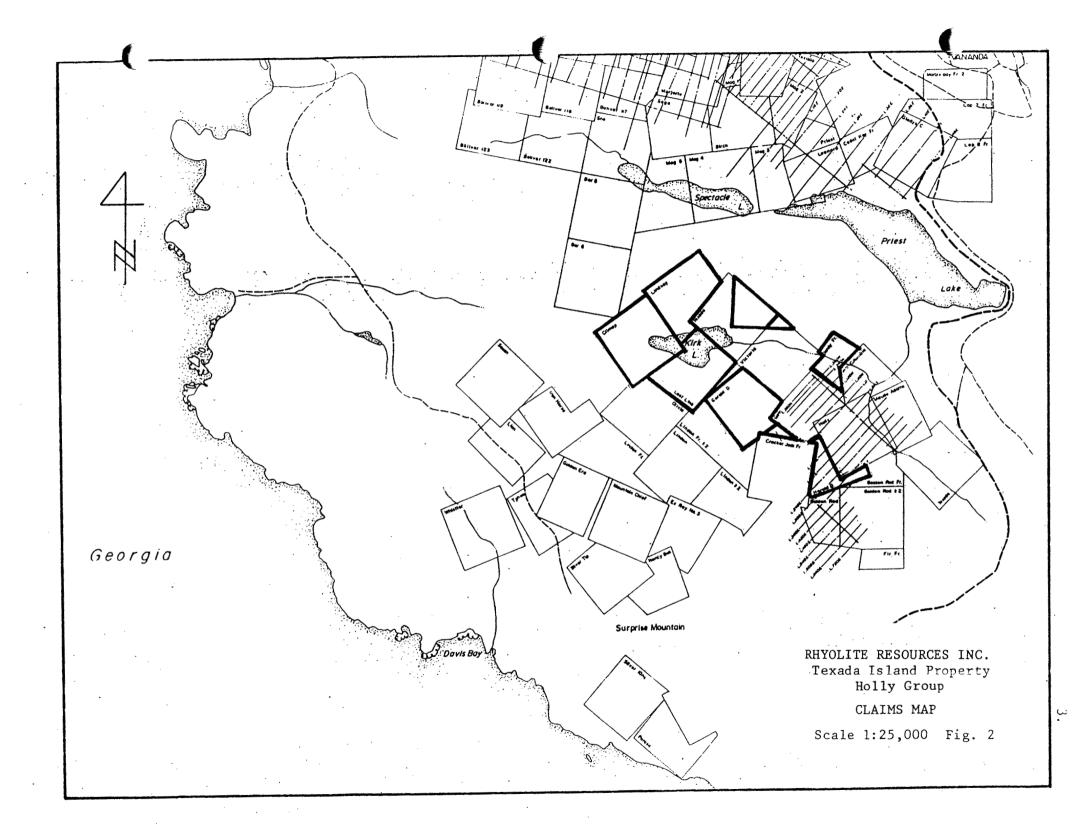
The survey area ranges in elevation from 150 to 220 m. The area has been partly logged. Isolated patches of naturally reseeded second growth is present.

1.4 Claim Status

The status of the claims (Fig. 2) is as follows:

Claim Name	Record No.	<u>Owner</u>	Date of Record
LAST LINK	109	S. Beale	October 1
GERALD D	110	11	October 1
HAROLD D	. 111	D. Beale	October 1
DANDY FRACTION	112	S. Beale	October 1
PORTION OF VICTORIA	179	11	October 4
PORTION OF TEXADA	180	11 '	October 4
CLIMAX	181	II .	October 4
LINDSAY	182	11	October 4
CRACKER JACK FRACTION	183	11	October 4





1.5 Previous Work

Previous work in the area comprised physical excavation of a gold bearing pyritic replacement zone along a fault. Prospecting activity resulted in delineation of this zone.

In September, 1983, a magnetometer survey was carried out to define (where possible) controls and distribution of the fault zone (as yet unnumbered assessment report).

GEOLOGY AND MINERALIZATION

2.1 Geology

The general geology of the survey area is that of a heterogeneous assemblage of volcanic breccias and volcaniclastic debris, cut by a number of strong fault linears. Small microdiorite dykes are emplaced along the fault linears.

These linears are evident in air photographs of the area. Initial interest in the area developed from the discovery of gold bearing mineralization on the flanks of a diorite dyke at 320 S, 600 W. Local prospectors hand cobbed a small shipment of material with good (> 2 oz. Au/ton) values.

Within the survey area, there are two major linears. One, termed the Golden Rod linear, trends from 300 S, 585 W, to 660 S, 850 W. Another linear, clearly evident in the field, runs from 360 S, 585 W, to 720 S, 690 W.

To the west of the Golden Rod linear, outcrops comprising matrix supported volcanic breccias are present. Bedding attitudes are indeterminable in the field.

2.2 Mineralization

The focus of attention on the property is the Golden Rod gold occurrence. This comprises a microdiorite dyke emplaced along the fault zone. The flanks of the dyke, up to 3 m wide, are marked by 0.1 to 0.4 m pyritic replacement zones. Minor and variable pyrite is present within the dyke itself. Isolated specks of native gold have been observed on the walls of the shear zone.

Along the linears, scattered pyrite has been observed in minor amounts. The linears are largely covered with debris and their economic significance is undetermined. Field observation shows some peripheral alteration along the linears. This is marked by pervasive chlorite-carbonate alteration in the flanking volcanic breccias.

3. DRILLING PROGRAMME

3.1 Objectives

The objectives of the drill programme on the Holly Group were to determine:

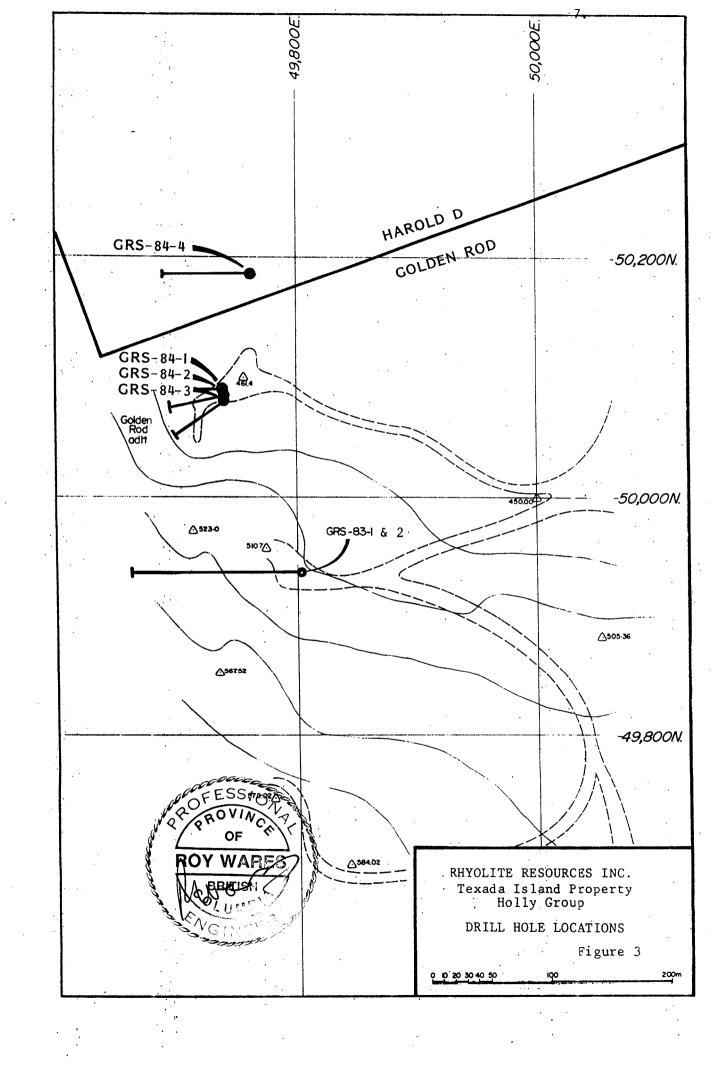
- a) strike and dip extensions of the mineralization observed in the Golden Rod adit,
- b) grade and control of the identified mineralization,
- c) possibility of a limited tonnage accessible as mill feed.

The objectives were examined by flanking drill holes to the north and south of the surface mineralization (Fig. 3).

3.2 GRS-83-1, 2

These holes, totalling 147.25 m, were drilled to the south of the adit. They were drilled to intersect both the strike extension of the Golden Rod zone, but also to test the down dip extension of a stringer quartz zone observed on surface. The latter has been observed to produce some fine native gold in crushed samples.

Hole GRS-83-1 intersected a volcanic breccia to 27.95 m. It has subangular fragments of meta-basalt in a fine grained chlorite-carbonate matrix. A shear zone at 13.5 m had 3% disseminated pyrite in the margins. Pyrite is occasionally developed at the margins of the fragments. From 29.56 m to 33.1 m, the microdiorite dyke is present. The microdiorite dyke is in contact with a grey fine grained limestone, with a skarn zone from 34.7 to 35.5 m, carrying minor garnet. A shear zone was present from 41.8 to 42.4 m, with a mylonitic texture. The footwall zone is a medium to coarse grained volcanic arenite.



Hole 83-2, drilled to a depth of 92.04 m, intersected the microdiorite dyke at 44.9 to 60.04 m. The dyke had 2-3% fine grained pyrite at the dyke margins. A thin limestone sequence was encountered. The footwall rocks were volcanic arenite, as above. Assay data in both holes were low and gave no economic interest.

3.3 GRS-84-1, 2, 3

The objective of these holes was to test the strike and down dip extent of the Golden Rod zone.

The holes were collared to the north of the adit (Fig. 3). Hole GRS-84-1 was drilled to a depth of 14.32 m. To 5.5 m, the core was broken, oxidized volcanic arenite. Traces of pyrite were observed in core chips, but recovery was low (10%). To 9.75 m, though recovery was low, the hole intersected broken microdiorite with some kaolin alteration. It was extensively oxidized. To 14.32 m, the hole intersected a grey/green volcanic arenite, with some secondary kaolin, overgrowth on feldspar clasts, and some sections with fine magnetite.

Hole GRS-84-2 was angled slightly to 84-1, to avoid the oxidation zone. To a depth of 6.71 m, core recovery was poor with sand seams, cobble material and fragments of volcanic arenite. From 6.7 to 20.43 m, the hole intersected the microdiorite dyke. Feldspars were epidotized and some secondary kaolin was present. Traces of pyrite are present in the dyke, with 2-3% pyrite both disseminated and in fine fractures from 18.29 m to 20.43 m. A 10 cm zone with chalcopyrite and traces of visible gold was observed at 9.75 m. Other thin quartz or quartz calcite stringer zones were observed. From 20.43 to 31.1 m, the hole intersected volcanic arenite, variable in grain size with some fine magnetite present. Minor pyrite was observed.

Hole GRS-84-3 was drilled at an oblique angle, under the "short" adit. The hole was cased to a depth of 5.79 m. From 5.79 to 8.84 m, it intersected a fine grained dyke with 3.5% disseminated pyrite. It then cut a 0.60 m section of a schistose zone and then, to 11.28 m, a grey, sheared, limestone. From 11.28 m to 24.09 m, the hole cut an altered microdiorite dyke, with a sheared contact at 24 m. Some kaolin is associated with this zone. Pyrite is low but shows an increase towards the margins. The rest of the hole, from 24 m to 32.12 m, cut a fine grained volcanic arenite.

Assay data on all three holes returned values of less than economic interest. The best value (#23334) of 0.06 oz. Au/ton was found over a 1.0 m sample.

3.4 GRS-84-4

This hole was drilled to a depth of 41.16 m. The objective of the hole was to test the northern extent of the Golden Rod zone.

The hole was cased to a depth of 6.6 m. From 6.6 m to a depth of 23.48 m, the hole encountered a dark green volcanic arenite with epidotized feldspar clasts. The core was soft and chloritized over a considerable width but with no concomitant fault break. A clay admixture with a fault breccia was present at 23.2 m.

From 23.48 m to a depth of 41.16 m, the core intersected a zone of texturally uniform volcanic arenite with 30-35% secondary hornblende. The core was broken and blocky.

No sulphides on the control dyke were encountered.

3.5 Interpretation

The drilling data has shown that the host geological structure has a limited strike extension to the north of the surface workings.

The surface and drill information shows that the micro-diorite dyke that is spatially associated with the gold bearing zone, is not always on the footwall of the fault zone. This is clearly shown in GRS-83-1 and 2. The stratigraphy, as revealed in Section #1, is a flat lying trace. The narrow limestone in GRS-84-3 suggests a simple northerly dip.

The basic data suggests a displacement of the Golden Rod zone between GRS-84-1 and 84-4. Some displacement is also present in 84-3.

Gold values show a discrepancy between surface values and down dip values. In part, this may be attributed to surface enrichment and also to a change in character of sulphides from a narrow but massive pyrite zone (in the adit) and a wider but disseminated zone in 83-1 and 2.

. SUMMARY AND CONCLUSIONS

- The drill programme on the Holly Group was directed at delineating strike and down dip extensions of the gold bearing pyritic zone observed on the face of a short adit.
- 2. The Golden Rod shear zone hosts the pyritic replacement zone. The shear zone carries a microdiorite dyke. The footwall of the zone is masked by a narrow, auriferous pyrite replacement zone with scattered marble gold.
- 3. The shear zone and dyke cut a heterogeneous assemblage of volcanic breccias and volcaniclastic nodes.
- 4. The drill data shows lateral change from narrow massive pyrite to a broader disseminated pyrite zone along strike. To the north, the Golden Rod shear zone appears to be cut off by a transverse fault.
- 5. Gold values in drill core show low, non-economic values.

 There is a distinct possibility of some surface enrichment of gold values in the adit.
- 6. The area of the showing does not appear to offer economic encouragement. Prospecting along the fault linears still has some merit.

STATEMENT OF EXPENDITURES

Phase 1, October, 1983:

Supervision, core logging, R. Wares - Oct. 3,5,7,8,13,14,15,16 - 8 days @ \$150/day	\$ 1,200.00
Room/Board, 8 days @ \$11/day	88.00
Drill Moves, Oct. 2,3,17,20 - 14 hrs @ \$75/hr	1,050.00
Lowbed Moves	300.00
Assays	570.15
Diamond Drilling, 489' at \$18/ft	8,802.00
Ferries, Field Cost	657.80
Field Transport - 15 days at \$30/day	450.00
- 420 km at 0.30/km	126.00
•	

\$13,243.95

Phase II, January and February, 1984:

Supervision, core logging, R. Wares - Jan. 20,21,22,24, Feb. 3,4,5,6 - 8 days @ \$150	\$ 1,200.00
Room/Board, 8 days @ \$11/day	88.00
Drill Moves, Jan. 20-25 - 30 hrs. @ \$80/hr	2,400.00
Lowbed Moves	350.00
Assays	462.00
Diamond Drilling, 391' at \$18/ft	7,038.00
Ferries, Field Cost	1,207.20
Fuel, Drill Parts	1,112.40
Field Cost	980.00
Field Transport	250.00

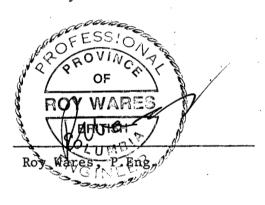
TOTAL, Phase I and II:



R. Wares P. Engel

CERTIFICATE OF QUALIFICATIONS

- I, ROY WARES, with a business address in the City of Vancouver, British Columbia, do hereby certify that:
- 1. The work described herein was carried out under my supervision in the field.
- 2. I am a registered member in good standing of the Association of Professional Engineers of British Columbia.
- 3. I have practised various levels of my profession in Canada, the U.S.A. and the U.K. for the past nineteen years.



Vancouver, B.C. October 1984

APPENDIX I

Drill Logs

				DIAMOND DRILL F	RECORD				_			
		PRO	PERTY					HOLE No.	GRS	-83-1		
	Foo	DIF	P TEST Angle Reading Corrected	Hole No Sheet No Section Date Begun Date Finished Date Logged	Dep Bearing_				Total Dep Logged B	th		
	PTH TO	RECOVERY		DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	AU/T.	AG/T.	1:	7
0	1.82m		Casing									
82	27.95		Volcanic breccia	a, fragments of dark grey sub-angular								
			metabasalt in cl	nlorite/carbonate matrix; from 12.8 to								
			14.32 m., fine	grained chlorite schist with sec. hbl. and								
			3% diss. py.; c	ore broken at 13.5 to 13.7 m.; from	23725	10.1	10.5	0.4 m.	0.006	0.10		
			10.05 to 10.30	m., shear zone with 3% py. at 40° to CA;								
			sparse filaments	of sec. calcite present; vuggy sec.								1
			calcite at 11.3 r	n. to 13.72 m; from 12.8 to 13.1 m, 3%	23726	12.81	13.41	0.60	0.001	0.01		
			py. in margins	of shear zone; scattered coarse sec.	23727	13.41	14.41	1.0				
		_	calcite blds. pr	esent; remnant fragments often have								
\neg			fine pyrite pres	ent in alteration kernels.								

29.25 29.75

30.5 31.5

0.50

0.010

0.001

0.02

0.01

23728

23729

Finer grained zone, transitional from above with scattered

sec. hbl; cleavage at 55° to CA; sec. calcite across

Microdiorite dyke, fine to med. grained; fine grained, sheared at 29.6 to 30.1 m.; fine grained phase from

31.8 to 32.1 m., with traces py. present; lower contact

at 50° to CA; scattered sec. calcite filaments at 30° to CA;

foliation at 60° and 30° to CA;

from 31.2 to 31.6 m.

27.95 29.56

29.56 33.10m

	PRO	PERTY_		· · · · · · · · · · · · · · · · · · ·	 .				HOLE No.	<u>GRS-83</u>	3-1	
	DIP	TEST					• •					
		Angl	e						-			
Fo	otage I	Reading	Corrected	Hole No.	Sheet Na	Lat				Total Dept	h	
ļ				Section		Dep		_		Logged By	<u>/</u>	
				Date Begun		Bearing_				Claim		
				Date Finished	····	Elev. Colla	r			Core Size.		
L				Date Logged		· ·						
EPTH M TO	RECOVERY			DESCRIPTION		T			WIDTH	Τ	I	T
M TO	MEGOVERI			DESCRIPTION		SAMPLE No.	FROM	TO	OF SAMPLE	AU./T.	AG./T.	ŀ
-	.]	1		Et		1						1

	PTH U TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	AU./T.	AG./T.	T	T
33.1	34.74		Limestone, grey, fine grained with fine lamination at	23731	34.74	35.34	0.60 m.				
			60° to CA; fine trough structure presentat 34.2m.,	1			0.00			†	1
			suggests "tops" up hole; sparse filaments of sec. calcite								†
			present.					`			+
34.7	4 35.50		Skarn zone, with sec. silicification, sec. feldspar, some						****	 	
		-	hornblende and scattered garnet at contact; 3% py.						············		
			present diminishing to trace at 35.50 m.								
35.50	41.80		Volcanic arenite, altered, with chlorite-calcite-hornblende			-					1
			matrix; sec. calcite amygdules and sec. hbl. present;	23730	41.8	42,4	0.60				
			finer grained from 38.7 to 40.2 m., with diffused contact	;							
			sec. calcite in shear at 40° to CA at 40.7 m.	•				<u> </u>			1
1.80	42.40		Shear zone, with mylonitic texture, sec. feldspar present	; ·							
			5% diss. py. present; 2 cm. qtz-py stringer at 42.03 +								
			42.18 m., some sec. calcite filaments present.			1					
2.40	56.99		Volcanic arenite, med. to coarse grained, with chlorite-								
			calcite matrix, sec. hbl. and scattered amygdules of								
			calcite; becomes darker and finer grained from 47.8 to								
											

DIP TEST Angle Footage Reading Corrected Section Date Begun Bearing Claim Core Size		Pl	ROPERT	Y					•	HOLE No.	GRS	-83-1		
Angle Redding Corrected Hole No. Sheet No. Ldt. Total Depth Logged By Logged By Date Begun Bearing Claim Core Size	r		DIP TEST			•	·							
Foliage Reading Corrected Section Dep. Logged By Date Begun Bearing Claim Core Size Date England Etev. Collar. PTH NOTE RECOVERY DESCRIPTION SAMPLE No. FROM TO OF SAMPLE 49.3 m.; 4 cm. qtz. vein at 55° to CA at 49.6 m. with py. in margins at 49.45 to 49.75 m.; passes back to volcanic arenite as above; epidote-calcite parphyroblasts become more prominent from 50 m. onwards. 56.99 m., End of Hole.		1			÷	•					•			
Date Begun Date Finished Date Logged Date Logged TPTH TO RECOVERY DESCRIPTION SAMPLE Na FROM TO OF SAMPLE 49.3 m.; 4 cm. qtz. vein at 55° to CA at 49.6 m. with py. in margins at 49.45 to 49.75 m.; passes back to volcanic arenite as above; epidote-calcite parphyroblasts become more prominent from 50 m. onwards. 56.99 m., End of Hole.	Fo	otage			Hole No.	Sheet No					Total De	oth		
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Date Finished					Date Begun		Bearing_			~ ~~	Claim_	·····		
Date Logged PTH TO RECOVERY DESCRIPTION SAMPLE No. FROM TO OF SAMPLE 49.3 m.; 4 cm. qtz. vein at 55° to CA at 49.6 m. with py. in margins at 49.45 to 49.75 m.; passes back to volcanic arenite as above; epidote-calcite parphyroblasts become more prominent from 50 m. onwards. 56.99 m., End of Hole.				+				ır			Core Siz	e		
### DESCRIPTION SAMPLE No. FROM TO OF SAMPLE 49.3 m.; 4 cm. qtz. vein at 55° to CA at 49.6 m. with py. in margins at 49.45 to 49.75 m.; passes back to volcanic arenite as above; epidote-calcite parphyroblasts become more prominent from 50 m. onwards. 56.99 m., End of Hole.		1												
py. in margins at 49.45 to 49.75 m.; passes back to volcanic arenite as above; epidote-calcite parphyroblasts become more prominent from 50 m. onwards. 56.99 m., End of Hole. 56.99 m., End of Hole. WARES		RECOVE	RY		DESCRIPTION		SAMPLE No.	FROM	10	WIDTH OF SAMPLE				
volcanic arenite as above; epidote-calcite parphyroblasts become more prominent from 50 m. onwards. 56.99 m., End of Hole. 56.99 m., End of Hole. WARES	<u> </u>		49.	3 m.; 4 cm. c	tz. vein at 55° to CA	at 49.6 m. with					ļ			
become more prominent from 50 m. onwards. 56.99 m., End of Hole. 56.99 m., End of Hole. 65.99 m., End of Hole. 65.99 m., End of Hole. 65.99 m., End of Hole.	ļ		ру.	in margins a	t 49.45 to 49.75 m.; pa	asses back to								
56.99 m., End of Hole.			volc	anic arenite a	as above; epidote-calcit	te parphyroblasts					<u> </u>			<u> </u>
OF WARES WARES OUNTERS OF WARES OUNTERS OU			beco	ome more pror	minent from 50 m. onwa	ards.							<u> </u>	
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WARES COLUMBIA			<u> </u>				665	551	-				ļ	<u> </u>
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													·	

	SUMMARY L
COTY	

HOLE No. GRS-83-2

DIP TEST	
Ап	gle
Reading	Corrected
-60°	
ļ	
ļ	<u> </u>

Hole No. 83-2 Sheet No. 1 of 1	Lat	Total Depth 92.04 m.
Section	Dep	Logged By R. Wares
Date Begun	Bearing	Claim Golden Rod
Date Finished	Elev. Collar	Core Size N. Q.
Date Logged		

TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	. WIDTH OF SAMPLE	Au. ozs./T	Ag. ozs./T		
1.82	•	Casing								
24.4		Volcanic breccia, sub angular basaltic fragments in								
		chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy,								
		sph. at 13.86 m.	•							
29.7		Limestone, five grained calculitite, contact sheared at 20°	23732	13.65	14.15	9.50 m.	0.005	0.12		
	-	to CA; scattered pyrite at the	23733	40.8	41.3	0.50 m.	0.002	0.01		
		lower contact.	23734	44.3	44.8	0.50 m.	0.003	0.01		
44.9	-	Volcanic arenite, some grain size variations,	23735	44.8	45.3	0.50 m.	0.001	0.01	-	
		2 cm. qtz-cpy stringer at 41.1 m,	23736	45. ⁻3	45.8	0.50 m.	0.001	0.02		•
60.04		Microdiorite, contact broken ε sheared,	23737	45.8	46.3	0.50 m.	0.010	0.02		
		2-3% f. gr. diss. py. in finer grained	23738	46.3	46.8	0.50 m.	0.004	0.01		
		contact zone from 44.9 - 50.8 m. & 59.4	23739	46.8	47.3	0.50 m.	0.005	0.01		
		to 60.04 m.	23740	59.7	60.2	0.50 m.	0.007	0.01		
2.04		Volcanic arenite, with irregular	23741	60.2	60.7	0.50 m.	0.007	0.01		
	.	grain size variations; 2% f. gr. py.				9050 m C	0.002	0.08		
		in qtz-calcite shear at 20° to CA, at 78.33 m.	23743	77.0	77.5	050 18	0.003/	2 0.09		
			23744	77.5	78 0 R	6.88 m.	0. 660	0.03		
		92.04 m., End of Hole.			\$ 1			· B		
	1.82 24.4 29.7 44.9	TO RECOVERY 1.82 24.4 29.7 44.9 60.04	TO RECOVERY Casing 1.82 Casing Volcanic breccia, sub angular basaltic fragments in chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, sph. at 13.86 m. 29.7 Limestone, five grained calcsiltite, contact sheared at 20° to CA; scattered pyrite at the lower contact. 44.9 Volcanic arenite, some grain size variations, 2 cm. qtz-cpy stringer at 41.1 m, 60.04 Microdiorite, contact broken 8 sheared, 2-3% f. gr. diss. py. in finer grained contact zone from 44.9 - 50.8 m. 8 59.4 to 60.04 m. Volcanic arenite, with irregular grain size variations; 2% f. gr. py. in qtz-calcite shear at 20° to CA, at 78.33 m.	Casing Volcanic breccia, sub angular basaltic fragments in chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, sph. at 13.86 m. Limestone, five grained calcsilitie, contact sheared at 20° 23732 to CA; scattered pyrite at the 23733 lower contact. 23734 Volcanic arenite, some grain size variations, 23735 2 cm. qtz-cpy stringer at 41.1 m, 23736 Microdiorite, contact broken & sheared, 23737 2-3& f. gr. diss. py. in finer grained 23738 contact zone from 44.9 - 50.8 m. & 59.4 23739 to 60.04 m. 23740 Volcanic arenite, with irregular grain size variations; 2& f. gr. py. 23742 in qtz-calcite shear at 20° to CA, at 78.33 m. 23744	TO RECOVERY DESCRIPTION SAMPLE No. FROM	TO RECOVERY Casing Casing Casing Casing Casing Casing Chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, sph. at 13.86 m. Chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, sph. at 13.86 m. Casing Casing	TO RECOVERY DESCRIPTION SAMPLE No. FROM TO OF SAMPLE	TO RECOVERY Casing Casing Casing Casing Chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, Sph. at 13.86 m. Chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, Sph. at 13.86 m. Chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, Casing Chlorite-carbonate matrix, 8 cm. qtz-calcite vein with cpy, Chlorite-calcite vein with cpy, Chlorite-c	TO RECOVERY DESCRIPTION SAMPLE No. FROM TO OF SAMPLE 025./T 025./T 025./T 1.82 Casing	TO NECOVERY DESCRIPTION SAMPLE No. FROM TO OF SAMPLE 025./T 025./T 025./T 1.82 Casing

· . F	PROPERTY		HOLE I	Vo
	DIP TEST			
Footage	Angle Reading Corrected	Hole No. CRS-83-2 Sheet No. 1 of 3	Lat	Total Depth 92.04 m.
	-63°	Section	Dep	Logged By R. Wares
		Date Begun 8/10/83	Bearing 270°	Claim Golden Rod
		Date Finished 11/10/83	Elev. Collar	Core Size N.Q.
L	<u> </u>	Date Logged 12/10/83		

DEF FROM	TH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	Au. ozś/T	Ag.	·
0	1.82m	:	Casing							
1.82	24.4		Volcanic breccia, grey/green chlorite-carbonate							
		·	matrix with sub angular fragments of							
			meta-basalt; scattered augen of secondary							
			calcite present; 5 cm. qtz. vein (barren) at	·						
			20° to CA. at 5.3 m; occasional thin 4 cm.	23732	13.65	14.15	0.50 m.	0.005	0.12	
			shears at 30° to CA; 8 cm. qtz-calcite vein							
			with cpy, sph at 40° to CA; at 13.86 m;							
			vuggy calcite at 12.9m., 14.95 m; core becomes							
			blocky & broken from 23.5 to 24.4 m.							
										·
24.42	9.7m		Limestone, dark grey, fine grained calcsiltite;]			
-			contact sheared at 70° to CA. at 24.4m; occ.							
			thin filaments of secondary calcite at 26.4 to 28.5 m., at						-	
			30° ε 50° to CA.; core broken in	-						
			thin slips at 40° to CA. at 27.7 m.; rare specks	<u>. </u>			T			
			of pyrite at lower contact.							
			·							

HOLE No. GRS-83-2

		·	DIP TEST] · .			•			•			
	Fo	otage .	Angle Reading Corrected	Hole NeSheet No. 2 of 3	3 Lat				Total Dec	92.04	m.		
				Section									
				Date Begun	-				Claim				
				Date Finished	Elev. Coll	ar		···	Core Size				
	<u> </u>			Date Logged	-								
DE	TO	RECOVE	RY	DESCRIPTION	SAMPLE No.	FROI	и то	WIDTH OF SAMPLE				T	
. 7	44.9m		Volcanic arenite,	green, with 30% feldspar clasts in green,							1		
			fine grained chlo	rite-carbonite matrix; irregular contact									
			with 1st, at 70°	to CA., with "tops" up hole; secondary							1	1	
			calcite amygdules	present; grades to darker	23733	40.8	41.3	0.50 m.				1	
			grey, fine graine	ed phase from 33.5m. to 39.5m.; secondary							1 .		
		-	hornblende prese	nt; 39.5 m. to 41.5 m., dark basaltic							1		
			aspect;		23734	44.3	44.8	0.50 m.	·				
			2 cm. qtz-cpy st	ringer at 41.1 m.	23735	44.8	45.3	0.50 m.					
					23736	45.3	45.8	0:50 m.		1	· .		
9	0.04	1	Microdiorite, cont	act zone broken & sheared;	23737	45.8	46.3	0.50 m.	,				
			fine grained from	44.9 to 50.8 m., and	23738	46.3	46.8	0.50 m.					
			59.4 to 60.04 m.;	qtz-calcite stringer at	23739	46.8	47.3	0.50 m.					
T			30° to CA., at 45	5.1 m.; 2-3% fine disseminated									
			pyrite in fine gra	nined margins, diminishing to trace									
			in the medium gra	ained hornblende microciorite from			1						
			50.8 to 59.4 m.						-				
1					-								
T													

PROPERTY_

HOLE No. GRS-83-2

Volcanic arenite, grey/green; shear zone at 40° to CA. at 61.56m.; dark, fine grained 40° to CA. at 61.56m.; dark, fine grained 23741 60.2 60.7 0.50 m. metabasalt with sec. calcite amygdules from 60.04 to 63.1 m.; chlorite matrix with 30% feldspar clasts (?) to 67.97 m.; more massive in character from 67.97 to 69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite year at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.												
Depth Date Begun Date Finished Date Fi												
Date Begun Bearing Claim Core Size	- 1											
Depth Recovery Description Descripti												
DEPTH RECOVERY DESCRIPTION SAMPLE Na FROM TO OF SAMPLE SAMP	-											
DEPTH RECOVERY DESCRIPTION SAMPLE No. FROM TO OF SAMPLE												
### FROM TO RECOVER! DESCRIPTION SAMPLE FROM TO OF SAMPLE	٠											
40° to CA. at 61.56m.; dark, fine grained 23741 60.2 60.7 0.50 m. metabasalt with sec. calcite amygdules from 23742 60.7 61.2 0.50 m. 60.04 to 63.1 m.; chlorite matrix with 30% feldspar clasts (?) to 67.97 m.; more massive in character from 67.97 to 69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite 23744 77.5 78.0 0.50 m. shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.												
metabasalt with sec. calcite amygdules from 60.04 to 63.1 m.; chlorite matrix with 30% feldspar clasts (?) to 67.97 m.; more massive in character from 67.97 to 69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite 3744 377.0 77.5 0.50 m. shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.	0.049											
60.04 to 63.1 m.; chlorite matrix with 30% feldspar clasts (?) to 67.97 m.; more massive in character from 67.97 to 69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite 23744 77.5 78.0 0.50 m. shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.												
(?) to 67.97 m.; more massive in character from 67.97 to 69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite 3744 77.578.0 0.50 m. shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m. End of Hole.												
69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m. End of Hole.												
69.49 m.; volcanic arenite from 69.49 m. to 74.37 m.; 10 cm. qtz-calcite shear at 30° to CA. at 71.62 m.; finer grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m. P2.04 m., End of Hole.												
grained unit again at 74.37 to 78.33 m., with secondary hornblende; 2% f. gr. py. in qtz-calcite 23744 77.5 78.0 shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m. 92.04 m., End of Hole.												
with secondary hornblende; 2% f. gr. py. in qtz-calcite 23744 77.5 78.0 0.50 m. shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.												
shear at 20° to CA. at 77.33 to 79.4 m.; volcanic arenite with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.	- -											
with chlorite matrix & 30-40% feldspar clasts from 79.4 to 92.04 m. 92.04 m., End of Hole.												
92.04 m., End of Hole.												
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PROPERTY					HOLE No. UKS-04-1									
	Fo	DII	Angle Reading Corrected	Hole No. 84-1 Sheet No. Section In 16/84	Dep				Logged E	om <u>14.32</u> By <u>R. W</u>	/ares			
	PTH			Date Begun Jan. 16/84 Date Finished Jan. 19/84 Date Logged Jan. 28/84	Bearing Bearing Blev. Colle				Claim Golden Rod Core Size N. Q.					
	OM TO RECO		•	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE		T				
	5.5m	10%	Broken, oxidized, sh	attered volcanic arenite, with										
			sparse sec. calcite a	mygdules; 10 cm. sand seam in core,										
. 5	9.75	25%	traces py. observed Broken, oxidized mic	in core fragments. rodiorite, fractures core axis;	· · · ·							·		
			extensively oxidized,	traces py., some secondary kaolin.										
. 75	14.32	90%	Volcanic arenite, gre	y/green, 25% scattered feldspar clasts										
				ondary hornblende to 30%, with some										
			pin heads kaolin in t	he matrix, hornblende developed										
			around calcite (after	feldspar); magnetite rich section					•	· .		<u> </u>		
_			(10%) over 10 cm: at	14.15m.		<u>. </u>						<u> </u>		
\dashv		·			·			-						
			. 14.32	2 m., End of Hole.				poore						
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_						3	77	BJOTISH .	7]	·]			
_						3	the	LUMBY	100					
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	PRUPERII			11044	10.
				•	•
	DIP TEST				
-	An	gle	· 84-2 1 of 1		
Footage	Reading	Corrected	Hole No. 84-2 Sheet No. 1 of 1	Lat	Total Depth
	-		Section	Dep	Logged By
			Date Begun Jan. 19/84	Bearing_255°	Claim
<u></u>	+		Date Finished Jan. 21/84	Elev. Collar	Core Size
			Date Logged Jan. 28/84		•

DE! FROM	TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	AU/T.	AG/T.		
0	6.71m	10%	Intermixed rubble and sand seams, largely volcanic arenite	•							
6.71	20.43		Grey green, occasionally cream, altered microdiorite dyke,	23777	6.70	9.75	3.05 m		si	ngle sam	ple
			with scattered epidotized feldspar and sec. chlorite after hornblende, some secondary kaolin present; matrix	23778	9.75	10.37	0.62				
			destroyed from 9.75 m. to 11.28 m., and 18.90 to 20.43;	23347	15.2	16.2	1.0 m				
			3" qtz./calcite stringer at 5° to CA at 11.12 m.; traces	23348	16.2	17.2	1.0			,	
			py. throughout with 2-3° diss. py., in fine fractures	23349	17.2	18.2	1.0	<u> </u>			
			from 18.29 to 20.43 m.; broken stringer zone at 9.75, over	23350	18.2	19.2	1.0				
			5 cm., with cpy, trace visible gold. zone broken at 10°						·.		
			to CA; stringer zone at 18.29 & 19.20.								
0.432	4.39	908	Volcanic arenite, fine ground with '30% sec. hornblende &								
			stringer zone with py. at 20.43 to 21.64 m., at 20° to CA.								
4.392	6.83		Volcanic arenite, fine grained dark, with fine magnetite						·		
		t	o (2%) & sec. calcite amygdules.								
6.833	1.10	- 10	Gradation back to volcanic arenite with sec. hornblende;				6000	SSI			
			epidote-hemalite alteration at 27.89 to 28.10 m.		_	Į.	PO ON	VINC	178		
+			31.10 m., End of Hole.			*		OF C	$\vec{\exists}$		·····
		—		1	1	8	ROY	WAR	p	7	,

P	PROPERTY		HOLE I	V₀. <u>GRS-84-3</u>
· · · · · · · · · · · · · · · · · · ·	DIP TEST		•	
	Angle	011_2	1	-
Footage	Reading Corrected	Hole No. 84-3 Sheet No.	Lat	Total Depth
-	 	Section	Dep	Logged By
		Date Begun Jan. 21/84	Bearing 225°	Claim
		Date Finished Jan. 23/84	Elev. Collar	Core Size
		Date Logged Jan. 28/84		0010 0120

FROM	PTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	AU/T.	AG/T.		
0	5.79m	·	Casing								
5.79	8.84		Green/grey, epidotized and fine grained microdiorite	23317	6.40	6.9	0.50	0.001	0.01		
			dyke, extensively altered, 3-5% diss. py. with qtz	23318	6.9	7.40	0.50	0.001	0.01		
			calcite stringer at 70° to CA.								
8.84	9.45		Chlorite schistose sear zone with 1-3% py.	23319	7.40	7.90	0.50	0.001	0.01		
9.45	11.28	-	Limestone, grey, with shear foliation at 40° to CA; 8 cm.	23320	7.90	8.40	0.50	0.053	0.01		
			qtz. vein at 10.97 m.	23321	8.40	8.90	0.50	0.002	0.01		-
11.28	24.09		Grey/green altered microdiorite dyke, somewhat sheared	23322	8.90	9.9	1.0	0.030	0.01		
			with trace to 2% pyrite (disseminated), sec. chlorite	23323	9.9	10.90	1.0	0.001	0.01		
			after hornblende; sulphide content shows increase to	23324	10.90	11.90	1.0	0.001	0.01		
			margins; some kaolin appearing at 19.81 to 20.5 m;	23325	16.35	17.35	1.0	0.026	0.01		•
			broken contact at 24.09.	23326	11.90	12.90	1.0	0.001	0.01	-	
				23327	18.35	9.35	1.0	0.001	0.01		
24.01	32.12	1	Volcanic arenite, fine grained, with clasts of sec.	23328	19.35	20.35	1.0	0.012	0.01		
			feldspar and scattered sec. amygdules of calcite; occ.	23329	20.35	21.35	1.00 F	5.581C	0.01		
		1	fine magnetite.	23330	17.301	8.30		0.818V	0.00		
			32.12 m., End of Hole.	23331	21.3	22.3	4-7-4	0.95€	0.01		
	1					18	ROY	WAR	ES		
								DETICIT	- 1 -		

PROPERTY			ROPER	TY		HOLE N					GRS-84-3				
			DIP TEST								٠				
		Footage	Readin	Angle Corrected	Hole No Sheet No	Dep			<u> </u>						
	E				Date Begun Date Finished Date Logged	Elev. Coll					e				
FRO	PTH TO	RECOVE	RY		DESCRIPTION	SAMPLE No.	FROM	то	1	AU/T.	AG/T.				
						23332	22.3	23.3	1.0	0.020	0.01				
					· ·	23333		24.3	1.0	0.002	0.01				
						23335	24.8	25.3		0.046	0.01				
						23336	25.3	25.8	0.5	0.020	0.01	+			
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•	PR	PERI	Y					HOLE No.	•					
		DI	TEST	ngie						. •				
			Reading -55°	Corrected	Hole No Sheet No 1 of Section	1 Lat Dep				Logged	By R. W	ares		
			Date Begun Jan. 25/84 Date Finished Jan. 25/84 Date Logged Feb. 5/84		Eab : E/0/	Bearing Elev. Coll				Claim Core SizeN. Q				
DE ROM	DEPTH RECOV		· ·		DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	AU/T.	AG/T.	T		
0	6.40n		Casin	g										
. 40	23.48	3	Volcar	nic arenite,	dark green, with epidotized feldspar						1	1	1	
			clasts	, & sec. cal	cite amygdules; core soft and chloritized,									
· · · ·			but n	o fault breal	c at 13.5 to 17.2 m.; core soft with clay									
			mixtu	re at 21.4 to	23.48 m.; fault breccia and gouge at									
			23.2 t	o 23.48 m.										
. 48	41.16		Andes	ite (volcanio	arenite?), fine grained grey/green,									
			with 3	30-35% sec. ⊦	nornblende; texture generally uniform;	23779	20.42	21.34	0.92 m.					
		•	core b	olocky & bro	ken.								1	
												-		
				41.16 n	1., End of Hole.									
										COCC .	SSI	2		
									<i>i k</i> <	~ () · ~	VIN	100		
									ji R	784	OF C	17-8		
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									S.	NG.	INEER	OPA		

APPENDIX II

Assays

MIN-EN LABORATORIES LTD.

705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2 PHONE: (604) 980-5814 OR (604) 988-4524

			Certific	ate of Ass	ងេប្			
	то: Rhyolit	e Resour	ces	·		PROJECT No	olivar olden	
	301-128	5 W. Per	der St.,		·		ober 14	
		er, B.C.	· · · · · ·			File No. 3-	-	
ĺ	CANADI E Na	Ag	Au					
	SAMPLE No.	oz/ton	oz/ton					
	23725	.10	.006					
,	26	.01	.001					
	27	.02	.002					
	2.8	0.2	.010				·	

23725	10	.006				
	.01	.001				
27	.02	.002	1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			·
28	.02	.010				
2 9	.01	.001	·			
30	.02	.001				
23731	.01	.001			4	
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MINE-EN Laboratories Ltd

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR: (604) 988-4524 -

TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: RHYOLITE RESOURCES

PROJECT NO: GOLDEN ROD ATTENTION: ROY WARES

FILE NO: 4-46 DATE: FEB. 2/84

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	AG AU OZ/TON OZ/TON		
23309 23310 23311 23312	.01 .001 .01 .001 .01 .001 .01 .001		
23313	.001		2
23314 23315 23316 23317 23318	.01 .001 .01 .001 .01 .001 .01 .001 .01 .001		
23319 23320 23321 23322 23323	.01 .010 .01 .053 .01 .002 .01 .030 .01 .001		***************************************
23324 23325 23326 23327 23328	.01 .001 .01 .026 .01 .001 .01 .001 .01 .012		
23329 23330 23331 23332 23333	.01 .001 .01 .023 .01 .006 .01 .020 .01 .002		-4
23334 233 3 5 23336	.01 .060 .01 .046 .01 .020		

Certified by

MIN-EN LABORATORIES LTD.