ARIS SUMMARY SHEET

District Geologist, Smithers — Off Confidential: 92.09.11

ASSESSMENT REPORT 21952 — MINING DIVISION: Omineca

PROPERTY: Rhub-Barb
LOCATION: LAT 53 37 00 LONG 125 30 00
UTM 10 5943561 334634
NTS 093F11W 093F12E
CLAIM(S): Rhub 8
OPERATOR(S): Equity Silver Mines
AUTHOR(S): Wall, T.J.
REPORT YEAR: 1991, 59 Pages
COMMODITIES
SEARCHED FOR: Gold,Silver
KEYWORDS: Cretaceous-Eocene,Ootsa Lake Group,Rhyolites,Ash tuffs
Lapilli tuffs,Lahars,Argillic alteration,Pyrite,Marcasite
WORK
DONE: Drilling,Geochemical,Physical
DIAD 942.9 m 5 hole(s);NQ
Map(s) - 3; Scale(s) - 1:500
ROAD 0.8 km
SAMP 209 sample(s) ;ME

1991 ASSESSMENT REPORT

ON THE

RHUB-BARB PROPERTY
(Rhub 1-13 & Barb 1)

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS : 93F/11W & 12E

Latitude : 53 37' N
Longitude : 125 30' W

OWNERS : Mingold Resources Inc.
Suite 2801
Toronto Dominion Centre
Toronto, Ontario
M5K 1B8

OPERATOR : Equity Silver Mines Limited
P.O. Box 1450
Houston, British Columbia
V0J 1Z0

REPORT BY: T. J. Wall, Exploration Geologist
Equity Silver Mines Limited

DATE : December, 1991

TABLE OF CONTENTS

LIST OF FIGURES, TABLES AND APPENDICES

SUMMARY

The Rhub and Barb mineral claims are located 70 kilometres south of Burns Lake, British Columbia. Gold and silver mineralization occurs on the property in a rhyolitic volcanic assemblage belonging to the Upper Cretaceous to Eocene Ootsa Lake Group.

In 1991, Equity Silver Mines Limited optioned the Rhub-Barb property from Mingold Resources Inc. and carried out a diamond drilling exploration program, totalling 943 metres over 5 holes, in an area referred to as the "J Anomaly". The J anomaly is one of several IP geophysical anomalies located on the property.

The J anomaly is proximal to, and on trend with the "Silver Discovery Zone", which is characterized by a similar IP anomaly, called "I", however the J anomaly is much more pronounced and covers a much larger area. It was hoped that the rock outlined by the J anomaly might be host to a large tonnage, low grade, epithermal Au/Ag near surface deposit. Although this rock is intensely altered and heavily mineralized with pyrite, very few intersections were found to contain gold and silver mineralization. It may be that higher grade, narrow intersections could be found at depth in the down-dip direction of this anomaly.

This report documents expenditures by Equity Silver Mines Limited of $103,024.50 on the 1991 exploration program on the Rhub-Barb property.

INTRODUCTION

i) Location, Access, Physiography and Vegetation

The Rhub-Barb mineral claim group is located 70 kilometres south of Burns Lake, British Columbia, on the north side of Intata Reach - the east arm of Ootsa Lake - within the Nechako Reservoir watershed (figure 1). The claims are centred at latitude 53 37' N and longitude 125 30' W, covered by NTS map sheets 93F/11 and 93F/12.

The property can be accessed via a number of roads originating from Burns Lake, Vanderhoof or Houston. A paved road from Burns Lake to the Francois Lake ferry, and then to the north shore of Ootsa Lake to the Deerhorn logging road, is the most direct route from highway 16. Logging roads are maintained year round, and pass directly through the mineral claims.

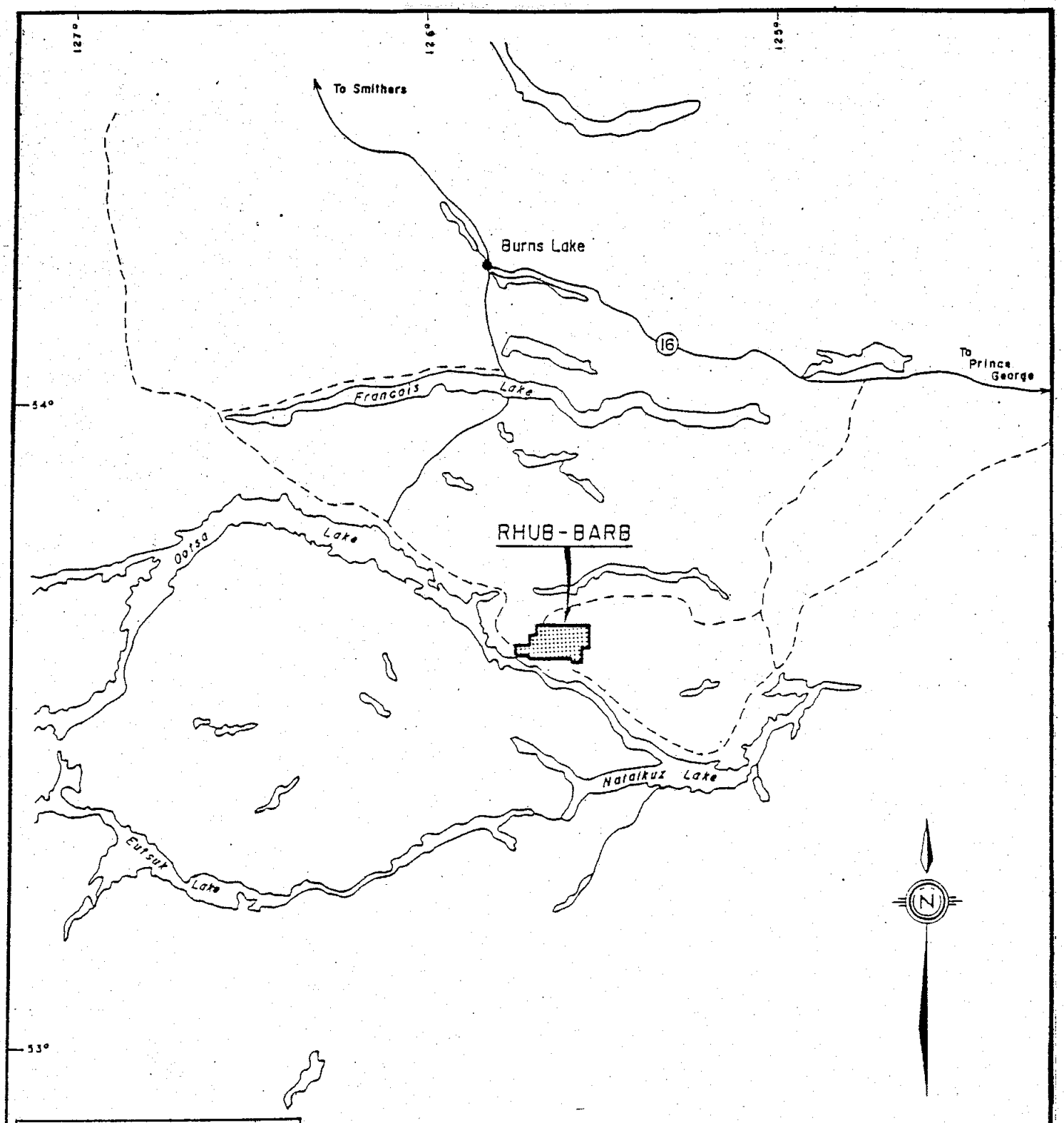
The area is characterized by low relief, with elevations ranging from 900 metres to 1300 metres, with most of the area not varying by more than 100 metres. Glaciation has resulted in deposition of a variously thick mantle of till, and has imparted a distinct ENE trend to many topographic features.

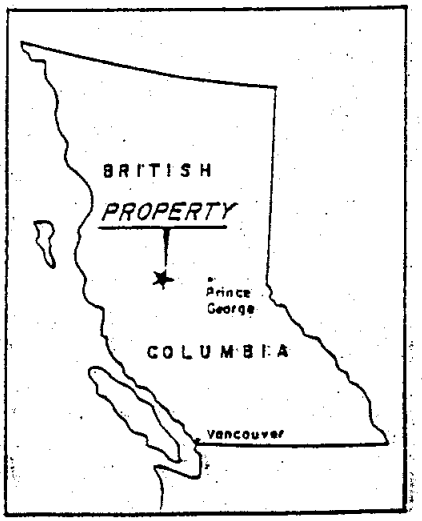
Much of the claim block has been logged and replanted, and is in various stages of reforestation, with Pine being the replacement species. Virgin forests consist of mature stands of Lodgepole Pine, Balsam Fir and Spruce, with occasional interspersed Aspen groves and small Alder. Swamps and small lakes, surrounded by buckbush and Willow growths are scattered throughout the property.

ii) Claim Ownership and Status

Fourteen modified-grid mineral claims, totalling 268 units, make up the Rhub-Barb property (figure 2). The claims are located within the Omineca Mining Division, and are wholly owned by Mingold Resources Inc. of Suite 2801, Toronto Dominion Centre, Toronto, Ontario. In March 1991, Equity Silver Mines Limited entered into an option agreement with Mingold on the Rhub-Barb property, the terms of which are beyond the scope of this report.

The claims comprising the Rhub-Barb property have been grouped as shown in table 1.



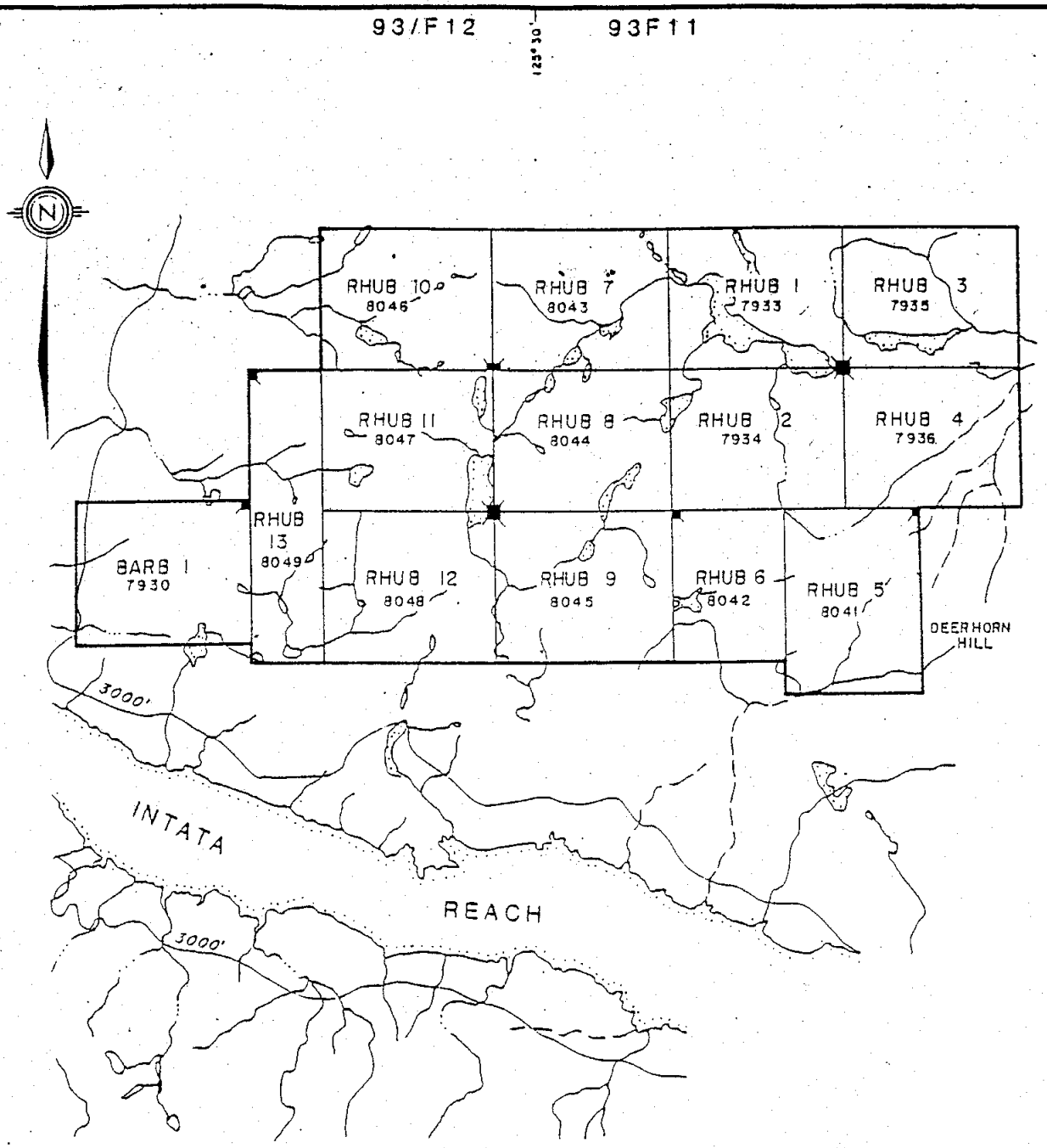


EQUITY SILVER MINES LIMITED

LOCATION MAP

RHUB-BARB PROPERTY - NTS 93F/11 & 12

Date:	SCALE 1:1,000,000	Dwg. No.
91-11-19	0 10 20 30 40 Km	Figure 1



EQUITY SILVER MINES LIMITED

CLAIM MAP

RHUB - BARB PROPERTY - NTS 93F/11 & 12

Date:	SCALE 1:100,000	Dwg. No.
91-11-19	0 1 2 3 4Km	Figure 2

Table 1. Rhub-Barb Property Claim Information.

Claim Name	Units	Record Number	Expiry Date
Barb 1	20	7930	Sept. 22, 1993
Rhub 1	20	7933	Sept. 24, 1994
Rhub 2	20	7934	Sept. 24, 1993*
Rhub 3	20	7935	Sept. 24, 1993
Rhub 4	20	7936	Sept. 24, 1993*
Rhub 5	20	12886	Jan. 27, 1994*
Rhub 6	12	12887	Jan. 27, 1994*
Rhub 7	20	8043	Oct. 23, 1998
Rhub 8	20	8044	Oct. 23, 1998
Rhub 9	20	8045	Oct. 23, 1998
Rhub 10	20	8046	Oct. 23, 1993
Rhub 11	20	8047	Oct. 23, 1993
Rhub 12	20	8048	Oct. 23, 1993
Rhub 13	16	8049	Oct. 23, 1993

* Pending acceptance of this report.

iii) Property History

The first recorded work done in the area was a Geological Survey of Canada mapping program, lead by H. W. Tipper in 1949. The results of this program were published in GSC Memoir 324 (Tipper, 1963). Subsequent to Tipper's study, the next record of work undertaken in the claim area was not until 1980 when Guichon Explorco Ltd. had recognized the areas potential for hosting epithermal-type, precious metal mineralization, and through rock chip sampling, outlined two zones with elevated levels of gold, arsenic and mercury (Taylor, 1987). Although follow-up work was recommended, it apparently was never carried out, and the Mar claims they had staked in the area were dropped.

In the summer of 1985 Hudson Bay Exploration personnel (later Mingold Resources Inc. personnel) carried out reconnaissance exploration in the area covered by the old MAR claims as part of a broader program to assess the potential for "Nevada-Type epithermal gold deposits" in the Ootsa Lake Volcanics package. Mineralized boulders containing chalcedonic quartz were found in the area of the old MAR 11 claim. One sample assayed 70 ppb gold, and led Mingold to stake the Rhub and Barb mineral claims (Taylor, 1987).

Follow-up prospecting in the area of the old MAR 11 claim where mineralized boulders containing chalcedonic quartz were found, resulted in the discovery of the "Silver Zone", an area of intense argillic altered Ootsa Lake Volcanics, with epithermal silver and gold mineralization. Exploration work in the Silver Zone has obtained results as high as 18.32 opt Ag in grab sample #4138, and 0.209 opt Au over 1.52 metres in diamond drillhole SDH-9 (from Taylor, 1987 & 1988). Trench MBHT-6, also in the Silver Zone, had a 7.0 metre width averaging 4.73 opt Ag and 0.017 opt Au (Taylor, 1988).

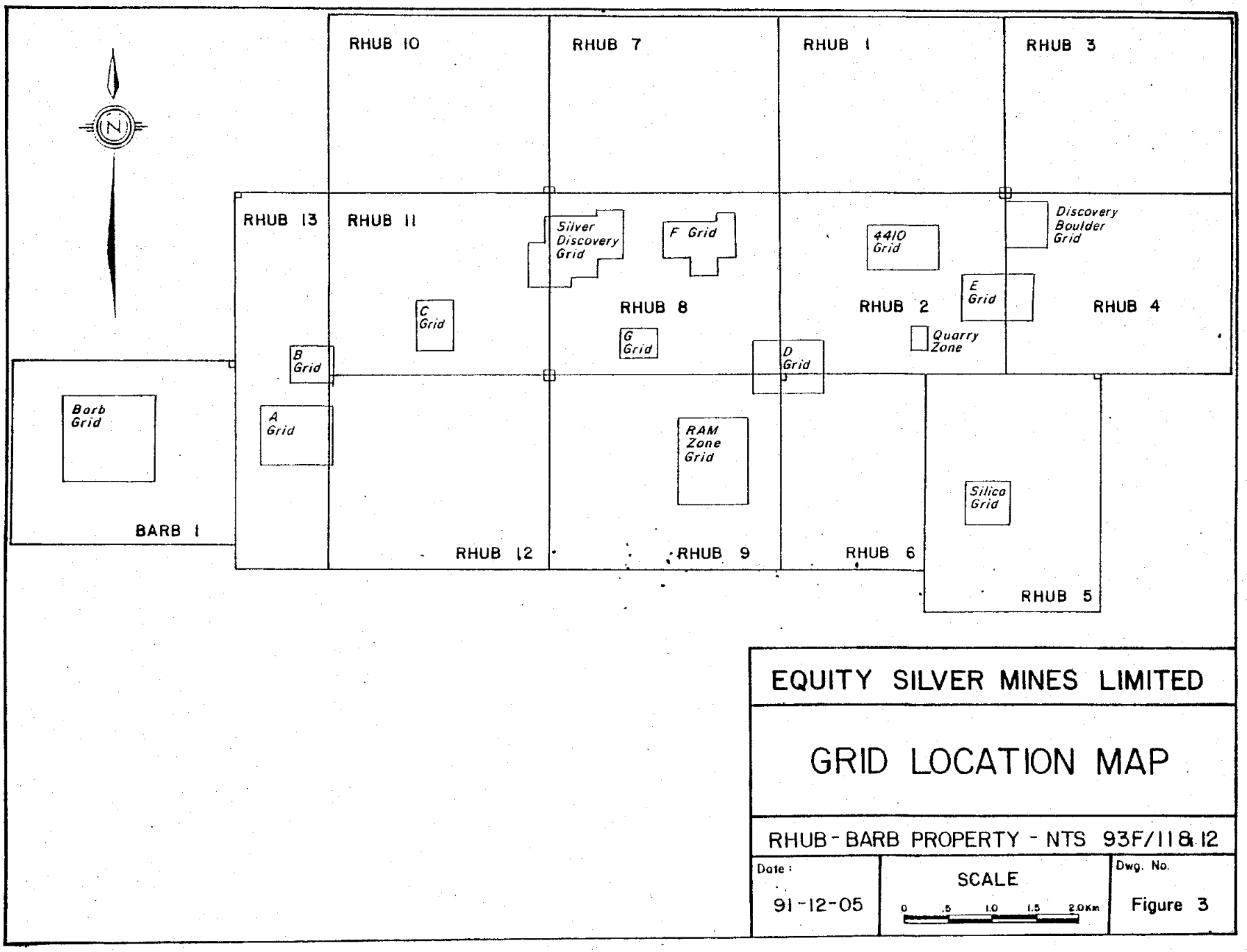
Several other zones have been identified through prospecting and geophysical surveys. In all 14 anomalous areas have been targeted and grids have been established to aid in geological, geophysical and geochemical surveys. Figure 3 is a grid location map showing the targeted areas.

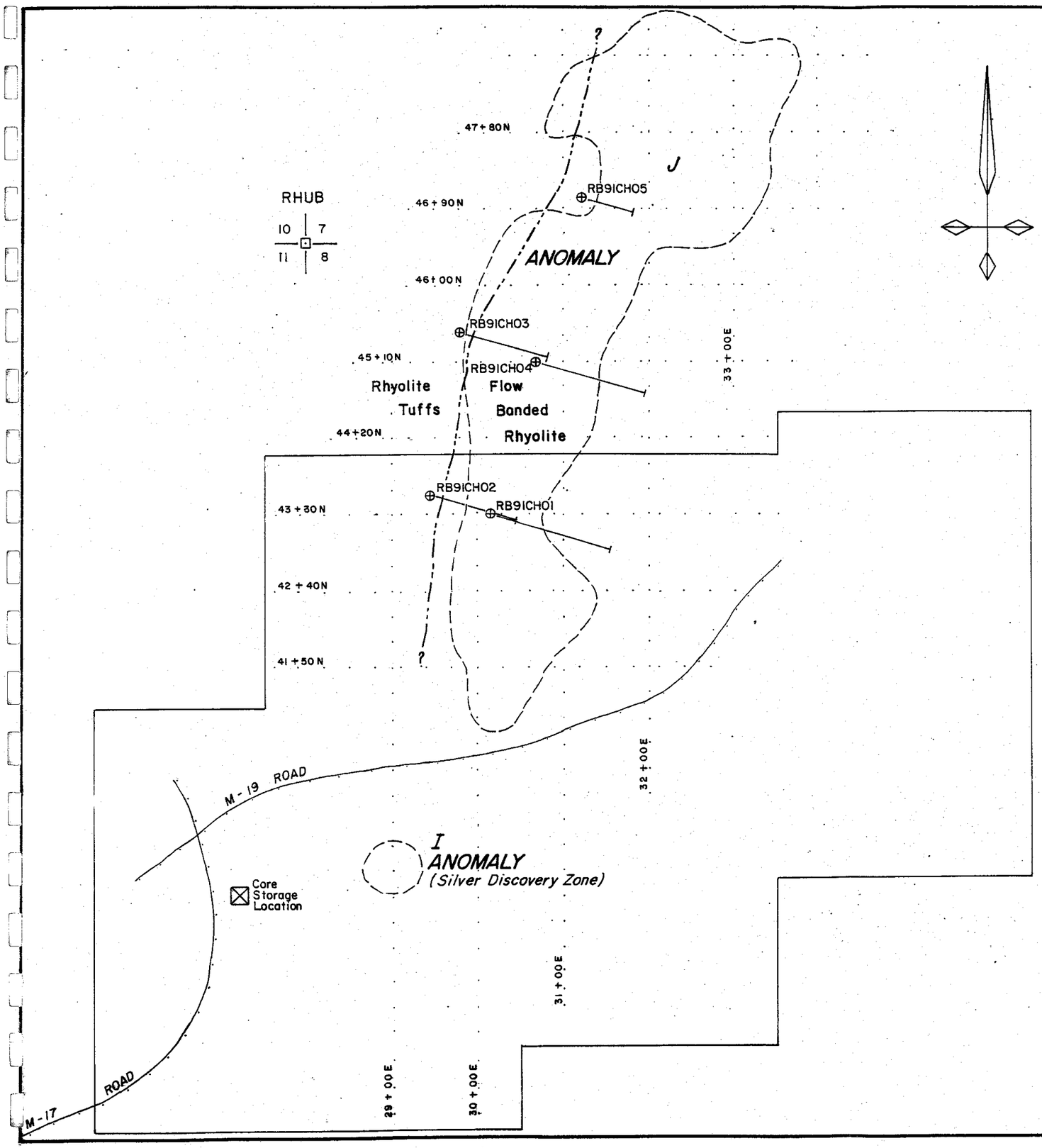
iv) Purpose

In 1989, Target Surveys Inc. conducted a reconnaissance IP-Resistivity survey over the Rhub and Barb mineral claims utilizing the existing network of logging roads on the property. The reconnaissance survey was followed up with a detailed survey over identified anomalous zones. In all, 10 IP-Resistivity anomalies, labelled A through J were identified. Of these anomaly J was believed to be the most significant. Anomaly J is an elongate feature striking N16E and dipping 45-50 westerly (Target Surveys Inc., 1989). The anomaly is on trend with the Silver Zone, which is characterized by a similar IP anomaly on a much smaller scale, called "I", and is partly located within the "Silver Discovery Grid" (see Figure 4). Target Surveys installed a grid extending from the existing 40+00N baseline on the Silver Discovery Grid using 30 metre spacing between stations and 100 metres between north-south lines to detail the anomaly. Equity personnel felt that anomaly J, which covers an area some 900 metres long and 100 to 200 metres wide, and had a much more pronounced signature than anomaly I over the Silver Zone, was a prime target for hosting epithermal silver and gold mineralization. On this premise the property was optioned, and a drill program was initiated to test this theory. A major fault is also interpreted to run along the western margin of the J anomaly, and it was thought the fault may be a contributing factor for the accumulation of economic mineralization.

REGIONAL GEOLOGY

The Rhub-Barb claims are within the south-central part of the Intermontane Belt. An island arc assemblage of intermediate to


RHUB 10
RHUB 7
RHUB 1
RHUB 3
RHUB 13
RHUB 11
Silver Discovery Grid
F Grid
4410 Grid
Discovery Boulder Grid
E Grid
C Grid
RHUB 8
RHUB 2
RHUB 4
G Grid
Quarry Zone
B Grid
D Grid
Barb Grid
A Grid
RAM Zone Grid
Silica Grid
BARB 1
RHUB 12
RHUB 9
RHUB 6
RHUB 5
EQUITY SILVER MINES LIMITED
GRID LOCATION MAP
RHUB - BARB PROPERTY - NTS 93F/11&12
Date : 91-12-05
SCALE
0 .5 1.0 1.5 2.0Km
Dwg. No. Figure 3



LEGEND

- Envelope of IP anomaly
- 1989 IP grid (stations indicated)
- Outline of Silver Discovery Grid
- 1991 drillhole location showing plan trace
- Logging road
- Geologic contact- bottom of the flow banded rhyolite

Note: 1. IP grid is tied into the Silver Discovery Grid at the 40+00N BL, otherwise the two grids are not coincident.

2. 1991 drillholes are tied into the IP grid

EQUITY SILVER MINES LIMITED

1991 DRILLHOLE LOCATION MAP

RHUB-BARB PROPERTY - NTS 93F/11&12

Date:	SCALE 1:5,000	Dwg. No.
91-11-22	0 100 200m	Figure 4

basic volcanics of the Upper Triassic, Takla Group are the oldest rocks in the area. Takla Group rocks are overlain by Middle Jurassic Hazelton Group, a succession of calc-alkaline andesitic to rhyolitic volcanics and minor sediments. Although prevalent elsewhere, Hazelton Group rocks are scarce in the claim area.Lower Mesozoic rocks are unconformably overlain by Upper Cretaceous to Eocene rocks belonging to the Ootsa Lake Group, which dominate the area. These rocks consist of intermediate to felsic subaerial flows and pyroclasts, and are the primary target for exploration in the area.

Ootsa Lake Volcanics are in turn unconformably overlain by a capping of andesitic to basaltic flows of Oligocene to Miocene age, belonging to the Endako Group. Erosional remnants of Endako Group rocks can be seen on the tops of the higher ridges.

The area is structurally complex, with a strong northwesterly fault system, typical of the Cordillera, being overprinted by a strong north to northeasterly fault system, possibly related to a collapsed caldera system.

PROPERTY GEOLOGY

This report will only address the geology in the area of the J IP anomaly. For a description of the geology in other areas on the claims the reader is referred to the 1987, 1988 and 1990 Assessment Reports written on the property.

1991 exploration was confined to a drill programme concentrated in the southwest corner of the Rhub 7 claim and the northwestern upper half of the Rhub 8 claim (Figure 4). This area is underlain by Upper Cretaceous to Early Eocene Ootsa Lake Volcanics consisting of a sequence of rhyolite flows, tuffs, breccias and lahars of undetermined thickness.

i) Flow Banded Rhyolite

The distinctive flow banded rhyolite capping this sequence shows moderate argillic and chloritic alteration, and is silicified to some degree. Silica occurs as an amorphous grey replacement or fracture filling, and is commonly accompanied by disseminated microcrystalline euhedral pyrite, and possibly by marcasite. Brecciated zones occur frequently in the flow banded unit and characteristically have a grey amorphous silica cement with 1-5% pyrite. Fault gouge is also a common occurrence in this unit.

A 1.2 cm wide sulphide vein encountered at 86.59 metres in hole RB91CH-04 assayed 1.03 gpt Au, otherwise the only other significant gold occurred in RB91CH-05, where 0.13 gpt Au occurred over 8.85 metres from 10.32 - 19.17 metres. No significant silver values were encountered in this unit.

ii) Rhyolite Tuffs

An intercalated pile of rhyolite ash tuffs, welded tuffs, lapilli tuffs and tuffites underlay the flow banded unit. This sequence shows moderate to intense argillic alteration and minor chloritization, but is lacking brecciation, and does not contain zones of fault gouge as seen in the overlying flow banded unit. This phenomenon is attributed to the very low degree of competency of these rocks as compared to the flow banded unit. Welded tuffs do however, display intense fracturing and silica + pyrite veining.

Pyrite content can vary from <1% - 5% as in the flow banded unit, and increases with increasing silica veining and/or replacement. The only significantly anomalous interval was encountered in RB91CH-02 from 132.86 - 135.75 metres, where assays of .25 gpt Au and 71.0 gpt Ag were obtained.

iii) Rhyolite Volcanic Breccia and Lahar

A rhyolite volcanic breccia and lahar underlie the tuff sequence, which in turn appears to be underlain by more rhyolite ash and welded tuffs.The lahar and volcanic breccia are typically intensely argillic altered, chloritized, show very weak fracture intensity, and only contain minor to trace amounts of pyrite. Three intervals in hole RB91CH-03 were encountered in this sequence which had anomalous gold and silver (Table 2).

Table 2. Anomalous Intervals In Drillhole RB91CH-03.

ASSAYED INTERVAL	LENGTH	Au gpt	Ag gpt
152.64 - 154.75m	2.11m	.06	64.0
170.93 - 172.72	1.79	.28	14.5
197.31 - 199.96	2.65	.11	12.0

Figure 5, 6 and 7 are cross sections showing the stratigraphy and assay results for the 1991 drilling over the J anomaly. Using the measured flow band angles, it was possible to sketch in the base of the flow banded unit, and trace the contact from section to section in plan. Figure 4 shows the interpreted trace of the contact between the flow banded unit and the underlying volcanic strata. Using the base of the flow banded unit gives a local strike of 012-014 degrees, and a dip of 24-25 degrees easterly over the J anomaly.

All rock types displayed fresh booklets of hydrothermal biotite in addition to the alteration noted. The significance of fresh biotite in an otherwise intensely argillic altered, chloritized and silicified rock sequence is not fully understood. It may be perhaps that the area was subject to several stages of alteration, or that the biotite represents a retrograde alteration phase. In any case, using the occurrence of hydrothermal biotite as an exploration tool is premature until a relationship between the presence or absence of biotite, and the occurrence of precious metals is known.

DIAMOND DRILLING

The J anomaly was tested for near surface epithermal gold/silver with 5 holes, totalling 943 metres, over a strike length of 400 metres. Figure 4 shows the location of the drillholes with respect to J IP anomaly. All 1991 drillholes were located and tied-in using the 1989 IP grid established by Target Surveys Inc.. Approximately 790 metres of exploration roads were constructed to access the 1991 drill sites. The access road was extended from a previous drill road built in 1988 by Mingold Resources Inc..

209 cored intervals of various length were split and sent for assay for silver, gold, arsenic, antimony, iron, lead, zinc and copper. Appendix I contains a complete record of the description of the drill core, the sampled intervals, and the assay results. Appendix II contains a description of sample preparation technique and the analytical procedure used at the Equity lab.

RECLAMATION

Access roads and drill pads were precut prior to dozing, to minimize damage to surrounding trees, and to facilitate more cost effective reclamation. Fallen trees were limbed and lopped into eight foot lengths and scattered in the underbrush. Roads and pads were recontoured and seeded, and erosion control was installed where required. Seed mix was 25% Creeping Red Fescue, 10% Brome Grass, 8.5% Canada Bluegrass, 1.5% Meadow Foxtail, 10% Climax Timothy, 5% Red Top, 30% Alsike and 10% White Clover. In addition, approximately 1000 metres of previous trenching in the Silver Discovery Zone was back-filled and recontoured and seeded with the same mix. Downed trees in the Silver Discovery Zone were cut into eight foot lengths and scattered.

RESULTS AND DISCUSSION

The significant results obtained in the assays from the 1991 drilling program are summarized in table 3.

Table 3. Summary of Anomalous Assay Results - 1991 Drilling.

DRILLHOLE	INTERVAL(m)	LENGTH(m)	Au gpt	Ag gpt	COMMENTS
RB91CH-02	132.86-135.75	2.89	.25	71.0	Tuff
RB91CH-03	152.64-154.75	2.11	.06	64.0	Lahar
RB91CH-03	170.93-172.72	1.79	.28	14.5	Lahar
RB91CH-03	197.31-199.96	2.65	.11	12.0	Lahar
RB91CH-04	86.59-86.61	0.02	1.03	3.0	PyriteVein
RB91CH-05	10.32-19.17	8.85	.13	<3.0	FlowBanded

Although gold and silver values were encountered in drillholes over the length of the J anomaly investigated, it is the author's opinion that the occurrence is of such a low grade and spotty nature that it is not believed that a near surface mineable deposit exists in the area of the J anomaly. Significant gold and silver values were found elsewhere in trenches and drillholes located in, and near the Silver Discovery Zone in previous work, however these results were also spotty. It would seem that the area lacks a mechanism, either structural, chemical or stratigraphic, by which gold and silver would be accumulated into near surface, open pitable economic deposits. Potential for economic precious metal deposits may still exist at depth. The down-dip extension of the J anomaly remains to be tested, and may well be a prime drill target.

CONCLUSION

The J IP anomaly is attributed to the abundance of disseminated pyrite in the area, but does not appear to guarantee gold and silver mineralization. It may be that better precious metal mineralization could be found at depth in the down-dip extension of the anomaly. Several other IP anomalies have been located on the Rhub and Barb mineral claims which have not been drill tested. The occurrence of gold and silver, although spotty, in both the I and J anomalies allows for measured optimism for other IP anomalies to have potential for gold and silver mineralization. It is felt that a mechanism, either structural, chemical or stratigraphic, is required for economic

mineralization. An IP anomaly in conjunction with a juxtaposition of two different rock types or characters, or a major structural feature would make a better drill target than just an anomaly by itself. Intensive field and aerial photo mapping should be conducted in an attempt to identify any possible zones where IP anomalies and geologic complexities coincide.

COST STATEMENT

The following table details the costs incurred in the 1991 exploration program conducted on the Rhub-Barb mineral claims by Equity Silver Mines Limited.

Table 4. 1991 Exploration Expenditures

1. Diamond Drilling	
3093.5 feet @ $24.52/ft	75,857.00
Acid Tests: 14 @ $20/test	280.00
2. Road Building and Reclamation	
Dozer - Included in drill footage rate	-
Falling/Slashing - 40.5Hrs @ 35.00/Hr	1,417.50
Seed - 150Kg @ $2.00/Kg	300.00
Labour - 1 Day @ $175.00/Day	175.00
3. Sample Preparation and Assay	
209 Samples @ $20.00/Sample	4,180.00
4. Geology - May 15 - June 07, 1991	
D. Hanson - 3 Days @ $300.00/Day	900.00
T. Wall - 21 Days @ $225.00/Day	4,725.00
D. Axani - 21 Days @ $175.00/Day	3,675.00
5. Subsistence - West Fraser Logging Camp	
112 Man Days @ $45.00/Man/Day	5,040.00
6. Transportation	
4x4 3/4 Ton Pick-up Rental	
23 Days @ $75.00/Day	1,725.00
7. Field and Office Supplies/Expenses	
Field Supplies	500.00
Office Supplies/Expenses	1,000.00
8. Compilation and Report Preparation	
T. Wall - 10 Days @ $225.00/Day	2,250.00
Drafting, Computer, Typing, Phone, Fax, Consumables	1,000.00
TOTAL	$103,024.50

AUTHOR'S QUALIFICATIONS

I, Trevor J. Wall, do hereby certify that:

1. I am a geologist residing near Houston, British Columbia.

2. I am a graduate of the University of Calgary, in Alberta, obtaining my BSc in Geology in 1983.

3. I have been a practising geologist since 1983 in Alberta and British Columbia.

4. I was employed with Equity Silver Mines Limited on a full-time basis from April 14, 1991 to December 13, 1991, during which time the exploration and report preparation on the Rhub-Barb claims was conducted.

5. The information in the attached report is based exploration work conducted in the area in the past, and on the results of an exploration program on the Rhub-Barb property carried out under my personal supervision, between May 15, 1991 and June 07, 1991.

6. I have no interest in the property, either direct or indirect, nor do I expect to receive any such interest.

Respectfully submitted,
Equity Silver Mines Limited

Trevor J. Wall, Bsc.
Exploration Geologist

REFERENCES

Callaghan, B.;	1990	Assessment Report on the Diamond Drilling and Trenching Programme on the Rhub-Barb Property. Searchlight Consultants Inc.
Taylor, K.;	1987	Geochemical Survey and Trenching Report on the Rhub-Barb 1-13 and Barb Claims. Mingold Resources Inc.
Taylor, K.;	1988	Geochemical and Geophysical Surveying, Trenching and Drilling Report on the Rhub 1-13, and Barb Claims. Mingold Resources Inc.
Target Surveys Inc.;	1989	Geophysical Report on the IP-Resistivity Survey Conducted Over the Rhub and Barb Claim Group Near Ootsa Lake, B.C. for Alta Ventures Inc.. Target Surveys Inc.
Tipper, H. W.;	1963	Nechako River Map-Area, B.C. ; Geological Survey of Canada, Memoir 324

APPENDICES

APPENDIX I

1991 Drill Logs, Logging Codes and Assay Data

DRILLHOLE LOGGING CODE

Column 1 is a key indicating the type of information on each line.

- H - Survey or Header data/information
- L - Lithologic data
- S - Structural data
- A - Assay data
- C - Comments

SURVEY OR HEADER DATA

DDHID - Drillhole number
LOGGED BY - Logger's initials
DATE - Year.Month Drilled
GRID AZM. - orientation of grid (000 if True North)

FROM - start of interval in metres
TO - end of interval in metres
AZM - drillhole azimuth
V-ANG - plunge of hole measured from horizontal
NORTHING - north coordinate of collar
EASTING - east coordinate of collar
ELEVATION - collar elevation in metres above sea level

LITHOLOGIC DATA

FROM - start of interval in metres
TO - end of interval in metres
LITH - lithology codes

- OVBN - overburden
- RHFB - flow banded rhyolite
- RHLT - rhyolitic lapilli tuff
- RHWT - welded rhyolitic tuff
- RHVB - rhyolitic volcanic breccia
- RHLH - rhyolitic lahar
- RHBR - rhyolitic breccia
- RHAT - rhyolitic ash tuff
- RHTF - rhyolitic tuff
- RHAG - rhyolitic agglomerate
- FB - fault gouge

LC - lightness and colour codes

9 - palest	R - red
8 - pale	U - brown
7 - light	A - grey
6 - lighter	O - orange
5 - medium	T - tan
4 - darker	G - green
3 - dark	W - white
2 - very dark	N - black
1 - darkest	

IF - intensity of pre-alteration fracturing

0 - no fracturing
1 - weak fracturing
2 - moderate fracturing
3 - mod. to strong fracturing
4 - strong fracturing
5 - weak brecciation
6 - weak to mod. brecciation
7 - moderate brecciation
8 - mod. to strong brecciation
9 - strong brecciation

ALT - type of alteration

K - argillic
CL - chloritic

MINERAL ABBREVIATIONS

CB - carbonate	PO - pyrrhotite
QZ - quartz	CY - clay
SL - sphalerite	MS - sericite
CL - chlorite	HE - hematite
PY - pyrite	TT - tetrahedite
MG - magnetite	CP - chalcopyrite
EP - epidote	AK - ankerite
BI - biotite	MAR - marcasite

MISCELLANEOUS ABBREVIATIONS

TR - trace	FG - fine grained	PROT - protolith
MNR - minor	MG - medium grained	BREC - brecciated
MOD - moderate	CG - coarse grained	SIL - silica
INT - intense	W/ - with	FRACS - fractures
BTW - between	W/O - without	STN - staining
EOH - end of hole	SDE - sulfide	SILF - silicified
ALTN - alteration	MASS - massive	SBANG - subangular
CF - compare	TEXT - texture	SBRD - subrounded
FRAG - fragment	INTLEV - interleved	FLT - floating
CMTS - cements	THRU - throughout	FIL - fills
REPL - replacement	FAB - fabric	MET - metallic
OCC - occasional	PULV - pulverized	STRA - stratified
ABNT - abundant	STY - streaky	PRIS - prismatic
OPSP - open spaces	<XLN - micro crystalline	TAB - tabular
TRANS - translucent	EUH - euhedral	XLS - crystals
RK - rock	INTBD - interbedded	PRED - predominant
PYRO - pyroclastic	APP - appearance	CEM - cement
MN - mineral	AM - amorphose	LAP - lapilli
< - micro	FXN - finely crystalline	A/A - as above
PORP - porphyritic	ASS - associated	WSP - wispy
PERP - perpendicular	PHENO - phenocryst	MTX - matrix
XC - cross-cutting	AGG - agglomeratic	IRR - irregular
MNZ - mineralization	TEX - texture	SF - sulfides
F - flow	B - band	

TEXTURAL ABBREVIATIONS

<< - microveins (<0.5 mm)
>> - veinlets (0.5 to 5 mm)
VV - veins (>5 mm)
DS- disseminations
P* - porphyritic
A* - amygdaloidal
EN - envelopes
PT - patches
SP - spots
IN - interstitial

STRUCTURAL DATA

ID - structural code

- BX - breccia
- GG - gouge
- CN - contact
- S0 - bedding
- BN - banding (S0 ?)
- FT - fault
- VN - vein
- BD - bedding
- JN - jointing
- SH - shear

CA - angle of structure with respect to core axis

AZM - azimuth of structure if core orientation known

WID - width of structure in millimeters

ASSAY DATA

SAMP# - sample number
REC - core recovery in metres
g/tAG - grams per tonne silver
g/tAU - grams per tonne gold
%CU - % copper
%SB - % antimony
%AS - % arsenic
%FE - % iron
%PB - % lead
%ZN - % zinc

DDH RB91CH01

DDH RB91CH01 SURVEY LOG

H DDHID : RB91CH01
H LOGGED BY : TW
H DATE : MAY 91
H CORE SIZE : NQ
H PROPERTY : RHUB-BARB
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	63.1	106.0	-45.0	4330.00	3015.00	1035.00
R	63.1	111.6	106.0	-43.0			
R	111.6	131.0	106.0	-46.0			
R	131.0	206.0	106.0	-45.0			

DDH RB91CH01 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	20.42	OVBN				:TRI CONED - NO CORE
L	20.42	20.50					:REGOLITH, PEB CONG, ANDESITIC TUFF, RHFB
L	20.50	23.10	RHFB	6A	5	K	:SILF, MNR CL ALT ALONG FRACS, TR PY (<1%)
L							:G-A SIL W/ FNLY XLN PY IN << & FRACS THRU
L							:MNR BI, AT 21.49-23.10 > FS, > SIL, MNR K
L	23.10	23.33	RHFB	4A	6		:AM SIL ##, ABNT < XLN PY ALONG 4A SIL VV
L	23.33	23.89	RHFB	4A	6		:FNLY XLN PY IN G-A SIL & D*
L	23.89	25.40	RHLT	5A	6		:LOC BR ABNT FXN PY IN 4A SIL A*
L	25.40	25.82	RHLT	5A	6	K	: A/A
L	25.82	26.05	FG				:RHLT FRAG & D* PY SOFT CLAY & RK FRAG
L	26.05	26.35	RHLT		6		:5A SIL W/ FXN PY D* (1-2%)
L	26.35	29.11	RHLT	6A	4	K	:PP W/ U* TO SBRD FX W/ MOD K 5A SIL FIL
L							:>> W/ ABNT FXN PY/MAR OVERALL 3-4% PY
L	29.11	31.28	RHWT			CL	:SIL W/ TR PY D* THRU MNR BI, STREAKY G
L							:DUE TO CL ALT
L	31.28	31.49	FG	6A		CLK	:SOFT FRAG RH W/ MNR PY (1-2%)
L	31.49	32.61	RHWT	5A		K	:PORP W/ U*-SBRD FX W/ FB, MNR BI
L	32.61	32.67	FG				:SAME AS FG AT 31.28-31.49 (PY 1-2%)
L	32.67	33.14	RHWT	6A		KCL	: PORP W/ K FX MOD ALT, SIL IN PART W/ ASS
L							:FXN U* PY
L	33.14	35.38	RHFB	6A		CL	:MD-DK SIL >> ll to FB W/ ABNT FXN U* PY
L							:E* W/ CL ALT, LOC GRDG TO RHWT
L	35.38	35.68					:A/A TR PY
L	35.68	36.79	RHWT	6A	3	CLK	:PORP FX PHENO W/ MOD K LOC FRACS W/ ABNT
L							:FXN U* PY & CL ALT ALONG FRACS MOD SILF
L							:TR D* PY (1%) LOC W/ WELL DEFINED FB
L	36.79	37.53	RHFB	W6A	3	K	:PORP, FX PHENO, 5A SILF ll to FB W/ MNR
L							:PY , FXN U* D* PY, (1-2%)
L	37.53	37.84	FG	7A			:SOFT RH CLAY & PULVORISED RH RK FRAG MNR
L							:D* U* PY THRU 2-3%

L	37.84	38.31	RHFB	6AW	4	K	:AS 36.79-37.53 INCREASE FRACS W/ PY FIL
L							:FRACS & D* 2-3%
L	38.31	38.56	RHFB	6AW	4	KCL:	A/A W/ FXN U* PY ALONG FRACS
L	38.56	38.62	FG				:RH CLAY & FRAG W/ ABNT CL ALT & PY THRU
L	38.62	41.30	RHFB	6AW	4	KCL:	SILF PY ASS W/ SIL & FIL FRACS
L	41.30	41.42	FG			CLK:	RH CLAY & RK FRAG W/ ABNT FXN U* PY THRU
L	41.42	44.44	RHFB		4	CLK:	LOC GRDG TO FB TUFF W/ SIL & ABNT PY &
L							:CL ALT ALONG FRACS MNR K
L	44.44	46.39	RHFB		3	KCL:	ABNT FXN U* PY, OVERALL PY IS RARE
L	46.39	47.56	RHFB	5A	3	KCL:	A/A 5A SIL LOC W/ FXN U* PY IN THIN >> 11
L							:TO FB, CA FIL THIN FRAC <1MM
L	47.56	50.57	RHFB	6AW		K	:LOC FB NOT WELL DEFINED & RK GRDG TO WT,
L							:PORPW/ FX, MOD K, A SIL W/ MNR PY IN WISP
L							:BANDS 11 TO & XC FB, U* QZ XLS FIL A*
L	50.57	51.77	RHFB		4	KCL:	A/A FXN PY ALONG FRACS
L	51.77	56.84	RHFB	6WA		KCL:	WISP FB MED 5A SIL 11 TO FB W/ MNR PY OCC
L							:FRACS W/ W CY ALT OTHER FRACS COATED W/
L							:CA, 1-2% PY OVERALL, MNR BI
L	56.84	58.69	RHFB	6WA	7	KCL:	5A SIL & FXN U* PY FIL FRACS,
L	58.69	59.66	RHFB		3		:A/A BUT BREC ENDS, 2% PY
L	59.66	62.30	RHFB	6WA	5		:WELL DEFINED FB, LOC FRAC & BREC (59.92-
L							:59.98) 1-2% PY ASS W/ A SIL OVERALL, ABNT
L							:LOC
L	62.30	62.57	RHFB	6W-GA		KCL:	TR PY ASS W/ >> OF A SIL MNR CL ALT ASS
L							:W/ SIL & PY >>
L	62.57	62.62	RGVB			K	:DISORDERED ARRAY OF SBRD-SBANG CLASTS TO
L							:7MM CHAOTIC NETWORK OF A SIL >> & TR FXN
L							:PY THRU
L	62.62	63.31	RHVB				:A/A MNR CL ALT ASS W/ SIL & PY
L	63.31	66.64	RHWT	6A		KCL:	PORP MOD K OF FX PHENO, LOC W/ WISP FB,
L							:OCC SBANG CLASTS TO 2CM MNR BI, MNR PY
L							:(1%) TYP ASS W/ A SIL % CL ALT, LOC FB
L	66.64	67.90	RHFB	6WA	3	KCL:	PORP OCC FRACS FIL W/ SIL & (1-2% PY)
L	67.90	69.23	RHFB	6WA	3	KCL:	A/A MNR BI, <1% PY
L	69.23	71.73	RHWT	6A		KCL:	PORP, LOC AGG TO 1.5CM, TR PY ASS W/ A
L							:SIL, LOC FB OCC A* W/ XLN QZ (CHALCEDONY)
L	71.73	73.64	RHWT	6A	3	KCL:	A/A OCC FRAC W/ QZ+PY & ASS CL ALT,LOC
L							:AGG W/ SIL+PY & CL ALT SURROUND SBANG-
L							:SBRD CLAST (1% PY)
L	73.64	74.81	RHFB	7A	4		:WSP FB W/ A SIL 11 TO FB & FIL FRAC, PY
L							:COMMON FIL FRAC & OP SP, LOC A SIL BREC
L							:RK CARRYING ABNT FXN U* PY
L	74.81	77.85	RHFB	7A	4	KCL:	A/A MOD K, MNR CL ALT W/ SIL/PY
L	77.85	79.29	RHFB	7A	3	KCL:	A/A W/ DECREASING FRAC INT, 1-2% PY A*
L							:MNR BI
L	79.29	79.87	FG			K	:STRONG K, SOFT CY LIKE MATERIAL, BROKEN
L							:& PULVN RK FRAG, MNR FXN U* PY THRU 1-2%
L	79.87	80.49	RHFB	7A	4	KCL:	MOD K, PY+ A SIL & ASS CL ALT ALONG FRAC
L							:OCC CA FIL FRACS, MNR BI
L	80.49	83.53	RHFB	7A	5	KCL:	A/A OCC QZ+PY A*
L	83.53	86.57	RHFB	7AW	5	KCL:	MOD K, FRAC THRU W/ PY+QZ A* MNZ HAS ASS
L							:CL ALT, MNR BI VUGS HAVE 50-70% FXN U* PY
L							:& MASS PY, OVERALL 5% PY
L	86.57	88.11	RHFB	7AW	4	KCL:	A/A 1-2% PY

L	88.11	92.24	RHFB	7A	4	K	:OCC PYRO TO 3CM MOD K, MNR BI, OCC A* FIL
L							:W/ PY+QZ <1% PY OVERALL
L	92.24	92.57	FG			K	:INTENSE K, RH & PULV RK FRAG, TR FXN PY
L	92.57	92.61	RHFB	7A	5	KCL	:SAME AS 88.11-92.24 INTENSE FRAC, PY+QZ
L							:FIL FRAC & ASS CL ALT
L	92.61	93.08	RHFB	7A	5	K	:MOD K, SLIF W/ ABNT PY + A SIL FIL FRAC
L							:(92.61-93.00) CL ALT ASS W/ PY MNZ,MNR BI
L	93.08	93.33	RHFB	7A			:LOC PYROC, PY+ A SIL + CL A* (2-3% PY)
L	93.33	93.41	FG				:RHFB RK FRAG, ABNT CY, ABNT CL ALT W/ ASS
L							:FXN PY 3-4%
L	93.41	94.00	RHWT	7A	3	CL	:STREAKY FLOW TEXTURE, SBANG CLASTS TO 1CM
L							:MOD FRAC INT W/ PY+QZ FIL FRAC & ASS CL
L							:ALT (2-3% PY OVERALL)
L	94.00	95.77	RHFB	7A	3	KCL	:PORP, FB NOT ALWAYS WELL DEFINED, LOC
L							:PYROC GRDG TO WT, MOD K, MNR BI, MOD FRAC
L							:W/ PY+QZ FIL FRAC & ASS CL ALT (2-3% PY)
L	95.77	96.95	RHBR	7A	6	K	:MOD K, INT SILF SIL FLOODING AUTOBR RK
L							:PROB FB ORIG INT FRAC W/ ABNT PY+QZ SIL
L							:FIL FRAC & OP SP, MNR BI (5-7% PY OVERALL
L							:95.77-96.19 INT FRAC/BR W/ 3-5% PY,96.19-
L							:96.95 FRAC INT INCREASE W/ 7-10% PY
L	96.95	97.38	FG	5A		K	:INT K, MNR PY 2-3% THRU
L	97.38	98.97	RHFB	7AW		K	:OCC SBANG-SBRD CLASTS TO 8MM, OCC PY+QZ
L							:FIL FRACS, MOD K, (<1% PY OVERALL)
L	98.97	100.39	RHFB	7A	3	K	:PORP, MOD K, MNR BI, MOD FRAC INT W/ PY+
L							:QZ+CA FIL FRAC (1% PY OVERALL) RK BECOMES
L							:INCREASING PYROC GRDG TO RHWT
L	100.39	102.29	RHWT	7A	4	K	:PORP, MOD K, LOC W/ STEAKY FB, MOD FRAC,
L							:FRACS COMMON FIL W/ PY+QZ, LOC BR 1-2% PY
L	102.29	103.81	RHWT	7A	4	K	:A/A LOC W/ MORE INT K
L	103.81	105.36	RHWT	7A	4	K	:MOD K, LOC W/ WK FB, MOD FRAC INT, FRAC
L							:COMMON FIL W/ PY+QZ, OCC CA FIL FRAC, MOD
L							:SILF, LOC AGG - ANG CLASTS TO 5MM 1-2% PY
L	105.36	108.47	RHVB		6	K	:BR RHFB, ANG-SBANG CLASTS TO 5CM MATRIX
L							:IS LARGELY REPLACED BY A SIL + 10-15% FXN
L							:PY (3-4% PY OVERALL) LOC VUGS LINED W/ U*
L							:QZ
L	108.47	109.15	RHVB				:A/A 2-3% PY OVERALL, SBANG-SBRD CLASTS TO
L							:6CM
L	109.15	110.13	RHVB	7AW	4	K	:FRAC FIL W/ PY+ A SIL OCC SMALL QZ FIL
L							:VUGS TO 5MM
L	110.13	111.48	RHLT	6A		K	:NO OBV MAFIC MN (ie hornblend), FELSIC
L							:4A COLOR DUE TO MASS INFUSION OF A SIL W/
L							:D* PY THRU, RK WAS ORIG QUITE POROUS (20-
L							:25%) & HAS UNDERGONE INT SILF, SIL IS
L							:HONEYCOMBED THRU RK, LAPILLI TO 1.5CM BUT
L							:GEN <2MM, (3-5% PY)
L	111.48	114.47	RHLT				:A/A MNR BI
L	114.47	114.87	RHLH	6A		K	:POORLY SORTED ANG-SBRD CLASTS TO 5MM IN
L							:MATRIX THAT IS EITHER INT K OR REPL BY
L							:A SIL W/ 1-2% FXN PY
L	114.87	117.53	RHLH				:A/A <1% PY
L	117.53	120.62	RHLH				:A/A CLASTS TO 2.5CM, D* PY, PY IS MORE
L							:ABNT IN A SIL
L	120.62	123.60	RHLH				:A/A VUGGY 10-15% VUGGULAR & INTERGRANULAR

L	123.60	126.45	RHLH	6A		K	:INT SILF W/ 1-2% PY FXN THRU, PATCHY A
L							:SIL W/ FXN PY THRU
L	126.45	126.70	RHLT	7A		K	:PORP, SILF W/ 1-2% D* PY ASS W/ A SIL
L	126.70	132.34	RHLT	7A		K	:A/A ABNT SMALL PATCHES OF A SIL THRU,
L							:PATCHES TO 1CM W/ 30% PY 3-5% PY OVERALL
L	132.34	134.21	RHLT	7A		K	:A/A MICRO XLN BI THRU, G ALT (CL)
L	134.21	138.13	RHLH	6A		K	:SBANG-SBRD CLASTS TO 4CM, TR OF FXN PY
L							:THRU, SILF, PY <1%
L	138.13	138.91	RHLH	6A	1	K	:RD-SBRD CLASTS TO 2.5CM FLT IN A MUDDY
L							:MTX LARGELY K OR SILF, 1-2% D* PY THRU
L	138.91	140.71	RHLH	6A	1	K	:A/A CLASTS TO 6CM, 2-3% FXN U* PY THRU
L							:PY IS TYP SEEN ASS W/ A SILF
L	140.71	143.88	RHLH	6A	1	K	:A/A CLASTS TO 5CM, 3-4% PY THRU A SILF
L	143.88	146.87	RHLH	6A	1	K	:SILF, 5-6% FXN PY & MAR AS MS OR FLATENED
L							:PRIS XLS THRU
L	146.87	149.73	RHLH	6A	1	K	:A/A CLASTS TO 4CM, 5-6% MAR & PY THRU
L	149.73	149.97	RHLH	6A	1	K	:A/A 8G ALT IN SIL
L	149.97	153.08	RHLH	6A	2	K	:8G RD-SBRD CLASTS TO 4CM, INT SILF W/ A
L							:TO GW SIL CARRY 4-5% FXN PY & MS TO FLAT
L							:PRIS MAR
L	153.08	155.50	RHLH	6A		K	:OCC 4A MUDDY STRINGERS, ANG-RD CLASTS TO
L							:4CM CLASTS COMPRISED OF RHFB & RHLT,INT
L							:SIL, 3-5% PY&MAR THRU A/A OCC PY FIL FRAC
L	155.50	156.30	RHLH	5A		K	:RD-SBANG CLASTS TO, 3.5CM INT SILF, 8A
L							:TINGE IN SOME W SIL, 2-3% FXN U* PY THRU
L							:A SIL CLASTS W/ ABNT FXN PY 10-15%
L	156.30	158.75	RHLH	5A		K	:A/A MUDDY MTX, INT K, 1-2% FXN PY THRU
L							:8G TINGE IN A SIL RD-SBRD CLASTS TO 2CM
L							:OCC 4A CARB MUD STRINGERS
L	158.75	159.60	RHAT	8GA		K	:SILF, <1% FXN PY
L	159.60	159.95	RHLH	8GA		K	:8G CLASTS TO 3.5CM (SBRD-SBANG) IN 8G ASH
L							:MTX SIMILAR TO RHAT ABOVE, INT K, SIL, TR
L							:FXN PY THRU
L	159.95	161.16	RHWT	7GA		K	:8P, MOD K, INT SILF, AMETHIST & GA QZ COM
L							:THRU, LOC W/ STREAKY OR B APPEAR, LOC
L							:CONGLOMERITIC, RR SOFT A METALIC MN
L							:(STIBNITE) W/ 4A-N TARNISH, TR PY, 4GN
L							:TABULAR ALT MIN GIVES G POWDER ON STEAK
L							:POSSIBLE HORNBLENDE
L	161.16	161.78	RHWT	7GA		K	:A/A SBANG-SBRD PYROC TO 2CM IN GLASSY K
L							:STREAKY GROUND MAR ABNT (5%) STUBBY TAB
L							:3GN MN GIVING RK EARTH P APPEARANCE TR PY
L	161.78	163.76	RHWT	7GA		K	:A/A LOC INCREASE PYROC W/ MUDDY K MTX
L	163.76	165.35	RHWT	7GA		K	:STUBBY TAB XL GIVES METALLIC LUSTER BUT
L							:HAS POWDER G STREAK NO SILVER A METALLIC
L							:MN PRECENT, TR FXN U* PY THRU
L	165.35	165.94	RHWT	7A		K	:8PG, SMALL ANG -SBRD GLASSY PYROC IN A
L							:GLASSY SILF GROUND MS, AMETHIST & CL GIVE
L							:PG COLOR, ABNT STUBBY TABULAR LEAD A
L							:METALLIC XLS THRU (ALT HORNBLENDE) MNR-TR
L							:FXN U* PY THRU
L	165.94	166.67	RHLH	6A		K	:GA, 8G SILICEOUS ANG-SBRD CLASTS TO 5CM
L							:IN P (AMETHEST) TO A SIL CMT W/ 1-2% FXN
L							:PY THRU

L	166.67	169.48	RHLH	7GA	K	:MOD-INT K, SBANG-SBRD CLASTS TO 5CM QZ+PY
L						:FIL CL FRAC NETWORK FROM 166.67-167.08
L						:FRAC NOT WELL DEVELOPED AFTER 167.08
L	169.48	172.32	RHLH	7GA	K	:INT K, LOC W/ PR SIL REPLACEMENT (170.01-
L						:170.40) & 2-3% FXN U* PY
L	172.32	173.17	RHLH	7GA	K	:INT K, ANG-SBRD CLASTS TO 3.5CM, SILF,TR
L						:FXN U* PY
L	173.17	174.49	RHWT	7A	K	:INT K, SILF W/ 8P (AMETHIST) COLORED SIL
L						:LH LIKE 174.38-174.49 MNR STUBBY TAB SIL
L						:MN THRU
L	174.49	175.41	RHAT	5GA	K	:MOD K, SILF, OCC B* OF MS PY.OVR TR PY
L						:OCC MICRO FRACS FIL W/ QZ+-PY CL ALT
L	175.41	176.19	RHAT	5GA	KCL	:A/A LOC PYROC W/ ANG-SBRD CLASTS TO 2CM
L	176.19	180.79	RHLT	6GA	KCL	:INT K, LAPILLI IN ACL ALT APHANITIC
L						:GROUND MS, LAPILLI GEN <5MM, RANGING TO
L						:1.5CM, TR PY <<1%
L	180.79	181.59	RHAT	5GA	K	:MOD-INT K, SILF, LOC W/ FXN D* PY OVR
L						:PY <1%, LOC PYROC,
L	181.59	182.47	RHAT	5GA	K	:A/A CA FIL FRAC,<1% PY FXN
L	182.47	184.74	RHAT	5GA	K	:A/A INCR PYROC ANG-SBRD CLASTS TO 4CM
L	184.74	186.50	RHAT	6A	K	:INT K, LOC PYROC <1% FXN PY, CA FIL IRREG
L						:FRACS
L	186.50	189.89	RHLT	7AG	KCL	:INT K, RD-SBANG LAPILLI GEN 2-5MM, NO SF
L	189.89	190.51	RHLT	5GA	K	:W/ R SIL THRU INT K, 3-5% FXN PY THRU
L	190.51	190.91	RHLT	7GA	K	:SAME AS 187.82-189.89
L	190.91	191.59	RHAT	7GA	KCL	:MOD K, OCC MD GA SIL+PY FIL FRACS W/ ASS
L						:CL ALT
L	191.59	192.87	RHLT			:GRDG TO PYROC AT, LAPILLI 2-35MM 1-2% FXN
L						:U* D* PY THRU
L	192.87	194.53	RHLT	5AG	KCL	:INT K, LAPILLI TO 25MM, IRREG CA FIL FRAC
L						:2-3% FXN U* PY ASS W/ AG SIL
L	194.53	195.73	RHLH	6GA	KCL	:INT K,SBANG-SBRD CLASTS TO 4.5CM, <1% FXN
L						:PY THRU
L	195.73	196.00	RHAT	6GA	KCL	:MOD K, TR PY
L	196.00	198.86	RHAT	6GA	KCL	:A/A LOC PYROC CLASTS TO 4CM OCC FRACS FIL
L						:W/ A SIL+PY APPROX 1% PY OVERALL
L	198.86	199.68	RHAT	6GA	KCL	:INT K, PYROC W/ SBANG-SBRD CLASTS TO 1.5
L						:CM, OCC CA FIL FRACS, OCC A SIL+PY FIL
L						:FROM <1% PY OVERALL
L	199.68	203.92	RHAT	6GA	KCL	:A/A PYROC TO 3CM <1% PY OVERALL FOUND IN
L						:GA SIL FIL FRACS W/ ASS CL ALT
L	203.92	206.01	RHAT	6GA	KCL	:MOD K, OCC CA FIL FRACS, TR FXN D* U* PY
L						:OVERALL <1% PY
C						E.O.H AT 206.01

DDH RB91CH01 STRUCTURAL LOG

	FROM (m)	TO (m)	ID	CA	AZM	WID (mm)	COMMENTS
S	20.50	21.49	FB	42			:
S		23.89	CN	16			:CONTACT W/ UNDERLYING BR RHLT
S	31.28	31.49	FG	--			:
S	31.49	32.42	FB	14			:
S	32.61	32.67	FG	--			:
S	33.14	35.38	FB	33			:
S	33.91	33.93	FG	--			:POSSIBLE FAULT
S	34.13	34.17	FG	--			:POSSIBLE FAULT
S	38.56	38.62	FG	--			:FAULT GOUGE
S	41.30	41.42	FG	--			:FAULT GOUGE
S	41.42	44.44	FB	23			:
S	44.44	46.39	FB	27			:
S	46.39	47.56	FB	16			:
S	49.90	49.92	FG	--			:
S	50.57	51.99	FB	16			:
S	51.99	53.61	FB	13			:
S	53.61	56.65	FB	17			:
S	59.66	62.30	FB	14			:
S	66.64	67.90	FB	23			:
S	67.90	68.69	FB	17			:
S	71.73	73.64	FB	54			:
S	73.64	74.81	FB	23			:
S	79.29	79.87	FG	--			:FAULT GOUGE
S	79.87	80.49	FB	25			:
S	80.49	83.53	FB	37			:
S	83.53	86.57	FB	28			:
S	88.11	89.47	FB	23			:
S	92.24	92.57	FG	--			:FAULT GOUGE
S	93.33	93.41	FG	--			:FAULT GOUGE
S	103.81	105.36	FB	17			:WK FB
S	111.48	114.47	FB	43			:WK BEDDING
S	180.79	181.59	FB	55			:BEDDING
S		186.50	CN	47			:CONTACT W/ UNDERLYING LT
S		194.53	CN	33			:CONTACT W/ LH
S		195.73	CN	51			:CONTACT W/ AT
C		206.01					:E.O.H.

DDH RB91CH01 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	%CU	g/tAG	g/tAU	%SB	%AS	%FE	%PB	%ZN
A	20.50	23.89	10772		.001	4.0	.01	.01	.001	1.10	.001	.001
A	23.89	25.82	10773		.001	.001	.04	.001	.001	1.99	.001	.001
C	25.82	26.05	N/S									
A	26.05	29.11	10774		.001	.001	.03	.001	.001	1.14	.001	.001
A	29.11	32.42	10775		.001	.001	.03	.001	.001	1.10	.001	.001
C	32.42	36.79	N/S									
A	36.79	37.53	10776		.001	1.0	.03	.001	.001	1.21	.001	.001
A	37.53	37.84	10777		.001	.001	.03	.001	.001	1.60	.001	.001
A	37.84	38.56	10778		.001	1.0	.03	.001	.001	1.17	.001	.001
A	38.56	38.62	10779		.001	.001	.04	.01	.05	6.87	.001	.01
A	38.62	41.30	10780		.001	1.0	.04	.001	.001	1.13	.001	.001
A	41.30	41.42	10881		.001	.001	.04	.01	.001	4.91	.001	.01
A	41.42	44.44	10782		.001	.001	.03	.001	.001	1.93	.001	.001
A	44.44	47.56	10783		.001	.001	.03	.001	.001	1.27	.001	.001
A	47.56	50.57	10784		.001	.001	.02	.001	.001	1.24	.001	.001
A	50.57	53.61	10785		.001	.001	.03	.01	.001	1.34	.001	.001
A	53.61	56.65	10786		.001	.001	.02	.001	.001	1.35	.001	.001
A	56.65	58.69	10787		.001	.001	.02	.001	.001	2.45	.001	.001
A	58.69	59.66	10788		.001	.001	.04	.01	.001	1.47	.001	.001
C	59.66	73.64	N/S									
A	73.64	74.81	10789		.001	.001	.03	.001	.001	2.17	.001	.001
A	74.81	77.85	10790		.001	.001	.04	.01	.001	1.97	.001	.001
A	77.85	79.29	10791		.001	8.0	.03	.001	.001	1.47	.001	.001
A	79.29	79.87	10792		.001	.001	.005	.001	.005	1.70	.001	.01
A	79.87	80.49	10793		.001	.001	.01	.01	.001	1.10	.001	.001
A	80.49	83.53	10794		.001	.001	.03	.01	.001	1.26	.001	.001
A	83.53	86.57	10795		.001	.001	.05	.001	.001	1.27	.001	.001
A	86.57	89.47	10796		.001	.001	.04	.001	.001	1.14	.001	.001
A	89.47	92.24	10797		.001	.001	.04	.01	.001	1.13	.001	.001
A	92.24	92.57	10798		.001	.001	.01	.01	.001	0.82	.001	.001
A	92.57	93.00	10799		.001	4.0	.03	.01	.001	3.59	.001	.01
A	93.00	93.33	10800		.001	2.0	.03	.01	.001	0.91	.001	.01
A	93.33	93.41	10801		.001	3.0	.04	.01	.01	2.10	.001	.01
A	93.41	94.00	10802		.001	.001	.01	.01	.01	1.24	.001	.001
A	94.00	95.77	10803		.001	3.0	.02	.001	.001	1.41	.001	.001
A	95.77	96.19	10804		.001	.001	.02	.001	.001	1.53	.001	.001
A	96.19	96.95	10805		.001	.001	.02	.01	.005	4.24	.001	.01
A	96.95	97.38	10806		.001	.001	.02	.01	.005	4.18	.001	.01
C	97.38	98.97	N/S									
A	98.97	100.39	10807		.001	.001	.02	.001	.005	1.67	.001	.001
A	100.39	102.29	10808		.001	.001	.03	.01	.005	1.55	.001	.001
A	102.29	105.36	10809		.001	.001	.02	.001	.005	1.41	.001	.001
A	105.36	108.47	10810		.001	.001	.02	.01	.005	2.57	.001	.001
A	108.47	110.13	10811		.001	.001	.03	.001	.005	1.63	.001	.001
A	110.13	111.48	10812		.001	.001	.02	.01	.005	1.28	.001	.001
A	111.48	114.47	10813		.001	.001	.03	.01	.005	1.86	.001	.001
A	114.47	117.53	10814		.001	.001	.04	.01	.005	1.37	.001	.001
A	117.53	120.62	10815		.001	.001	.20	.01	.005	1.35	.001	.001
A	120.62	123.60	10816		.001	2.0	.22	.02	.14	1.33	.001	.01
A	123.60	126.70	10817		.001	1.0	.06	.01	.06	1.02	.001	.001

A	126.70	129.77	10818	.001	.001	.07	.01	.05	1.00	.001	.001
A	129.77	132.79	10819	.001	.001	.08	.001	.08	0.90	.001	.001
A	132.79	134.21	10820	.001	.001	.07	.01	.01	0.94	.001	.001
C	134.21	138.91	N/S								
A	138.91	140.71	10821	.001	.001	.13	.01	.16	1.07	.001	.001
A	140.71	143.88	10822	.001	.001	.05	.001	.07	1.12	.001	.001
A	143.88	146.87	10823	.001	6.0	.04	.01	.03	1.06	.001	.001
A	146.87	149.97	10824	.001	9.0	.04	.01	.04	0.95	.001	.001
A	149.97	153.08	10825	.001	.001	.06	.01	.04	1.21	.001	.001
A	153.08	156.30	10826	.001	.001	.05	.01	.01	1.18	.001	.001
A	156.30	158.75	10827	.001	.001	.05	.01	.001	0.98	.001	.001
A	158.75	159.60	10828	.001	.001	.04	.01	.001	1.0	.001	.001
A	159.60	159.95	10829	.001	.001	.04	.01	.001	1.17	.001	.001
A	159.95	161.16	10830	.001	.001	.03	.01	.001	0.93	.001	.001
A	161.16	161.78	10831	.001	.001	.03	.01	.001	0.89	.001	.001
A	161.78	163.76	10832	.001	.001	.03	.01	.005	4.72	.001	.01
C	163.76	165.94	N/S								
A	165.94	166.67	10833	.001	.001	.03	.01	.005	4.92	.001	.01
A	166.67	167.08	10834	.001	.001	.03	.01	.005	2.06	.001	.01
C	167.08	170.01	N/S								
A	170.01	170.40	10835	.001	.001	.02	.01	.005	5.37	.001	.01
C	170.40	189.89	N/S								
A	189.89	190.51	10836	.001	.001	.03	.01	.005	1.35	.001	.01
C	190.51	191.59	N/S								
A	191.59	192.87	10837	.001	.001	.03	.01	.005	4.39	.001	.01
A	192.87	194.53	10838	.001	.001	.02	.01	.005	1.89	.001	.01
C	194.53	206.01	N/S								
C	E.O.H.										

DDH RB91CH02

DDH RB91CH02 SURVEY LOG

H DDHID : RB91CH02
H LOGGED BY : TW
H DATE : MAY 91
H CORE SIZE : NQ
H PROPERTY : RHUB-BARB
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	74.1	106.0	-62.0	4350.00	2945.00	1020.00
R	74.1	135.9	106.0	-63.0			
R	135.9	198.1	106.0	-64.0			
R	198.1	233.5	106.0	-64.0			
R	233.5	233.7	106.0	-63.0			

DDH RB91CH02 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	15.24	OVBN				:TRI CONED - NO CORE
L	15.24	15.72					:LOST CORE
L	15.72	17.06	RHWT	6A		K	:CLASTS & ALT GLASSY SHARDS WELD IN ASH
L							:MTX, STREAKY APPEARANCE, MOD K, SBRD-ANG
L							:CLASTS TO 4CM, A SIL+PY FIL FRACS & REPL
L							:GROUND MASS, 2-3% PY/MAR OVERALL
L	17.06	20.11	RHWT				:A/A INC FRAC INT, 4-6% PY OVERALL,OCC VUG
L	20.11	26.25	RHWT	7A		K	:STREAKY FLOW APPEARANCE, SBRD-ANG CLASTS
L							:TO 1.5CM,ABNT << FIL W/ A SIL /PY FIL OP
L							:SP (REPL) 2-3% PY OVERALL, MNR BI
L	26.25	26.93	RHWT	6A	4	K	:LOC W/ STREAKY APEAR,W/ A A SIL+PY /MAR
L							:FIL FRAC, A SIL/PY FIL OP SP,SILF
L	26.93	29.39	RHWT				:A/A LOC W/ 7Y ALT STN (LIMONITE?) OCC QTZ
L							:A*
L	29.39	32.46	RHWT	7A	4	K	:EARTHY Y STN QUICKLY FORMS ON EXPOSED RK
L							:SIL INT SILF A* A SIL MICRO XLN PY 3-5%
L	32.46	35.55	RHWT	7A		K	:SILF LIMONITE EARTHY Y STN, ABNT SIL A*
L							:LOC PYRO, LOC W/ STREAKY FB 3-4% PY
L	35.55	37.62	RHWT				:A/A LOC FB, 3-4% PY FIL OP SP W/ A/W SIL
L	37.62	38.63	RHWT				:A/A EARTHY Y ALT THRU 3-5% PY + SIL FIL
L							:FRAC & OP SP & OCC FRACS
L	38.63	41.74	RHWT				:SILF STREAKY FB, LOC BR W/ ABNT A SIL/PY
L							:IN MTX, EARTHY Y STN THRU, 3-5% PY FIL OP
L							:SP
L	41.74	43.05	RHAT	7AW		K	:SILF W/ MNR A SIL REPL & FIL FRAC/OP SP,
L							:LOC W/ STREAKY FB 1-2% PY
L	43.05	44.41	RHWT	7A			:UY EARTHY STN & ALT THRU, INT SIL,AY STN
L							:SIL FIL FRACS & OP SP, 2-4% PY
L	44.41	45.23	RHAT	7A		K	:SILF W/ A SIL FIL FRAC & OP SP, TR RUBY R
L							:SIL, 1-2% PY

L	45.23	47.82	RHWT	7WA		K	:LOC FB, SIL W/ A SIL/PY FIL FRAC & OP SP
L							:2-3% PY
L	47.82	50.89	RHAT	7A		K	:LOC W/ STREAKY F TEX, OCC LAP , MS & MICRO
L							:XLN PY + A SIL FIL FRACS & AS REPL, 5-6%
L							:PY OVERALL, OCC AMETHYST A*
L	50.89	52.11	RHAT				:A/A EARTHY Y STN THRU/LIMONITE STN ON CY
L							:ALT A SIL HONEYCOMBED THRU RK, 2-3% PY,
L							:OCC LAP
L	52.11	53.57	RHWT	7A		K	:EARTHY TY STN THRU, LOC W/ STREAKY FB,
L							:SILF, A SIL + PY THRU, 2-3% PY
L	53.57	54.24	RHAT	7A		K	:SILF W/ A SIL FIL FRAC & AS REPL <1% PY
L	54.24	57.07	RHAT	7AG	4	KCL	:TR OF RUBY R CRYPTXLN GLASSY MN IN <<
L							:(JASPER?), LOC WEAKLY FB SIL W/ A SIL IN
L							:FRACS & AS REPL,TR PY 1-2%,TR A METALLIC
L							:MN (MAR?)
L	57.07	60.03	RHAT				:A/A LOC RHLT, LOC W/ WK FB
L	60.03	60.10	RHAT				:A/A 4A SIL FIL FRAC & >> THRU
L	60.10	60.96	RHAT	7A	4	K	:7YA PYRO, LOC FB, A SIL + TR PY FIL FRACS
L							:& >> THRU
L	60.69	63.15	RHWT	7A	4		:SPOTTY YT ALT, 4A SIL+PY FIL FRAC 1-2% PY
L	63.15	65.71	RHWT	6A	6		:INT FRAC, BR, INT SILF IS 4A SIL+PY FIL
L							:MTX, CHAOTIC NETWORK OF >> & FRACS, 3-5%
L							:PY THRU, STREAKY FB
L	65.71	67.40	RHWT				:A/A INC LAP , INT SIL & FRACS, TR PY
L	67.40	69.32	RHVB	6A	6	K	:INT SIL, INT FRAC, 4A SIL+PY PIL FRAC A*
L							:AS REPL, MNR PY 2-3%, ANG-SBRD CLASTS TO
L							:5CM RANDOMLY ORIENTATED IN SILF MTX
L	69.32	71.50	RHVB				:A/A 3-4% PY FIL FRACS & OP SP
L	71.50	73.19	RHVB	5A	3		:PATCHY Y ALT, INT SIL, A SIL OCCURS AS
L							:REPL MNR PY
L	73.19	75.43	RHWT	6A	5	CL	:OCC LAP SBRD CLASTS TO 2CM, STREAKY F TEX
L							:INT SIL W/ 4A TO GA SIL+PY FIL FRAC & >>
L							:1-2% PY
L	75.43	77.82	RHWT	6GA	3	KCL	: Bombs TO 6 CM, STY F TEX, INT SIL TR
L							:TR PY <1%
L	77.82	78.50	RHAT	7A	4	KCL	:INT SIL, NO FRAC 77.82-78.27, NO PY 78.27
L							:-78.50, W/ 4A SIL FIL FRACS & OP SP MNR
L							:PY (<1%)
L	78.50	81.50	RHAT	7A	4	K	:A SIL+PY FILFRACS & OP SP LOC VUG, 2-3%PY
L	81.50	81.76	RHLT	7A		K	:OCC FRACS & OP SP FIL W/ A SIL & MICROXLN
L							:PY 1%
L							
L	81.76	84.62	RHVB	7A	3	KCL	:INT SILF, ANG-SBRD CLASTS TO 3CM IN SILF
L							:MTX NO FRACS RARE PY
L							:RK CARRYING ABNT FXN U* PY
L	84.62	87.66	RHVB				:A/A GA SIL+PY FIL OP SP & AS REPL, 1-2%PY
L	87.66	88.85	RHVB				:A/A PY+SIL FIL RR FRAC
L	88.85	93.06	RHVB				:A/A 1-2% FXN U* D* PY THRU IN << ASS W/
L							:4A SIL
L	93.06	93.97	RHVB				:A/A WK FB
L	93.97	102.43	RHVB	7GA	3	KCL	:ANG-SBRD CLASTS TO 2CM WK F TEX, AG SIL
L							:FIL OP SP & AS REPL, MNR PY
L	102.43	105.30	RHWT	7GA		KCL	:MIX OF ASH W/ ABNT LAP , MNR SILF, TR PY
L	105.30	111.41	RHWT				:A/A PATCH G SIL REPL W/ MNR PY <1%

```
L 111.41 117.00  RHWT   6GA       KCL:IRR PATCH G SIL W/ TR PY, OCC LAP, STY F TEX
L                                    :W/ LONG PATCH SIL & LAP , NO FRAC
L 117.00 123.68  RHWT              :A/A OCC <<, TR FXN U* PY
L 123.68 126.70  RHWT   7GA       KCL:PYRO, PATCHY G CL ALT, SIL REPL STY F
L                                    :STRUCTURE, TR PY D* THRU 1-2%
L 126.70 130.06  RHWT              :A/A INC LAP
L 130.06 134.45  RHLT   6GA       KCL:CLASTS TO 4.5CM FLOATING IN INT ALT ASH
L                                    :MTX, MNR FXN U* PY 3-4% ASS W/ G SIL REPL
L 134.45 135.57  RHLT              :A/A MNR INTBD RHAT 134.66-135.57, 1-2%
L                                    :<XLN U* D* PY THRU & ASS W/ GA SIL REPL
L                                    :VUG POROSITY THRU
L 135.57 136.00  RHAT   6A    5    KCL:SILF W/ 4A  SIL FIL << & AS REPL 2% PY
L                                    :<XLN U* PY THRU
L 136.00 139.03  RHAT              :A/A OCC LAP , 2-3% <XLN U* D* PY THRU
L 139.03 140.15  RHAT              :INC K, SILF LAP TO 4CM
L 140.15 148.29  RHAT   7AG   3    KCL:OCC LAP, PATCHY SIL REPL GIVE RK AN AGG APP
L                                    :2-3% <XLN U* PY ASS W/ A SIL REPL
L 148.29 151.59  RHAT   7GA   3    KCL:A SIL REPL THRU W/ 2-3% <XLN U* PY, OCC LAP
L 151.59 161.11  RHAT              :A/A OCC VUGS LINED W/ U* QTZ & FXN U* PY
L 161.11 163.11  RHLH   5A    4    KCL:SBRD-ANG CLASTS TO 2CM FLOATING IN K ASH
L                                    :MTX, A SIL REPL THRU, OCC SIL FIL FRACS
L                                    :2-3% <XLN / MS PY
L 163.11 163.55  RHLH              :A/A DEC K, MNR PY 1%
L 163.55 175.78  RHLH   5A    2    KCL:SILF LAP ANG-SBRD TO 3CM THRU, GA SIL
L                                    :REPL, LIGHT FRAC <1% PY
L 175.78 191.04  RHLH   5A    2    KCL:SIL ANG-SBRD CLASTS TO 5CM, RARE FRACS
L                                    :MNR <XLN U* PY 1%
L 191.04 191.48  RHLT              :A/A 1-2% <XLN U* MS PY ASS W/ A SIL REPL
L 191.48 197.13  RHLH        4     :A/A 2% <XLN / MS PY
L 197.13 202.90  RHLH              :A/A W/ OCC VUGS A SIL+PY FIL << >> FXN PY
L                                    :W/ A SIL REPL
L 202.90 209.33  RHLH              :A/A W/ 3CM VUG W/ 1CM U* QTZ XLS, MNR PY
L                                    :IN VUG <1% PY OVERALL
L 209.33 212.07  RHLH   6A    2    KCL:SILF LAP THRU, WK FRAC F FAB IMPARTED BY
L                                    :SIMILAR ORIENTATION OF ELONGATE LAP , 1%
L                                    :FXN U* PY
L 212.07 212.38  RHAT   6A    4    KCL:A SIL+PY FIL FRACS & OP SP & REPL, U* QTZ
L                                    :2% PY
L 212.38 214.57  RHAT   7A    5    KCL:4A SIL REPL, INT FRAC W/ 4A SIL+ <XLN PY
L                                    :3-4% PY THRU IN A SIL
L 214.57 215.46  RHAT   7A    5    KCL:ABNT <XLN U* PY FIL FRACS, 5-6% PY
L 215.46 218.50  RHAT              :A/A MOD TOINT FRAC W/ 4-5% PY
L 218.50 220.39  RHAT              :A/A MOD FRAC INT, 2-3% PY IN >> VV
L 220.39 224.59  RHAT   6A    5    KCL:A SIL+PY FIL FRAC & OP SP AS REPL 3-4% PY
L 224.59 226.23  RHAT         4    :A/A 2-3% PY ASS W/ A SIL REPL & FIL FRAC
L 226.23 230.68  RHAT   7A    4    KCL:SILF W/ GA SIL FIL FRAC & OP SP REPL CL
L                                    :ALT 2-3% <XLN U* PY
L 230.68 230.90  RHAT   7A    3    KCL:A SIL+PY  FIL >> & VV <1% PY
L 230.90 233.73  RHWT   6A    2    KCL:STREAKY 7G CL SIL REPL, MNR PY+ A SIL AS
C        233.73                      :E. O. H.
```

DDH RB91CH02 STRUCTURAL LOG

	FROM (m)	TO (m)	ID	CA	AZM	WID (mm)	COMMENTS
S	26.93	29.39	FB	42			:
S		29.39	CN	47			:CN W/ PYRO UNDERLYING UNIT
S	38.63	41.74	FB	27			:
S		45.23	CN	40			:LOWER CN
S	52.11	53.57	FB	56			:
S	57.07	60.03	FB	49			:
S	60.96	63.15	FB	40			:
S		71.50	CN	39			:DEPOSITION CN RHVB
S		77.82	CN	36			:UNDERLYING CN RHAT
S	77.82	78.50	FB	31			:WK BEDDING
S	93.06	93.97	FB	36			:WK BEDDING
S	93.97	96.12	FB	25			:WK FLOW TEXTURE
S	94.27	94.30	FG	--			:POSSIBLE FAULT
S	96.12	99.18	FB	25			:BEDDING
S	99.60	102.15	FB	24			:BEDDING
S	108.37	111.23	FB	34			:BEDDING
S	111.41	114.44	FB	32			:PYRO LONG AXIS
S	117.00	117.54	FB	30			:BEDDING
S	139.03	140.15	FB	57			:BEDDING
C		233.73					:E. O. H.

DDH RB91CH02 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	%CU	g/tAG	g/tAU	%SB	%AS	%FE	%PB	%ZN
A	15.72	17.06	10838		.001	.001	.02	.01	.005	1.98	.001	.01
A	17.06	20.11	10839		.001	.001	.02	.01	.005	1.90	.001	.01
A	20.11	23.23	10840		.001	.001	.03	.01	.005	1.61	.001	.01
A	23.23	26.25	10841		.005	1.0	.04	.001	.005	2.00	.005	.01
A	26.25	29.39	10842		.005	3.0	.03	.01	.001	1.31	.005	.01
A	29.39	32.46	10843		.001	.001	.04	.001	.005	1.40	.005	.01
A	32.46	35.55	10844		.005	2.0	.03	.01	.001	1.44	.001	.01
A	35.55	38.63	10845		.005	1.0	.03	.005	.001	1.10	.001	.01
A	38.62	41.74	10846		.001	.001	.05	.001	.005	1.20	.001	.01
A	41.74	44.41	10847		.001	.001	.05	.001	.005	1.21	.001	.01
A	44.41	45.23	10848		.005	1.0	.02	.01	.001	1.02	.005	.005
A	45.23	47.82	10849		.005	1.0	.03	.01	.001	1.07	.005	.005
A	47.82	50.89	10850		.001	.001	.09	.001	.01	1.70	.001	.01
A	50.89	52.11	10851		.005	1.0	.06	.01	.005	0.99	.01	.01
A	52.11	53.57	10852		.005	1.0	.03	.005	.005	1.05	.005	.005
A	53.57	57.07	10853		.005	1.0	.03	.005	.001	1.10	.001	.001
A	57.07	60.10	10854		.001	.001	.05	.001	.001	1.20	.001	.005
A	60.10	60.96	10855		.001	.001	.04	.001	.001	1.10	.001	.01
A	60.96	63.15	10856		.001	.001	.06	.001	.001	1.40	.001	.01
A	63.15	66.25	10857		.005	1.0	.04	.01	.001	1.54	.005	.01
A	66.25	67.40	10858		.005	1.0	.02	.01	.005	1.58	.001	.01
A	67.40	69.32	10859		.001	.001	.04	.001	.005	1.40	.001	.01
A	69.32	71.43	10860		.005	1.0	.04	.01	.001	1.16	.005	.01
A	71.43	72.38	10861		.001	.001	.04	.001	.005	1.20	.001	.005
C	72.38	78.27	N/S									
A	78.27	81.50	10862		.001	.001	.046	.001	.005	1.60	.001	.01
A	81.50	81.76	10863		.001	.001	.06	.001	.01	1.30	.001	.01
C	81.76	130.06	N/S									
A	130.06	132.86	10864		.005	4.0	.04	.01	.005	31.21	.001	.01
A	132.86	135.75	10865		.01	71.0	.25	.01	.03	1.30	.005	.01
A	135.75	139.03	10866		.005	2.0	.07	.005	.06	0.93	.005	.01
A	139.03	142.11	10867		.001	1.0	.14	.01	.26	1.10	.001	.005
A	142.11	145.21	10868		.001	.001	.13	.01	.32	1.00	.001	.005
A	145.21	148.29	10869		.005	2.0	.07	.005	.21	0.98	.005	.01
A	148.29	151.29	10870		.001	.001	.06	.01	.08	1.20	.001	.005
A	151.29	154.37	10871		.005	2.0	.08	.005	.11	1.00	.005	.01
A	154.37	157.41	10872		.001	.001	.07	.01	.07	1.10	.001	.01
A	157.41	160.45	10873		.001	.001	.07	.01	.14	1.00	.001	.005
A	160.45	161.11	10874		.001	.001	.05	.01	.05	1.20	.001	.01
A	161.11	163.55	10875		.001	.001	.05	.001	.02	1.20	.001	.005
C	163.55	209.33	N/S									
A	209.33	212.07	10876		.001	.001	.05	.001	.02	1.20	.001	.01
A	212.07	212.38	10877		.005	2.0	.04	.005	.01	2.11	.005	.01
A	212.38	215.46	10878		.005	2.0	.04	.005	.01	1.56	.005	.01
A	215.46	218.50	10879		.001	.001	.06	.005	.02	1.60	.001	.01
A	218.50	221.55	10880		.005	1.0	.05	.005	.05	1.22	.005	.01
A	221.55	224.59	10881		.001	.001	.04	.005	.02	1.50	.005	.01
A	224.59	228.92	10882		.005	1.0	.03	.005	.01	1.41	.005	.01
A	228.92	230.90	10883		.001	.001	.04	.005	.03	1.60	.005	.01
A	230.90	233.73	10884		.01	2.0	.04	.005	.01	1.30	.005	.01

DDH RB91CH03

DDH RB91CH03 SURVEY LOG

H DDHID : RB91CH03
H LOGGED BY : TW
H DATE : MAY 91
H CORE SIZE : NQ
H PROPERTY : RHUB-BARB
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	63.1	106.0	-45.0	4535.00	2775.00	1020.00
R	63.1	139.3	106.0	-50.0			
R	139.3	188.1	106.0	-49.0			
R	188.1	199.9	106.0	-49.5			

DDH RB91CH03 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	9.20	OVBN				:TRI CONED - NO CORE
L	9.20	9.81					:LOST CORE
L	9.81	10.00	RHWT	6A	4	K	:SIL W/ A SIL+PY FIL FRACS & >> & OP SP,
L							:1-2% <XLN U* PY STY F FAB MNR BI
L	10.00	10.17	FG				:PUV RHAT IN 4A SILF MTX W/ <1% <XLN U* PY
L	10.17	14.36	RHWT	7A	4	KCL	:YO STN DUE TO FE OXIDE, SILF, A SIL+ <XLN
L							:U* PY FIL VV >>, 1-2% PY MNR BI
L	14.36	17.40	RHWT				:A/A LOC FB, occ LAP , INT SILF W/ A SIL +
L							:3-5% PY IN MTX LOC W/ VUG POROSITY , 1-2%
L							:PY OVERALL
L	17.40	18.68	RHWT	7A			:A/A OCC VUG & FRACS FIL W/ U* QTZ XLS +
L							:MNR PY, ST FB FAB THRU
L	18.68	19.33	RHWT	7A	4	KCL	:WISPY A SIL REPL
L	19.33	25.67	RHWT	7A	4	K	:YO FE OXIDE STN, ST FB FAB, occ LAP , 1-
L							:2% PY ASS W/ A SIL REPL & FIL FRAC, MNR BI
L	25.67	30.65	RHWT	7A		K	:YO FE OXIDE STN, BADLY BROKEN, SILF W/ A
L							:SIL REPL & FIL FRACS & >>, MNR BI, MNR PY
L	30.65	32.39	RHLT	7A		K	:EARTHY YO STN THRU, ANG-SBRD CLASTS TO
L							:2.5CM, A SIL REPL W/ MNR PY (<2%)
L	32.39	32.48	RHFB	7WA	6	KCL	:INT SILF, CHAOTIC NETWORK OF FRACS & <<
L							:FIL W/ A SIL+ MNR <XLN PY (2%), MNR CL ALT
L							:ASS W/ PYRITIZATION, MNR BI
L	32.48	35.52	RHFB	7A	4	CL	:MNR WSP STRINGERS OF SIL REPL MATERIAL,
L							:EARTHY YO STN COATS EXPOSED RK, A SIL+PY
L							:FIL FRAC,OP SP & VUGS, ABNT VUGS TO 3CM,
L							:3-5% PY
L	37.34	42.47	RHFB				:A/A W/ TRANS TO SLIGHTLY P (AMETHIST) U*
L							:QTZ XLS & <XLN PY/MAR LINING XLS
L							:SILF, A SIL + PY THRU, 2-3% PY
L	42.47	42.74	RHFB	7A	4	K	:PATCHY Y EARTHY FE STN, MNR PY <1% ASS W/
L							:A SIL REPL

L	42.74	47.16	RHWT	7A	4	KCL	:INT SILF, A SIL FIL FRAC, OP SP & REPL ORIGINAL MATERIAL, MNR PY ALONG FRACS (<1%) MNR BI
L	47.16	49.61	RHWT				:A/A MOD FRAC INT, 1-2% <XLN U* PY ASS W/ A SIL REPL THRU
L	49.61	50.89	RHWT	6A	5	K	:PATCHY YO ALT, INT SIL W/ A SIL REPL, OP SP FIL & FRAC FIL W/ ASS <XLN PY 3-4%
L	50.89	51.98	RHWT		4		:A/A W/DEC FRAC INT,1-2% PY
L	51.98	56.97	RHWT	6A	5	KCL	:PATCHY TO ALT (STN) INT SILF,MOD FRAC INT OVERALL W/ LOC INT FRAC WHICH BRECRK, A SIL FIL FRACS & OP SP & OCC AS REPL W/ <XLN PY 2%
L	56.97	57.40	RHWT	7A	4	KCL	:STR EARTHY Y FE STN, 1-2% <XLN PY,INT SIL STR F FAB
L	57.40	60.02	RHWT				:A/A LOC W/ INT FRAC, A SIL REPL BRECRK AT 59.39-59.55 ABNT <XLN PY IN VV & >> 2-3%
L	60.02	63.06	RHWT				:A/A, OCC LAP, SEVERAL NARROW BR ZONES OF 15-25CM, INT FRAC W/ PY+SIL+CL ALT ALONG FRACS, 2-3% PY OVERALL
L	63.06	69.03	RHWT	6A	4		:MOD-INT SIL W/ A SIL + MNR PY FIL FRACS, OP SP & AS REPL, SIL BR 63.20-63.28, OCC LAP, MOD FRAC INT OVERALL, LOC W/ INT FRAC
L	69.03	71.84	RHTF	6A	5	K	:INT FRAC W/ A SIL+PY FIL FRAC & OP SP, VUGGY ~2% <XLN PY THRU, ANG-SBRD PYRO & LESS AMOUNT OF DETRITAL MATERIAL & ALT OR REPL ASH
L	71.84	73.14	RHTF			CL	:A/A LOC NARROW BRECZONES, CL ALT ALONG PY FIL FRACS
L	73.14	78.50	RHTF	6A	4	K	:PATCHY YO FE STN, MOD FRAC INT W/ A SIL + ABNT PY FIL FRAC, SILF, ABNT <FRAC PERP TO CA CONTAIN ABNT PY (2% PY OVERALL) ANG-SBRD LAP TO 3CM, STR F FAB
L	78.50	83.21	RHTF		6		:A/A LOC W/ INT FRAC
L	83.21	84.62	RHAT	7A	6	K	:PATCHY TO FE STN, INT FRAC W/ A SIL+PY FIL ALONG FRACS & OP SP,OCC LAP, 1-2% <XLN PY INT SILF, LOC PYRO
L	84.62	89.74	RHAT				:A/A INC PYRO, MNR CL ALT ALONG PY FIL >>
L	89.74	90.69	RHAT	7A	5	K	:INT FRAC, A SIL+PY FIL FRAC, INT SILF, MOD K, 2-3% <XLN PY
L	90.69	92.81	RHAT				:A/A INC FRAC INT
L	92.81	94.66	RHWT	6GA	4	KCL	:PATCHY Y STN, INT SILF W/ A SIL FIL FRAC :/OP SP & AS REPL, ABNT ANG-SBRD LAP TO 1.5CM THRU, STR APPEARANCE, MOD FRAC INT 1% PY FIL FRACS
L	94.66	96.72	RHLT	6A	5		.LAP TO 30MM IN K & SILF MTX, INT FRAC W/ A SIL+PY FIL FRAC & OP SP, 2-3% PY
L	96.72	99.78	RHLT	6A	6	K	:INT FRAC, LOC A SIL BR RK 3-4% PY ALONG FRACS & IN MTX
L	99.78	100.55	RHLT	7A	4	K	:EARTHY Y FE STN ON CY, PY FIL FRAC 1-2%
L	100.55	101.86	RHLT		5		:A/A LOC W/ INT FRAC
L	101.86	102.82	RHAT	7A	4	KCL	:MOD FRAC INT W/ A SIL+PY FIL FRAC, <1% PY OVERALL, OCC LAP
L	102.82	108.30	RHAT				:A/A LOC W/ INT FRAC, 1-2% PY

L	108.30	117.13	RHWT	7A	4	KCL:	ABNT PATCHY YO ALT, occ LAP, LOC VUGGY, WK TO
L						:	MOD FRAC INT, SILF, MNR PY 1-2%
L	117.13	121.09	RHWT	6GA	2	KCL:	occ LAP, TR <XLN U* PY, SILF, WSP F FAB
L	121.09	122.92	RHLT	7A	3	K	:PATCHY EARTHY Y ALT, SILF W/ A SIL FIL
L						:	FRAC, OP SP & REPL, MNR PY 1-2%
L	122.92	128.51	RHLT	7A	4	K	:MOD K, W/ A SIL+PY FIL FRAC & OP SP
L	128.51	133.29	RHLT	6A	6	K	:LOC BR ZONE, A SIL+PY FIL FRAC & COMPRISE
L						:	MTX IN BR ZONE, 2-3% PY
L	133.29	136.45	RHLT	6A	6	:	INT FRAC & BR THRU, A SIL+PY FIL FRAC &
L						:	BR MTX, 3-4% PY
L	136.45	140.62	RHLH	6A	3	K	:A SIL+PY (1-2%) FIL FRAC & OP SP REPL
L	140.62	152.64	RHLH	6A	3	KCL:	ABNT CL ALT G PATCHES & EARTHY YO FE STN
L						:	EXTR PYRO RK, MOD FRAC INT, A SIL + MNR
L						:	PY ALONG FRACS <1% PY
L	152.64	156.85	RHLT	6A	6	CL	:INT FRAC A SIL BR RK, LIPILLI TO 15MM,
L						:	PATCHY Y ALT, LOC VUG W/ W QTZ FIL, FRACS
L						:	BETWEEN 163.23-164.01, 1-2% PY
L	156.85	157.70	RHLT			:	A/A INT FRAC & ALT TO 165.15, 165.15-
L						:	165.70 MOD FRAC INT, MOD K ALT
L	157.70	160.74	RHLT	7GA	4	:	PATCHY YG & G ALT THRU, SBANG-RD LAP TO
L						:	12MM THRU, A SIL + 2-3% <XLN PY FIL FRAC
L						:	& OP SP
L	160.74	162.38	RHLT			:	A/A ABNT PY ALONG FRAC, 2-3% PY
L	162.38	166.71	RHLT	7GA	2	KCL:	SBANG-RD LAP TO 15MM THRU, INT K ALT, MOD
L						:	CL ALT, 3-5% <XLN PY D* &FIL FRAC & OP SP
L	166.71	170.93	RHLH	7GA		KCL:	ANG-SBRD CLASTS TO 4.5 CM FLT IN K & CL
L						:	ALT ASH MTX 3-4% <XLN U* PY D*
L	170.93	171.73	FG			:	INT SILF, LOC BR RK (60%) 4A SIL W/ MNR
L						:	<XLN PY 1-2%, 40% PUV RK FRAG THAT ARE
L						:	INT SILF W/ INT K ALT THRU MTX
L	171.73	177.60	RHAT	7GA	2	K	:PYRO, RARE FRAC, A SIL FIL OP SP 3-4% PY
L	177.60	181.35	RHVB	7A	3	K	:GY PATCHY ALT, ANG BLOCKS TO 6.5CM
L						:	CONSISTING OF FB IN DISORDERED MOSAIC,
L						:	K ALT, RARE FRAC, A SIL REPL THRU, 1-2% D*
L						:	U* PY THRU FIL FRAC & OP SP
L	181.35	185.16	RHLH	7GA	3	KCL:	SBRD CLASTS TO 4CM FLT IN K ALT MTX, RARE
L						:	FRACS, A SIL REPL THRU 2-3% <XLN U* PY
L						:	ASS W/ A SIL REPL
L	185.16	197.31	RHLH	7GA	3	KCL:	ANG-SBRD CLASTS TO 4.5CM, MANY CLASTS ARE
L						:	FB, 2-3% <XLN D* PY
L	197.31	199.96	FG	4A		K	:INT SILF, OCC BR ZONES W/ 2-3% <XLN PY
L						:	THRU
C		199.69				:	E. O. H.

DDH RB91CH03 STRUCTURAL LOG

	FROM (m)	TO (m)	ID	CA	AZM	WID (mm)	COMMENTS
S	10.00	10.17	FG	--			:FAULT GOUGE
S	14.21	14.26	FG	--			:POSSIBLE FAULT
S	14.77	14.81	FG	--			:FAULT
S	18.34	18.38	FG	--			:POSSIBLE FAULT
S	19.17	19.23	FG	--			:POSSIBLE FAULT
S	21.29	21.34	FG	--			:FAULT
S	32.39	32.48	FB	19			:
S	35.52	37.34	FB	15			:
S	56.97	57.40	FB	20			:STREAKY FLOW FAB
S	92.81	93.75	FB	24			:BEDDING
S	111.95	114.99	FB	20			:STR F FAB
S	114.99	117.13	FG	--			:POSSIBLE FAULT
S	117.13	118.03	FB	31			:WSP F FAB
S	140.62	142.42	FB	39			:WSP F FAB
S	170.93	171.73	FG	--			:FAULT GOUGE
S	179.16	179.26	FG	--			:POSSIBLE FAULT ZONE
S	197.31	199.96	FG	--			:FAULT GOUGE
C		199.96					:E. O. H.

DDH RB91CH03 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	%CU	g/tAG	g/tAU	%SB	%AS	%FE	%PB	%ZN
A	9.81	11.32	10885		.005	1.0	.03	.005	.01	1.17	.005	.01
A	11.32	14.36	10886		.005	1.0	.04	.005	.005	1.16	.005	.01
A	14.36	17.40	10887		.005	.001	.01	.005	.01	1.40	.001	.01
A	17.40	21.46	10888		.005	.001	.01	.005	.01	1.40	.001	.01
C	21.46	30.65	N/S									
A	30.65	32.39	10889		.005	.001	.03	.005	.005	1.40	.001	.01
A	32.39	35.52	10890		.005	1.0	.04	.005	.005	1.19	.005	.01
A	35.52	38.48	10891		.005	.001	.04	.005	.005	1.50	.001	.01
A	38.48	41.57	10892		.005	1.0	.03	.005	.005	1.28	.005	.005
A	41.57	42.74	10893		.005	.001	.03	.005	.01	1.30	.001	.01
A	42.74	44.66	10894		.005	2.0	.04	.005	.01	1.16	.01	.01
A	44.66	47.16	10895		.005	3.0	.04	.01	.005	1.09	.005	.01
A	47.16	49.61	10896		.005	1.0	.02	.005	.005	1.13	.005	.005
A	49.61	50.89	10897		.005	2.0	.01	.005	.01	1.30	.005	.005
A	50.89	53.92	10898		.001	.001	.03	.005	.01	1.40	.001	.01
A	53.92	56.97	10899		.005	1.0	.01	.005	.01	1.27	.005	.01
A	56.97	60.02	10900		.005	1.0	.02	.005	.01	1.10	.005	.01
A	60.02	63.06	10901		.005	2.0	.01	.005	.01	1.19	.005	.01
A	63.06	66.10	10902		.001	.001	.03	.001	.01	1.40	.001	.01
A	66.10	67.60	10903		.001	.001	.02	.005	.01	1.30	.001	.01
A	67.60	69.03	10904		.001	.001	.03	.001	.005	1.30	.001	.01
A	69.03	71.84	10905		.001	.001	.03	.005	.01	1.40	.001	.01
A	71.84	74.99	10906		.005	2.0	.02	.005	.01	1.36	.005	.01
A	74.99	78.03	10907		.001	.001	.02	.001	.001	1.60	.001	.01
A	78.03	81.51	10908		.001	.001	.02	.001	.005	1.50	.001	.01

A	81.51	83.21	10909	.005	2.0	.01	.005	.01	1.11	.005	.01
A	83.21	84.64	10910	.001	.001	.03	.001	.005	1.50	.001	.01
A	84.64	87.63	10911	.001	.001	.05	.001	.005	1.80	.001	.01
A	87.63	90.69	10912	.001	.001	.03	.001	.01	1.80	.005	.01
A	90.69	92.81	10913	.005	2.0	.02	.005	.005	1.15	.005	.005
A	92.81	93.75	10914	.005	2.0	.04	.005	.001	1.43	.005	.005
A	93.75	94.66	10915	.005	2.0	.02	.005	.005	1.12	.005	.01
A	94.66	96.72	10916	.001	.001	.04	.005	.03	2.30	.001	.01
A	96.72	99.87	10917	.005	3.0	.02	.005	.005	1.43	.005	.02
A	99.87	101.86	10918	.001	.001	.04	.001	.005	1.60	.001	.01
A	101.86	102.82	10919	.001	.001	.02	.001	.005	1.70	.001	.01
A	102.82	105.80	10920	.001	.001	.03	.001	.005	1.60	.001	.01
A	105.80	108.30	10921	.005	1.0	.02	.005	.005	1.63	.005	.01
C	108.30	124.20	N/S								
A	124.20	127.21	10922	.001	1.0	.03	.001	.02	1.40	.001	.01
A	127.21	130.33	10923	.001	1.0	.04	.001	.02	1.70	.001	.01
A	130.33	133.29	10924	.001	.001	.03	.001	.02	1.70	.001	.01
A	133.29	136.45	10925	.001	1.0	.04	.001	.01	1.40	.001	.01
C	136.45	152.64	N/S								
A	152.64	154.75	10926	.01	64.0	.06	.01	.02	1.00	.005	.001
A	154.75	157.70	10927	.005	5.0	.03	.01	.03	1.20	.005	.001
A	157.70	160.74	10928	.005	4.0	.03	.005	.01	1.10	.001	.001
A	160.74	163.76	10929	.001	3.0	.03	.01	.02	1.40	.005	.001
A	163.76	166.71	10930	.001	3.0	.04	.01	.03	1.30	.005	.001
C	166.71	169.83	N/S								
A	169.83	170.93	10931	.005	5.0	.10	.01	.04	1.10	.005	.001
A	170.93	171.73	10932	.005	25.0	.34	.01	.10	0.86	.001	.001
A	171.73	172.72	10933	.005	6.0	.24	.01	.16	1.10	.001	.001
C	172.72	197.31	N/S								
A	197.31	199.96	10934	.005	12.0	.11	.01	.07	0.93	.005	.001
C		199.96		E. O. H.							

DDH RB91CH04

DDH RB91CH04 SURVEY LOG

H DDHID : RB91CH04
H LOGGED BY : TW
H DATE : MAY 91
H CORE SIZE : NQ
H PROPERTY : RHUB-BARB
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	73.2	106.0	-45.0	4510.00	3065.00	1038.00
R	73.2	130.2	106.0	-46.0			
R	130.2	151.6	106.0	-45.5			

DDH RB91CH04 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	12.94	OVBN				:TRI CONED - NO CORE
L	12.92	13.34					:LOST CORE (RUBBLE)
L	13.34	17.79	RHFB	7A	3	K	:A QTZ + PY FIL FRAC & OP SP, SILF 1-2% PY
L							:MOD FRAC INT
L	17.79	20.35	RHFB	6A	4	K	:INT SILF, W SIL ENVELOPES, OCC PY FIL FRACS,
L							:1-2% PY
L	20.35	23.40	RHFB				:A/A INC FRAC INT LOC INT & BR RK W/ A SIL
L							:+PY FIL FRAC & BR MTX, 2-3% PY
L	23.40	26.30	RHFB	6A	5	CL	:LOC BR ZONES, A SIL + ABNT PY FIL FRAC &
L							:BREC MTX
L	26.30	29.43	RHFB	6A	3	K	:Y ALT ON EXPOSED SURFACE (LIMONITE?), MNR
L							:<XLN PY ASS W/ A SIL REPL 1-2%,MNR BI
L	29.43	33.62	RHFB	6A	2	K	:INT SILF, YO ALT, TR <XLN PY ALONG FRACS
L							:<1% PY OVERALL
L	33.62	37.13	FG			KCL	:INT FRAC & BR RHFB W/ OCC INT CL & K ALT
L							:3-5% <XLN U* PY THRU BR RK CEM W/ SIL+PY
L	37.13	38.48					:SAME AS 29.43-32.52
L	38.48	44.62	RHFB	7A	4	K	:5A GLASSY SIL WSP FB, WK K ALT SIL, YO
L							:ALT THRU, TR PY
L	44.62	45.81	FG		6	KCL	:INT K & CL ALT GOUGE & BR RHFB, INT SIL
L							:LOC ABNT PY W/ ASS A SIL, 2-3% <XLN U* PY
L	45.81	50.26	RHFB	7A	4	KCL	:EARTHY Y POWDER ALT THRU FRACS FIL W/ A
L							:SIL + MNR <XLN U* PY & ASS MNR CL ALT,
L							:OCC VUGS LINED W/ TRANS U* QTZ , 1% PY
L	50.26	51.24	RHBZ	6A	6		:POSSIBLY A FAULT BR ANG RHFB CLASTS ARRANGED
L							:IN A CHAOTIC MANNER & CEMENTED BY A SIL
L							:+ ASS MNR <XLN PY 1-2%, INT SILF
L	51.24	56.33	RHFB	7A	4	KCL	:SILF, A SIL + PY 1-2% FIL FRAC & OP SP,
L							:MNR BI
L	56.33	57.00	RHBZ	7A	4	K	:PATCH Y ALT, INT BREC W/ OCC UNBR RHFB ZONE
L							:A SIL+PY CEMENT ANG BREC CLASTS & FIL FRACS,
L							:2-3% PY OVERALL

L	57.00	57.62	RHBZ		6		:A/A INT BR CEMENTED W/ A SIL + 3-4% <XLN
L							:PY
L	57.62	58.94	RHFB	7A	2	KCL:	:INT SILF, A SIL FIL FRAC & REPL THRU, MNR
L							:BI
L	58.94	59.53	RHBZ	7GA	6	KCL:	:INT BRccW/ A SIL + PY CEMENT, BRccCLASTS, ANG
L							:-SBANG CLASTS TO 4CM, 3-4% PY
L	59.53	60.06	RHFB				:SAME AS 57.62-58.94
L	60.06	66.83	RHFB	7A	4	KCL:	:YG ALT THRU, MNR BI, TR <XLN PY
L	66.83	68.38	RHFB	6A	2	K	:PATCHY Y ALT (FE STN-LIMONITE?)
L	68.38	69.39	RHBZ		6	KCL:	:INT FRAC & BR RHFB W/ INT SILF, A SIL
L							:CEMENTS BR FRAG, TR PY
L	69.39	72.24	RHFB	7A	4	KCL:	:<XLN U* PY ALONG FRACS ,
L	72.24	76.56	RHFB	7GA	4	KCL:	:MNR <XLN U* PY ALONG CL FRACS VERY BROKEN
L							:CORE
L	76.56	77.71	RHBZ				:SAME AS 68.38-69.21
L	77.71	85.51	RHFB	7A	3	KCL:	:A SIL + <XLN U* PY + CL ALT ALONG FRACS
L							:1-2% PY
L	85.51	85.73	FG				:PULV RK FRAG IN INT K + CL ALT CY LIKE
L							:MATERIAL, TR PY
L	85.73	86.83	RHFB				:A/A FRAC AT 86.59-86.61 ORIENTATED @ 150
L							:TO CA FIL W/ MS & <XLN PY (60%) & A SIL
L							:40%
L	86.83	87.49	RHFB	7A	4	KCL:	:SILF, CL A SIL FIL FRACS & OCC AS OP SP
L							:REPL, TR PY, MNR BI
L	87.49	90.54	RHFB		5		:A/A INC FRAC INT
L	90.54	91.94	RHFB				:A/A W/ OCC VUGS 1-2% PY
L	91.94	97.36	RHFB	7A	5	KCL:	:A SIL FIL FRAC, TR PY
L	97.36	102.93	RHFB				:A/A LOC W/ NARROW ZONES W/ INT FRAC &
L							:ABNT PY 5-7% OVERALL PY 1-2%
L	102.93	117.99	RHFB	7A	4	KCL:	:MNR <XLN U* PY ALONG CL ALT FRAC ZONES,
L							:<1% PY OVERALL
L	117.99	118.11	FG	4G	7	KCL:	:CY LIKE MATERIAL W/ OCC RHFB RK FRAG, TR
L							:PY
L	118.11	121.14	RHFB	7A	4	KCL:	:LOC W/ INT FRAC & ABNT CL ALT W/ASS ABNT
L							:PY (118.69-119.05), 1-2% PY OVERALL
L	121.14	124.19	RHFB	6GA	5	KCL:	:INT FRAC W/ A SIL + PY + CL ALT ALONG
L							:FRAC, 2% PY OVERALL, MNR BI
L	124.19	124.29	RHFB				:A/A DEC FRAC INT, TR PY
L	124.29	130.37	RHAT	6A	2	KCL:	:MNR CL ALT ALONG FRACS & ASS W/ A SIL
L							:REPL, TR PY, MNR BI
L	130.37	134.50	RHFB	7A	4	KCL:	:A SIL + MNR PY FIL FRACS & OP SP <1% PY
L	134.50	139.51	RHLH	6GA	2	KCL:	:SBANG-SBRD CLASTS TO 3CM FLT IN K&CL ALT
L							:ASH MTX (VOLC MUD) TR PY
L	139.51	147.27	RHLH	6A	4	KCL:	:SBANG-SBRD CLASTS TO 2.5CM FLT IN K ALT
L							:MTX, A SIL + PY FIL FRAC & OP SP 1-2% PY
L	147.27	149.77	RHAT	7AG	4	KCL:	:OCC LAP , 1-2% <XLN U* D* PY
L	149.77	151.60	RHLH	6GA	3	KCL:	:1-2% <XLN U* PY
C		151.60					:E. O. H.

DDH RB91CH04 STRUCTURAL LOG

	FROM (m)	TO (m)	ID	CA	AZM	WID (mm)	COMMENTS
S	13.34	14.32	FB	33			:
S	17.31	17.79	FB	44			:
S	26.30	28.55	FB	41			:
S	32.52	33.62	FB	32			:
S	33.62	35.58	FG	--			:FAULT ZONE
S		37.13	CN	24			:LOWER FAULT CONTACT
S	37.13	38.48	FB	40			:
S	41.72	42.72	FB	33			:
S	51.24	52.24	FB	36			:
S	52.24	53.94	FB	32			:
S	62.11	63.11	FB	10			:
S	66.16	66.83	FB	03			:
S	69.39	72.24	FB	29			:
S	72.24	75.29	FB	07			:
S	75.29	76.56	FB	14			:
S	77.71	78.38	FB	06			:
S	84.47	85.51	FB	16			:
S	85.51	85.73	FB	59			:
S	85.73	86.83	FB	12			:
S	91.94	93.59	FB	27			:
S	96.65	97.36	FB	22			:
S	102.93	105.80	FB	32			:
S	108.85	111.89	FB	16			:
S	121.14	124.19	FB	18			:
S	133.41	134.50	RB	35			:
C		151.60					:E. O. H.

DDH RB91CH04 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	%CU	g/tAG	g/tAU	%SB	%AS	%FE	%PB	%ZN
C	13.34	20.35	N/S									
A	20.35	23.40	10935		.005	5.0	.03	.01	.02	1.20	.001	.01
A	23.40	26.30	10936		.005	5.0	.04	.01	.02	2.10	.001	.01
C	26.30	33.62	N/S									
A	33.62	37.28	10937		.005	3.0	.04	.01	.02	2.10	.001	.01
C	37.28	43.62	N/S									
A	43.62	44.71	10938		.005	2.0	.04	.01	.02	3.00	.001	.01
C	44.71	50.26	N/S									
A	50.26	51.24	10939		.005	2.0	.04	.01	.02	2.40	.001	.01
A	51.24	53.94	10940		.001	3.0	.03	.005	.02	1.30	.001	.01
A	53.94	56.33	10941		.005	3.0	.06	.005	.02	1.50	.001	.01
A	56.33	57.62	10942		.005	3.0	.04	.005	.02	2.30	.001	.01
A	57.62	58.94	10943		.005	3.0	.07	.005	.02	1.20	.001	.005
A	58.94	59.53	10944		.001	.001	.03	.01	.01	1.60	.005	.01
C	59.53	68.38	N/S									
A	68.38	69.39	10945		.001	.001	.06	.01	.005	1.40	.005	.01
C	69.39	76.56	N/S									
A	76.56	77.71	10946		.001	.001	.04	.005	.01	2.20	.005	.01
A	77.71	78.38	10947									
A	78.38	81.42	10948		.001	.001	.04	.01	.005	2.50	.001	.01
C	81.42	86.59	N/S									
A	86.59	86.61	10949		.001	3.0	1.03	.05	.51	16.07	.005	.005
C	86.61	118.69	N/S									
A	118.69	119.05	10950		.001	1.0	.07	.01	.03	2.30	.005	.01
C	119.05	121.14	N/S									
A	121.14	124.19	10951		.001	.001	.03	.005	.01	1.40	.001	.01
C	124.19	139.51	N/S									
A	139.51	142.49	10952		.001	.001	.06	.005	.05	1.20	.001	.01
A	142.49	145.54	10953		.001	.001	.06	.005	.01	1.10	.005	.01
C	145.54	151.60	N/S									
C		151.60	E. O. H.									

DDH RB91CH05

DDH RB91CH05 SURVEY LOG

H DDHID : RB91CH05
H LOGGED BY : TW
H DATE : JUN 91
H CORE SIZE : NQ
H PROPERTY : RHUB-BARB
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	0.0	106.0	-65.0	4701.00	3122.00	1038.00
R	65.84	142.04	106.0	-65.5			
R	142.04	151.81	106.0	-65.0			

DDH RB91CH05 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	3.5	OVBN				:TRI CONED - NO CORE
L	3.5	9.12	RHFB	6A	3	K	:LOC BREC, SIL CMTS BREC FRAG, ABNT FE STN
L							:ALONG FRACS, MNR PY (1-2%)
L	9.12	10.32	RHAT	6A	5	K	:SILF, MNR CL ALT ALONG FRACS, TR PY (<1%)
L	10.32	12.92	RHLH	5A	5	K	:SBANG - SBRD CLASTS TO 2.5 CM FLT IN INT
L							:K MTX, A SIL +/- PY FIL FRACS (2-3% PY),
L							:MNR CL ALT, @ 11.44 TR A MET MINERAL STRA
							:PRIS TAB MASSES, SOFT, (STIBNITE)
L	12.92	13.97	RHWT	7A	3	K	:STR FLOW FAB, MOD K, TR PY (1%), SILF
L	13.97	14.38	RHLH	6A	2	KCL	:SBRD -SBANG CLASTS TO 2.5 CM IN INT K MTX,
L							:MNR CL ALT, A SIL REPL THRU, MNR BI, 1-2%
L							:PY
L	14.38	18.63	RHFB	6A	5	K	:LOC BREC, MOD K, INT SILF, MNR BI, PY+SIL
L							:FIL OCC FRACS, 1-2% PY OVERALL, @ 17.03 -
L							:18.63 OCC VUGS TO 1.5 CM LINED W/ TRANS
L							:EUH QZ XLS + MNR PY
L	18.63	19.17	RHFG	5GA			:ABNT RH RK FRAG IN INT K + CL ALT CLAY
L							:LIKE MATERIAL, 1-2% PY
L	19.17	19.35					:LOST CORE
L	19.35	21.29	RHLH	6A	3	K	:ANG -SBANG CLASTS TO 4.5CM IN INT K, 1-2%
L							:MICROXLN PY THRU, SILF W/ ABNT A SIL REPL,
L	21.29	23.74	RHLT	6A	5		:LOC BREC, PYROCLASTIC, MNR BI, 1-2% PY,
L							:@ 23.13 - 23.74 MNR INTBD AT
L	23.74	28.08	RHAG	6A	3	K	:MNR BI, TR PY, A SIL REPL THRU, SIL LOC
L							:BREC RK, @26.14 - 28.08 CLASTS PRED RHFB
L							:TR PY
L	28.08	29.21	RHLT	6A	2	K	:SILF, MNR BI, TR PY, LIPILLI TO 1.5CM
L							:MNR INTBD AT, FLOW BANDED 29.00-29.21
L	29.21	35.70	RHWT	7A	4	K	:A SIL + MNR PY FIL FRACS & OPEN SPACES,
L							:1-2% PY OVERALL MNR BI, LOC VUGGY
L							:@ 30.32-32.26 WK FRAC INT, TR PY
L	35.70	47.55	RHAT	7A	4	K	:MOD-INT K, A SIL + MICROXLN EUH PY FIL
L	47.55	67.34	RHAT	7A	4	K	:MOD -INT K, A SIL + MICROXLN EUH PY FIL

L							:FRACS, 2-3% PY, LOC W/ WK FLOW BANDED FAB
L							:LOC NARROW BREC ZONES
L	67.34	81.07	RHAT	7A	4	K	:WK K, TR-MNR PY (~1%) A SIL + PY FIL FRAC
L							:LOC W/ WK FLOW BAND FAB
L	81.07	83.37	RHWT	7A	5	K	:INT K, A SIL+PY FIL FRACS @ OP SP
L							:2-3% PY
L	83.37	84.25	RHAT	7A	2	K	:WK K, A SIL+PY ALONG FRACS, (<1% PY) LOC
L							:W/ WK WELDED OR FB FAB
L	84.25	108.18	RHWT	7A	6	K	:MOD K,W/ LOC INT K, OCC BREC ZONE, INT
L							:FRAC & BREC ZONE @ 90.22-95.69 W/ 2-3% PY
L							:FG @ 110.61-110.76
L	108.18	113.42	RHAT	7A	3	K	:MOD K, A SIL FIL FRACS, TR PY (<1%)
L	113.42	116.99	RHWT	7A	2	K	:MOD K, TR PY, MNR CL ALT ALNG PY FIL FRAC
L	116.99	122.45	RHAT	6A	5	K	:INT K, A SIL+PY+ASSOC CL ALT ALONG FRACS
L							:2% PY OVERALL
L	122.45	123.17	RHBZ	6A	6	-	:PROT WAS EITHER AN AT OR WT, INT BREC W/
L							:A SIL CEM BREC CLASTS, 3-4% PY THRU
L	123.17	132.89	RHWT	7A	4	K	:MOD K, A SIL+CL ALT ALONG FRACS, TR PY
L							:FG @ 127.15-127.25
L	132.89	136.65	RHAT	7A	2	K	:INT K, LOC PYROC, TR PY
L	136.65	144.09	RHWT	6A	4	K	:PATCHY A SIL REPL THRU, MOD-INT K,MNR PY
L							:1-2% FIL FRACS
L	144.09	151.18	RHAT	7A	4	K	:MOD K, ABNT PY ALONG FRACS, A SIL AS OP
L							:SP REPL & FIL FRAC, WK FB FABRIC @ 150.18
L							:-151.18
C							:E.O.H. 151.18

DDH RB91CH05 STRUCTURAL LOG

	FROM (m)	TO (m)	ID	CA	AZM	WID (mm)	COMMENTS
S	3.50	4.88	FB	42			:
S	7.88	9.12	FB	49			:
S		11.44	MN	--			:TR A MET STRA PRIS TAB SOFT
S	12.92	13.97	FB	43			:STREAKY FLOW FABRIC
S	17.03	18.63	FB	38			:
S		78.82	FB	60			:
S	90.22	95.69	BZ	--			:INT FRAC & BREC ZONE W/ 2-3% PY
S	110.61	110.76	FG	--			:FAULT GOUGE
S	127.15	127.25	FG	--			:FAULT GOUGE
S	150.23	151.18	FB	49			:FLOW BANDED FABRIC

DDH RB91CH05 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	%CU	g/tAG	g/tAU	%SB	%AS	%FE	%PB	%ZN
C	0.00	3.50	N/S									
A	3.50	7.88	10954		.001	.001	.07	.01	.03	1.00	.001	.005
A	7.88	9.12	10955		.001	.001	.05	.005	.01	0.84	.001	.01
A	9.12	10.32	10956		.001	.001	.05	.01	.01	1.00	.001	.01
A	10.32	12.92	10957		.01	2.0	.21	.01	.01	1.40	.005	.01
A	12.92	13.97	10958		.005	.001	.07	.01	.05	1.20	.001	.01
A	13.97	14.38	10959		.001	.001	.22	.01	.15	1.00	.001	.01
A	14.38	17.03	10960		.001	.001	.11	.01	.06	1.00	.001	.01
A	17.03	18.63	10961		.001	.001	.04	.005	.01	0.91	.001	.01
A	18.63	19.17	10962		.005	5.0	.23	.01	.09	1.40	.001	.01
C	19.17	47.55	N/S									
A	47.55	50.60	10963		.005	.001	.05	.005	.05	1.00	.001	.01
A	50.60	52.42	10964		.005	.001	.10	.005	.05	1.10	.001	.01
A	52.42	54.86	10965		.001	.001	.06	.005	.02	1.10	.001	.01
A	54.86	56.69	10966		.001	.001	.07	.005	.05	1.10	.001	.01
A	56.69	59.74	10967		.001	.001	.03	.005	.01	1.20	.001	.01
A	59.74	62.79	10968		.001	.001	.02	.005	.01	1.20	.001	.01
A	62.79	65.84	10969		.001	1.0	.03	.005	.005	1.30	.005	.01
A	65.84	67.34	10970		.001	.001	.05	.01	.03	1.60	.005	.01
C	67.34	81.07	N/S									
A	81.07	83.37	10971		.005	2.0	.12	.01	.15	1.40	.005	.01
C	83.37	90.22	N/S									
A	90.22	93.27	10972		.005	.001	.06	.01	.07	1.30	.005	.01
A	93.27	95.69	10973		.005	2.0	.04	.005	.02	1.60	.005	.01
C	95.69	116.99	N/S									
A	116.99	119.85	10974		.005	1.0	.08	.01	.10	1.30	.005	.01
A	119.85	122.45	10975		.001	.001	.04	.005	.06	1.10	.005	.01
A	122.45	123.17	10976		.005	4.0	.03	.01	.17	1.50	.005	.01
C	123.17	144.09	N/S									
A	144.09	145.08	10977		.005	.001	.04	.005	.02	1.00	.005	.01
A	145.08	148.13	10978		.005	.001	.03	.005	.01	1.30	.005	.01
A	148.13	151.18	10979		.005	1.0	.03	.01	.01	1.30	.005	.01

APPENDIX II

Analytical Procedure

i) rock preparation

- samples are hot air dried and pulverized to -100 mesh

ii) analytical procedure for Cu, Zn, Pb, As, Sb, Ag, Fe

- 1 gram of pulverized material is dissolved in 5 ml of nitric acid
- solution is boiled for 15 minutes
- 20 ml of 2% tartaric and 10 ml hydrochloric acid are added
- solution is heated gently for 10 minutes
- solution is cooled and allowed to settle for 15 minutes
- analysis by Atomic Absorption

iii) analytical procedure for Au

- fire assay 25.0 gram sample with 130 grams of flux and 2 mg silver
- to prill from fire assay add 2 ml 1:1 nitric acid
- heat gently
- add 3 ml conc. hydrochloric acid
- cool solution to room temperature
- analysis by Atomic Absorption

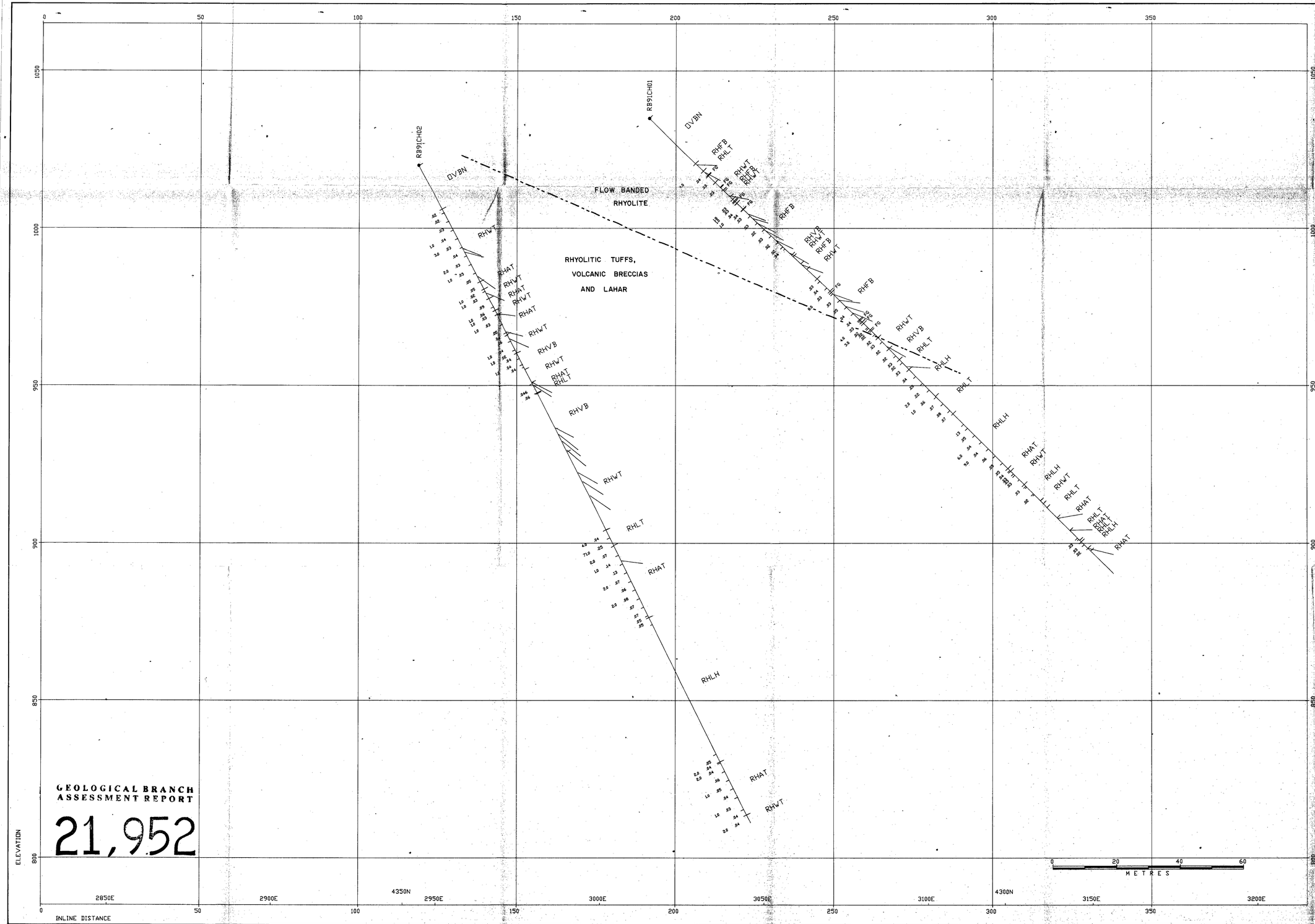
POCKETS

Pocket 1 - Cross Section 1 ; Figure 5

Pocket 2 - Cross Section 2 ; Figure 6

Pocket 3 - Cross Section 3 ; Figure 7

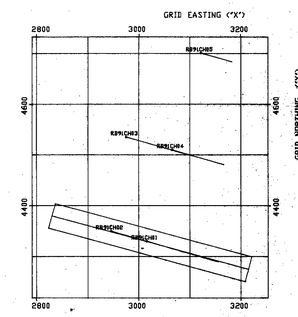
CROSS SECTION 1
RHUB-BARB PROPERTY
FIGURE 5



LEGEND

FG	Fault Gouge
RHAT	Rhyolite, Ash Tuff
RHBZ	Rhyolite, Breccia Zone
RHFB	Rhyolite, Flow Banded
RHLH	Rhyolite, Lahar
RHLT	Rhyolite, Lapilli Tuff
RHTF	Rhyolite, Tuffite
RHVB	Rhyolite, Volcanic Breccia
RHWT	Rhyolite, Welded Tuff

Dip measurements
(flow banding, contacts, bedding)
Contact



0 100 200 300 400
METRES

LOCATION OF THIS CROSS-SECTION

XL	YL	XR	YR
2830.	4380.	3215.	4275.

WIDTH	ZT	ZB
50.	1038.	811.

LOOKING NE

DIRECTORY: /EQUITY_OD/USR/GL-DDH/RHUB
DATA FILE: GL-RHUB

ASSAY CUTOFF: 0.50 Ag 0.02 Au

POSTED DATA

ASSAYS	DH ROCK TYPE
PPM AG	PGI
PPM AU	RI

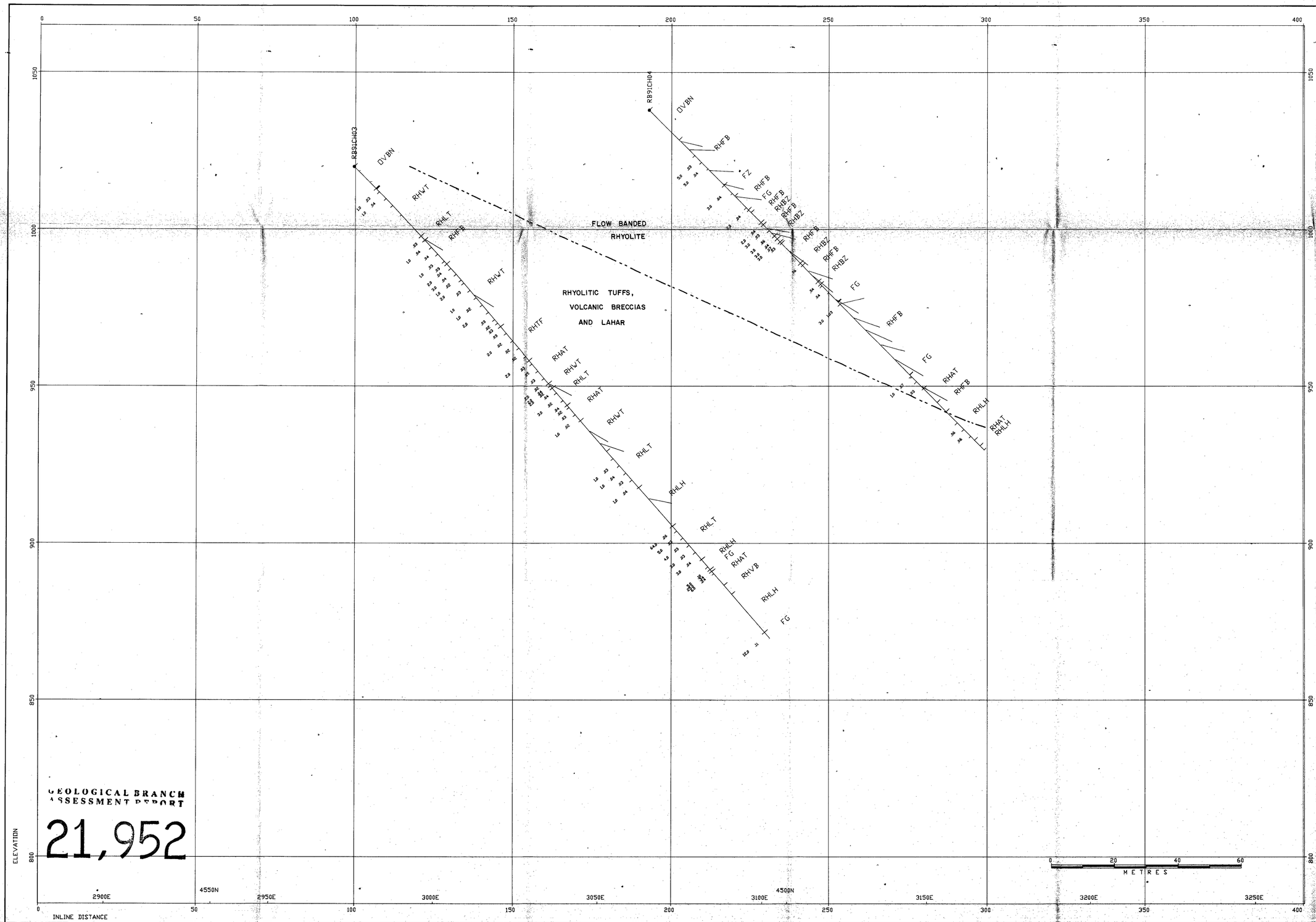
EQUITY SILVER MINES LIMITED

DRAWN EXP	CROSS SECTION 1
DATE 91/12/09	RHUB-BARB PROPERTY
SCALE 1:500	FIGURE 5
NO.	PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,952

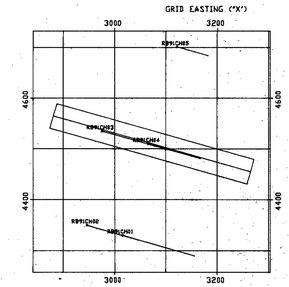
CROSS SECTION 2
RHUB-BARB PROPERTY
FIGURE 6



LEGEND

FG	Fault Gouge
RHAT	Rhyolite, Ash Tuff
RHBZ	Rhyolite, Breccia Zone
RHFB	Rhyolite, Flow Banded
RHLH	Rhyolite, Lahar
RHLT	Rhyolite, Lapilli Tuff
RHTF	Rhyolite. Tuffite
RHVB	Rhyolite, Volcanic Breccia
RHWT	Rhyolite, Welded Tuff

Dip measurements
(flow banding, contacts, bedding)
Contact



0 100 200 300 400
METRES

LOCATION OF THIS CROSS-SECTION

XL	YL	XR	YR
2880.	4565.	3265.	4455.

WIDTH	ZT	ZB
50.	1038.	811.

LOOKING NE

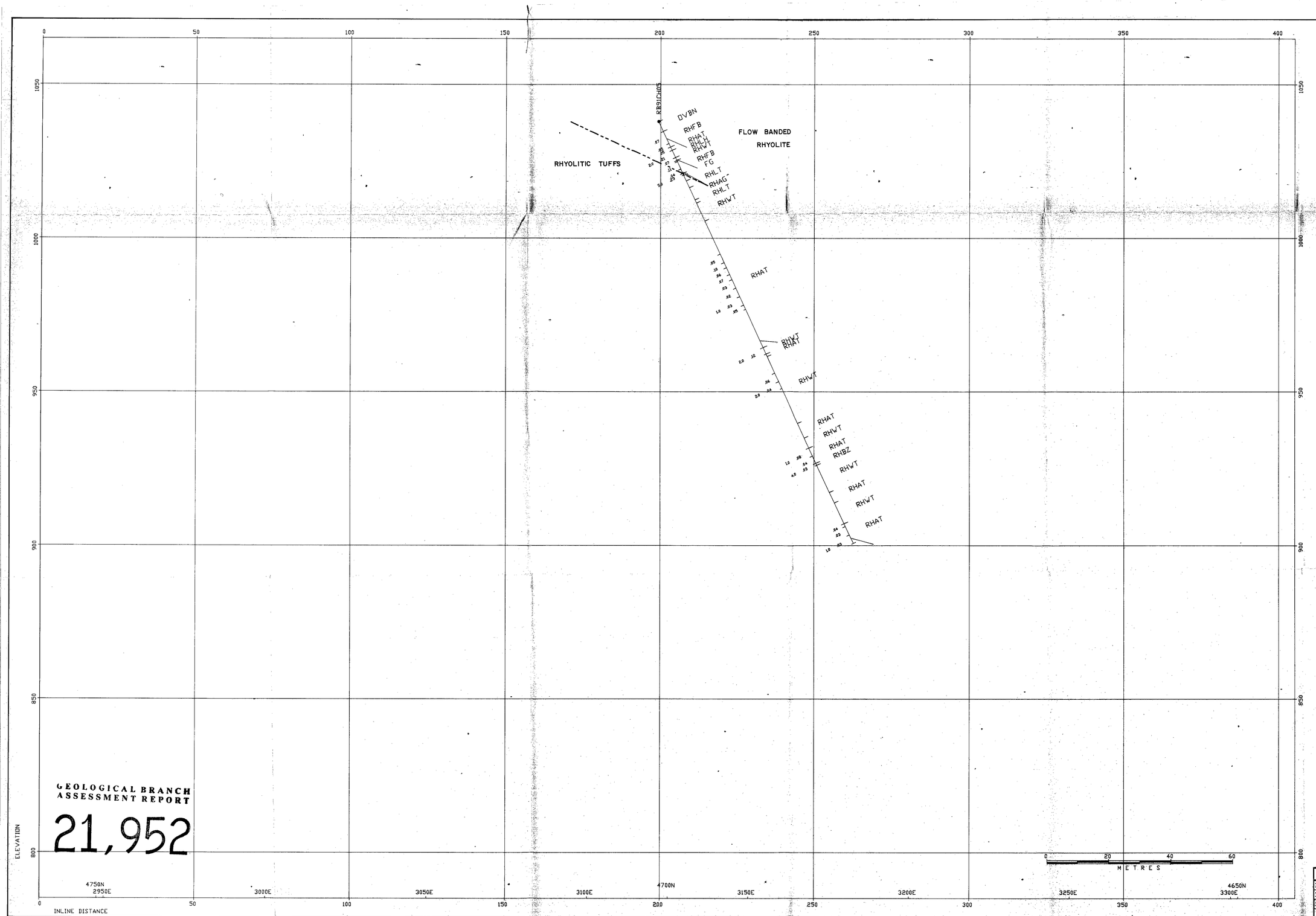
DIRECTORY: /EQUITY_OD/USR/GL-DDH/RHUB
DATA FILE: GL-RHUB

ASSAY CUTOFF: 0.50 0.02

POSTED DATA
ASSAYS DH ROCK TYPE
PPM AG | PGI
PPM AU | RI

0 20 40 60
METRES

EQUITY SILVER MINES LIMITED	
DRAWN EXP	CROSS SECTION 2
DATE 91/12/09	RHUB-BARB PROPERTY
SCALE 1:500	FIGURE 6
	NO. PLATE

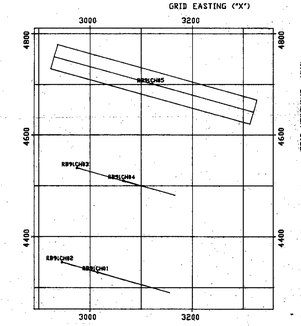


CROSS SECTION 3
RHUB-BARB PROPERTY
FIGURE 7

LEGEND

FG	Fault Gouge
RHAT,	Rhyolite, Ash Tuff
RHBZ	Rhyolite, Breccia Zone
RHFB	Rhyolite, Flow Banded
RHLH	Rhyolite, Lahar
RHLT	Rhyolite, Lapilli Tuff
RHTF	Rhyolite, Tuffite
RHVB	Rhyolite, Volcanic Breccia
RHWT	Rhyolite, Welded Tuff

Dip measurements (flow banding, contacts, bedding)
Contact



0 100 200 300 400
METRES

LOCATION OF THIS CROSS-SECTION

XL	YL	XR	YR
2930.	4755.	3320.	4645.

WIDTH	ZT	ZB
50.	1038.	811.

LOOKING NE

DIRECTORY: /EQUITY_0D/USR/GL-DDH/RHUB
DATA FILE: GL-RHUB.

ASSAY CUTOFF: 0.50 0.02

POSTED DATA

ASSAYS	DH	ROCK TYPE
PPM AG		PGI
PPM AU		RI

EQUITY SILVER MINES LIMITED

DRAWN	EXP
DATE	9\12\09
SCALE	1:500

CROSS SECTION 3
RHUB-BARB PROPERTY
FIGURE 7

NO. PLATE