

MAP NO.: ASSESSMENT REPORT X
105 D 16 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092951
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: TRENCHING
SAMPLING, GEOPHYSICS

REPORT FILED UNDER: LARRY CARLYLE

DATE PERFORMED: SUMMER, 1990

DATE FILED: APRIL 16, 1991

LOCATION: LAT.: 60°55'N

AREA: MT BYNG

LONG.: 134°25'W

VALUE \$: 2,800

CLAIM NAME & NO.: BM 1-47

WORK DONE BY: LARRY CARLYLE

WORK DONE FOR: LARRY CARLYLE

DATE TO GOOD STANDING:

REMARKS: TRENCHING, SOIL SAMPLING AND A VLF SURVEY WERE CARRIED OUT ON THE BM CLAIMS. SAMPLING OF MALACHITE QUARTZ-CARBONATE VEIN MATERIAL HAS RESULTED IN SPORATIC ASSAYS AS HIGH AS 126.9 G/T AU. SOIL SAMPLES HAD NOT YET BEEN SENT OFF FOR ANALYSIS AT THE TIME OF THE REPORT. STYLE OF MINERALIZATION IS BEING COMPARED TO MT NANSEN AREA MINERALIZATION.



M.R. file no.
R.M.M.R. file no.
Date forwarded 17 April 1991

TRANSMITTAL FORM

From Mining Recorder at: Whitehorse
 To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Clas. no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims <u>BM 5-47</u>	Clas. <u>105-016</u>
	Type of report <u>Geochem, GP</u>	Submitted by <u>Larry Carlyle</u>
	Clas. work performed on <u>BM 3, 4, 5, 39, 41, 44, 46</u>	\$ req. for ren. application <u>12,800.00</u>

A Southwick
Signature

REPLY ACTION

Date returned

092951

Signature

CONFIDENTIAL

092951



REPORT ON THE 1990 WORK PROGRAM

BM CLAIMS, MT. BYNG AREA

WHITEHORSE MINING DISTRICT, YUKON

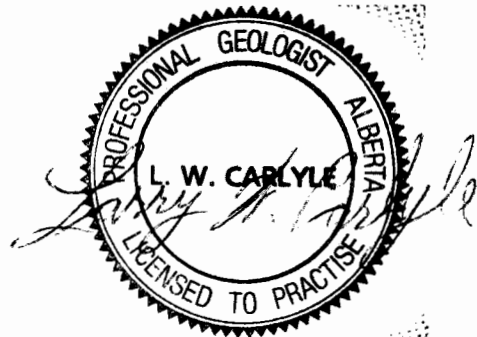
NTS 105 D - 16

by

Larry W. Carlyle, F.G.A.C.T., P. Geol.

Whitehorse, Yukon

April, 1991



This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 11,800.

R. J. Ouellette

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

TABLE OF CONTENTS

	Page
Introduction	1
Location, Access and Claims	1
History	2
Property Geology	2
<u>1990 Program</u>	
A - Scintrex VLF-EM + Magnetometer Survey	5
B - Soil Sampling	5
C - Blast Trenching	6
1990 Statement of Costs	7
Conclusions	7
Recommendations	7
Proposed Work Program	8
References	8
Statement of Qualifications	9

FIGURES

	Following Page
Location Map	1
BM Claims VLF and Soil Survey Areas	2
Geology BM Claims	3
R-17 Zone Fraser Filtered VLF Data	4
R-17 Zone Soil Grid	5
West Extension Main Zone Soil Grid	5
R-17 Zone Trenches	6
1990 Trenches Main Zone	6

TABLES

Rock Description Table	5
Mt. Byng Soil Sample Descriptions	5

APPENDICES

Appendix A -- Mount Byng Report Yukon Exploration 1990
Appendix B -- Assay Certificates
Appendix C -- Invoices Supporting Statement of Costs

INTRODUCTION

Preliminary geological mapping was done on the BM Claims by Trevor Bremner, Mineral Deposits Geologist with DIAND, during four days in July, 1989. Part of his work was to collect rock samples suitable for age dating (See Yukon Exploration 1990, pages 52 - 56).

During 1990, two trips were made to the BM Claims in the Mt. Byng area. The first trip was to consist of rock and soil sampling, blast trenching and geophysical surveys comprising of ground magnetic and VLF-EM measurements. The second trip consisted of a single day of blast trenching assisted by a gasoline powered Whacker Drill.

The object of this report is to summarize the information obtained from these property visits.

LOCATION, ACCESS AND CLAIMS

The BM Claims cover an area of ground on the north ridge of Mt. Byng on NTS Map Sheet 105 D-16. These claims came under an option agreement between the claim owners Caillyle/MacDonald and Aurora Gold Ltd. early in 1990.

In 1984, a winter road was constructed by placer miners to the headwaters of Sheldon Creek (See Location Map). An all-terrain vehicle may provide access to the property from this road.

<u>CLAIM NAME</u>	<u>GRANT NUMBERS</u>	<u>EXPIRY DATE</u>
BM 1 - 4	YA 95347 - YA 95350	April 16, 1994
BM 5 - 6	YA 97128 - YA 97129	April 16, 1991
BM 7 - 19	YB 20538 - YB 20550	April 16, 1991
BM 20 - 43	YB 21551 - YB 21574	April 16, 1991
BM 44 - 47	YB 27729 - YB 27732	July 30, 1991

HISTORY

In 1986, Carlyle and MacDonald prospected in the Mt. Byng area. They were attracted to the area by the diverse geology outlined by J.O. Wheeler in Memoir 312 (See Location Map). This prospecting resulted in the location of 6 claims covering an area of malachite and azurite-stained vuggy quartz float associated with steeply dipping rhyolite dykes.

During 1988, additional claims were staked and small programs of grid soil sampling, hand trenching and VLF-EM surveys were completed.

Work completed during 1989 and 1990 has been summarized earlier in the Introduction section.

PROPERTY GEOLOGY

The lack of 50,000 scale geological mapping in the region has left the understanding of the area at essentially the level of Wheeler's 1961 mapping. The work done by Trevor Bremner in 1989 has greatly advanced the geological knowledge of the BM Claims above this (See Figure - Geology BM Claims and Appendix A).

An abridged version of Bremner's geological description is given here but the complete paper is included as Appendix A.

BM CLAIMS
VLF and SOIL SURVEY AREAS

SCALE: 1=2000

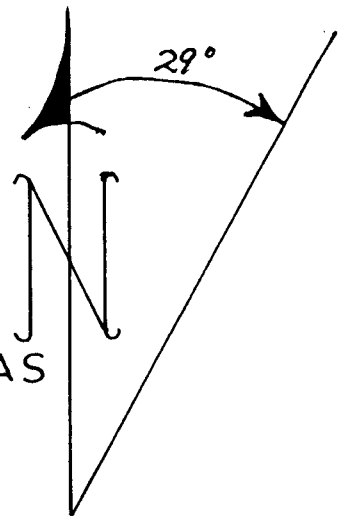
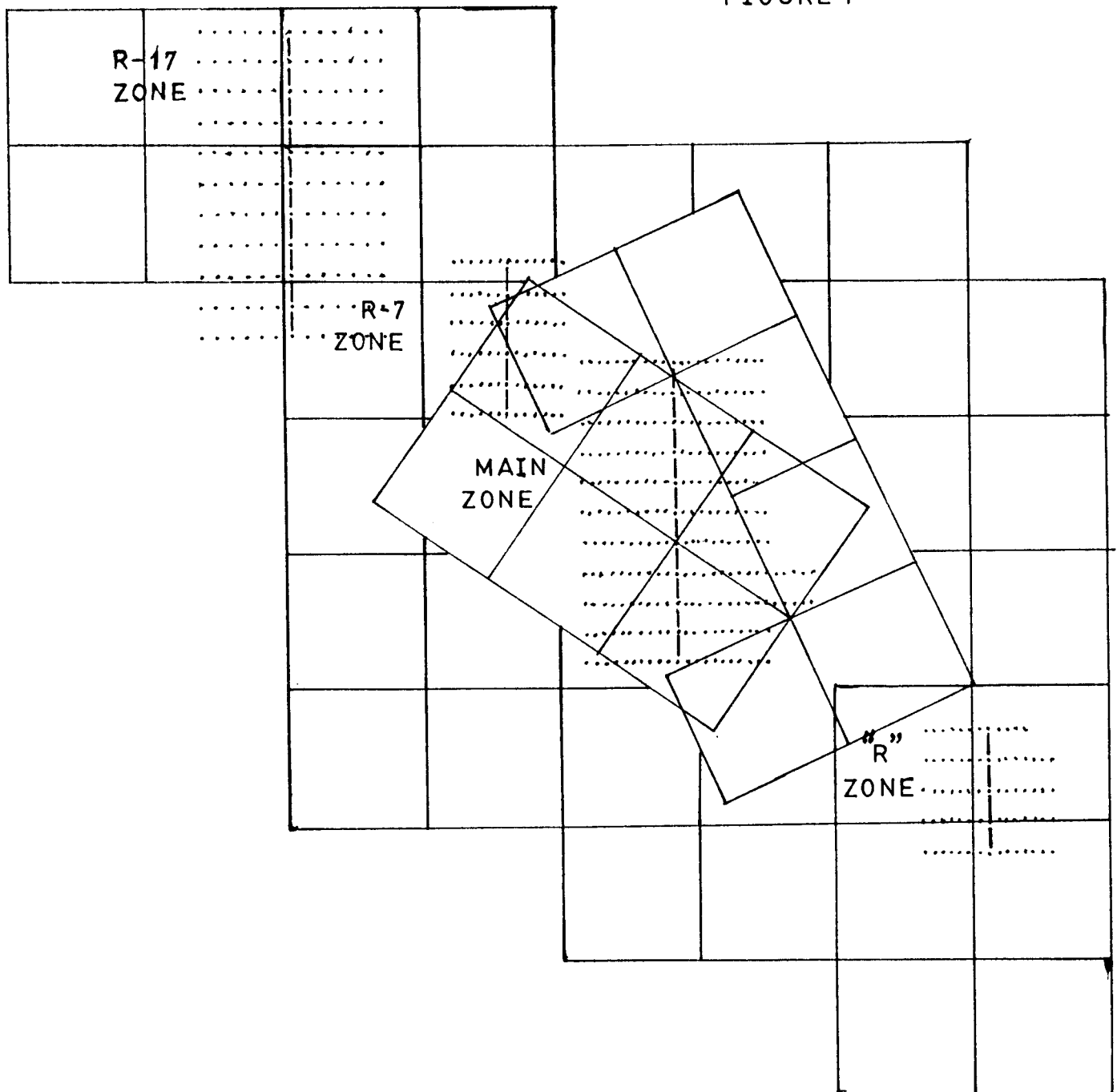


FIGURE 1

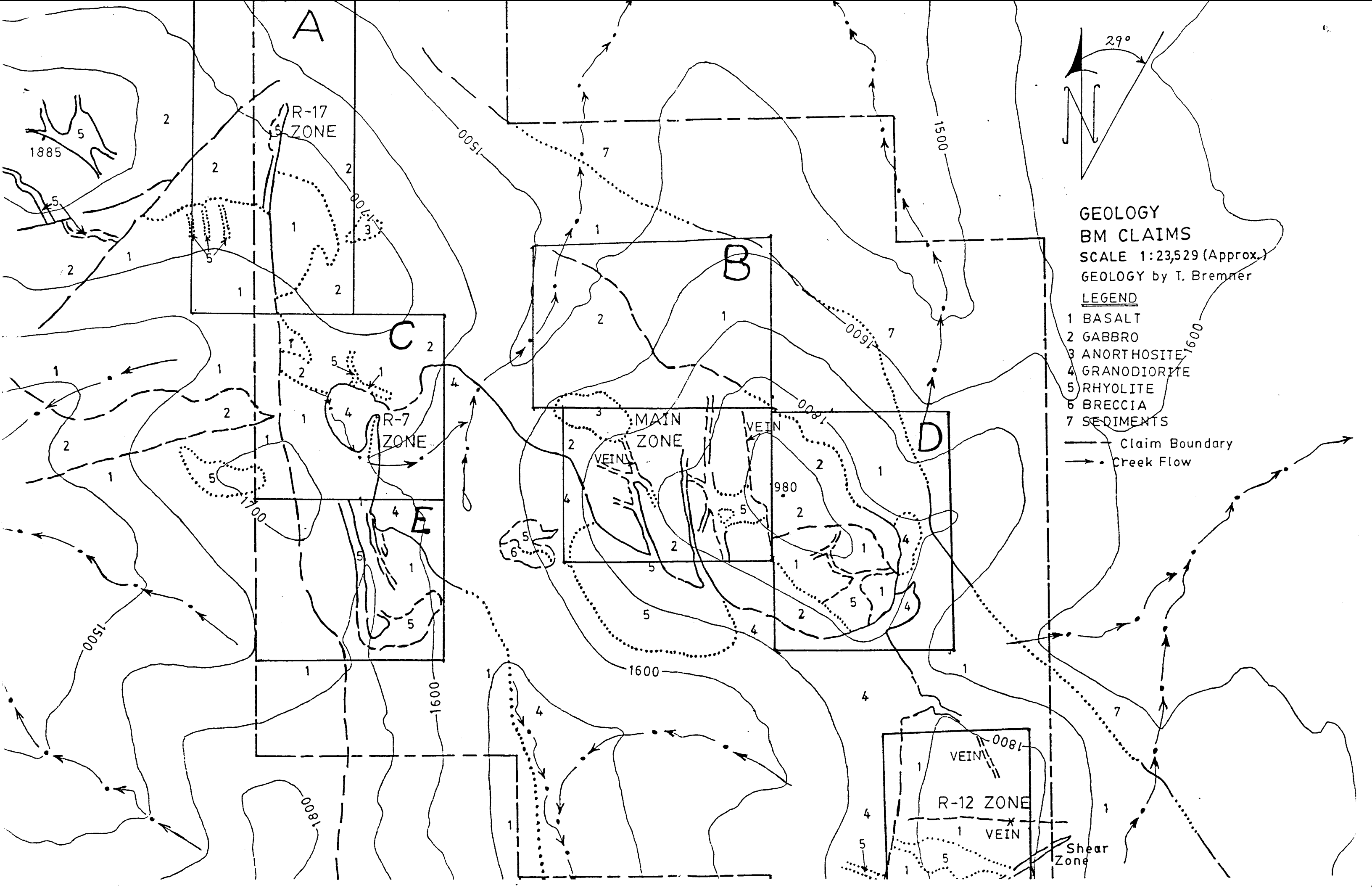


Gold mineralization occurs in brecciated and vuggy quartz-carbonate veins associated with rhyolite dykes and small stocks. The rhyolite cuts andesitic flows, gabbroic intrusions and granodiorite. Samples of the vein material have returned gold values up to 126.9 g/tonne with anomalous values in mercury, arsenic, antimony, tungsten and barium.

There are four known areas of interest on the property. In the Main Zone, there are two flat-dipping, vuggy quartz veins stained with malachite and azurite exposed in blast trenches. Both of the veins strike at approximately 160°; one of them appears to strike at a shallow angle from a 9 metre wide rhyolite dyke. Similar gossaned quartz-carbonate vein material containing elevated gold values has been found associated with strong VLF anomalies in the R-12 and R-7 Zones (See Figure - Geology BM Claims). The R-17 Zone is a north-trending fault gully at the northwest corner of the claim block. It consists of a conspicuous gossan overlying a breccia of silicified fragments up to 15 cm. across and cemented by vuggy, orange-weathering chalcedony. The writer considers this to be a silica cap; to the present, this zone has returned low gold values.

Mapping of contact relationships and inclusions, and subsequent radiometric age dating, have shown that the igneous rocks fall within two suites. A mafic gabbro-anorthosite-andesite suite and a felsic granodiorite-feldspar porphyry-rhyolite suite.

The oldest unit in the mafic suite is a chloritic, aphanitic andesite having an age of approximately 252 +/- 10 Ma (See



GEOLOGY
 BM CLAIMS
 SCALE 1:23,529 (Approx.)
 GEOLOGY by T. Bremner
LEGEND
 1 BASALT
 2 GABBRO
 3 ANORTHOSITE
 4 GRANODIORITE
 5 RHYOLITE
 6 BRECCIA
 7 SEDIMENTS
 --- Claim Boundary
 -.-.- Creek Flow

A

B

C

D

E

R-17
S. ZONE

R-7
ZONE

MAIN
ZONE
VEIN

R-12 ZONE

Shear
Zone

1885

1500

1500

1700

1600

1600

980

1600

1800

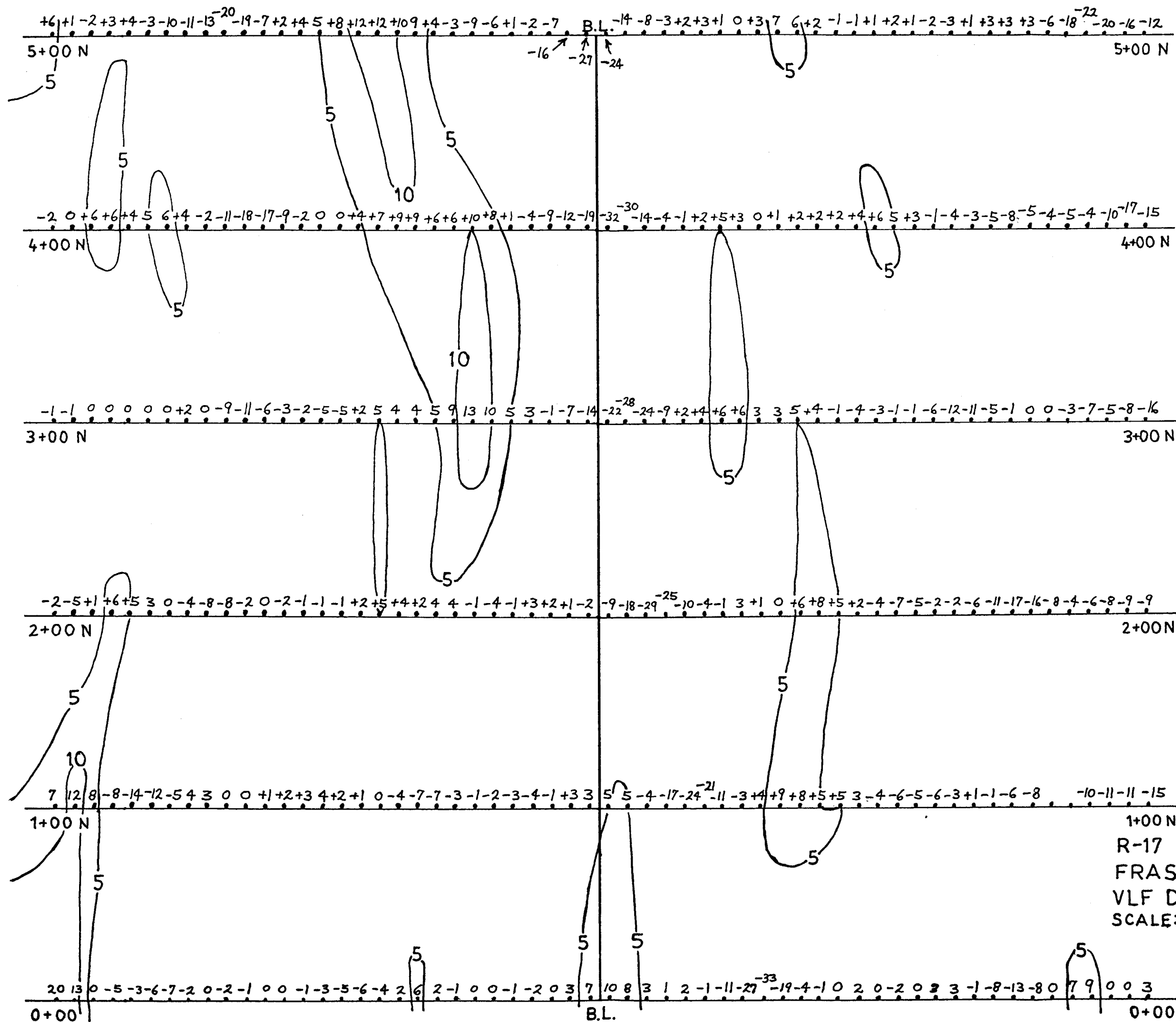
29°

Appendix A). This andesite is intruded by a coarse grained augite gabbro; this in turn, is cut by subcircular anorthosite plugs. These have been dated at 168 +/- 6 Ma by Armstrong and Gabites.

The felsic suite is younger than the mafic suite. The oldest of these units is a granodiorite to quartz-feldspar porphyry intrusion cut by rhyolite dykes and small stocks. The granodiorite has been dated at 121 +/- 5 Ma and the rhyolite at 104 +/- 4 Ma. The gold-bearing quartz veins are closely related to the rhyolite dyke controlled by nearly vertical north-trending faults. Mr. Bremner located a small diatreme of heterolithic breccia containing angular fragments of all the major rock types and welded by granodiorite porphyry.

Mr. Bremner (See Appendix A) states that the gabbro and anorthosite probably form part of the Lewes River Arc which was active during the Triassic and Jurassic. He believes that the Early Triassic age of the andesite suggests it is either a part of the Cache Creek assemblage and pre-dates the Lewes River Arc, or forms a part of the Lewes River Arc and provides evidence for activity in the Lewes River Arc as long ago as Early Triassic. He believes the latter interpretation is most probable since the volcanic rocks are andesitic rather than basaltic.

He also indicates that the Lower Cretaceous age of the granodiorite and rhyolite are comparable in age to the rocks in the Mt. Nansen area, 200 km. to the northwest.



R-17 ZONE
FRASER FILTERED
VLF DATA
SCALE: 1:2000

1990 WORK PROGRAM

A. SCINTREX VLF-EM + MAGNETOMETER SURVEY

The main portion of the 1990 program was to consist of magnetic surveys over areas covered by earlier VLF-EM surveys to see if the magnetic responses correlated. The R-17 Zone was to receive both magnetic and VLF-EM surveys. The planned work areas with priorities are marked with letter designations on the figure of BM Claim Geology included. A malfunction of the generator taken into the property to recharge the instrument batteries forced the cancelling of most of these surveys. A small VLF-EM and magnetometer survey was done over part of the R-17 Zone with the electrical charge left in one battery. Unfortunately, the magnetometer data was lost before it could be transferred to computer disk. The VLF data has survived (See Figure R-17 Zone Fraser Filtered VLF Data). This data indicates at least two north trending structures in the area.

B. SOIL SAMPLING

With the failure of the generator, it was decided to do a larger than originally planned grid soil sampling program. Part of the program over the R-17 Zone had been anticipated, to prevent contamination expected from the blast trenching which was to follow. This program was expanded and a small grid extended the Main Zone soil survey over the R-7 Zone (See Figures). A total of 176 soil samples were obtained. Assaying of these samples has not yet been done. See enclosed Sample Description Tables.

ROCK DESCRIPTION TABLE

SAMPLE #	DESCRIPTION	Au(opt)	Ag(opt)
Main Zone	Vuggy quartz vein material	0.213	4.8
MZ - 2	Vuggy quartz vein breccia	0.292	0.257
MZ - 3	Malachite stained rhyolite	0.014	0.048
R12 - 1	Andesite breccia in qtz-carb	0.001	0.002
R - 17	Rhyolite breccia in chalcedony	<0.001	0.002
128176	Qtz-carb V.M. - 35° vein	0.02	
128177	Malachite stained qtz-rhy	0.006	
128178	Vuggy qtz V.M. strong malachite staining	0.007	
128179	Malachite stained qtz-rhy	0.537	
128180	Tr pyrite in calcite-rich gabbro	<0.001	
128181	Weakly malachite stained vuggy quartz V.M.	3.704	
128182	Vuggy qtz stockwork	0.005	
128183	Grab of fines from T#1 R-17 Zone	0.001	
128184	Grab of fines from T#2 R-17 Zone	<0.001	
128185	Rock Grab from T#4 R-17 Zone Tr Pyrite	<0.001	

Mt Byng Soil Samples

Page 1 of 7
July 15 to 25/90

Line	Station	Depth	Horizon	Slope	Description	Comments
		<u>Main</u>	<u>Zone</u>			
2+00N	35W	7"	A+B	45°W	Gry-Brn C+Org V. Lrg Rx.	
	40W	4"	B.	30°W	Blk C+Rx	Frost Boil
	45W	5"	B	20°W	DK Brn C+Rx	
	50W	4"	B	20°NW	DK Brn C+S Lrg Rx	Frost Boil Solufluction
	55W	8"	B	5°NW	Brn C+S Lrg Rx	
	60W	9"	B	50°W	Brn S+C+Org.	
	65W	6"	A+B	Flat	Brn C+S+Org.	East edge of gully
	70W	6"	B+A	50°E	Brn C+S+Org.	10m up West side of gully
	75W	7"	B	50°E	Brn C+S Lrg Rx	
3+00N	25W	5"	A+B	40°NW	Brn C+Org	Base of Talus
	30W	3"	B	45°NW	Soluflucted fines from Talus & Seep.	
	35W	4"	B	50°NW	Talus fines DK. Brn C+S V. Lrg Rx	
	40W	4"	B	55°NW	Soluflucted Brn C+S fines from Talus	
	45W			55°NW	Brn S+C Talus fines	
	50W			55-60°NW	Brn C+S Talus fines	
	55W	4"	B	50°NW	Brn-Grn C+S Lrg Rx	Talus Slope
	60W	6"	B	45°W	Brn C+S Lrg Rx	Slope into gully.
	65W	4"	B+A	5°E	Brn C+Org.	20m West of Creek.
	70W	7"	A	60°E	Lt. Brn C+Org.	
	75W	7"	B	55°E	DK Brn C+S	
	4+00N	35W	7"	A+B	55°NW	Brn C, Lrg Rx+Org.
40W			A	45°W	Brn C+Org Talus fines	
45W		8"	A	35°NW	DK. Brn C+Org in Talus	
50W		8"	A+B		Brn C, Rx+Org	East edge of gully
55W		5"	A	50°E	Blk C+Org.	15m up hillside
65W		6"	A	60°E	Brn C+Org, Lrg Rx	Line over R-7 @ 630m

Line	Station	Depth	Horizon	Slope	Description	Comments	
5+00N	35W	7"	A+B	50°W	DK Brn C+Org. Rx		
	40W	7"	A+B	Flat to 5°N	Brn C+Org Rx	Middle of Gully	
	45W	6"	B	5°E	Brn C+S Rx	West edge of Gully	
	50W	5"	A+B	55°E	Brn C+Org. V. Lrg Rx.		
6+00N	35W	7"	A+B	5°N	Lt. Brn S+C +Org	In Gully	
	40W	5"	A	10°E	Blk Org V. Lrg Rx	West Gully Slope	
	45W	5"	B	60°N	Brn S+C	Edge of east flowing trib.	
	50W	7"	B	60°N	Gry-Brn C+S	running into Main Gully	
	R-17	Zone	(Hot spring Deposit [?])				
0+00	30W	7"	B	30°SW	Gry-Brn C+Rx		
	25W	6"	B	40°SW	Lt. Brn C+Rx		
	20W	5"	A	40°SW	DK Brn-Blk C+Org		
	15W	8"	A	30°SW	Blk Org Soil V. Lrg Rx.		
	10W	4"	B	15°SW	Brn S+C	Frost Boil	
	5W	6"	B	10°SW	DK Brn C+Rx		
	B.L.	4"	B	10°S	Brn C+Rx		
	5E	8"	B	Mod. Steep	Brn S		
	10E	8"	B	Steep	Brn Silt		
	15E	8"	B	Steep	Brn Silt		
	20E	12"	B	Moderate	Brn Silt		
	25E	6"	B	Steep	Brn Silt		
	30E	6"	B	Steep	Brn S+C		
	1+00N	30W	7"	A+B	30°S	DK Blk Org+C Lrg Rx	
		25W	8"	A	30°S	Blk Org+Soil	
20W		8"	A	15°SW	DK Brn C+Blk C+Org		
15W		7"	B	15°SW	DK Brn C+Rx		
10W		7"	B	15°SW	DK Brn C.		
5W		10"	B	10°SW	Gry-Brn C V. Lrg Rx		
B.L.		7"	B	15°SW	Gry-Brn C Lrg Rx		

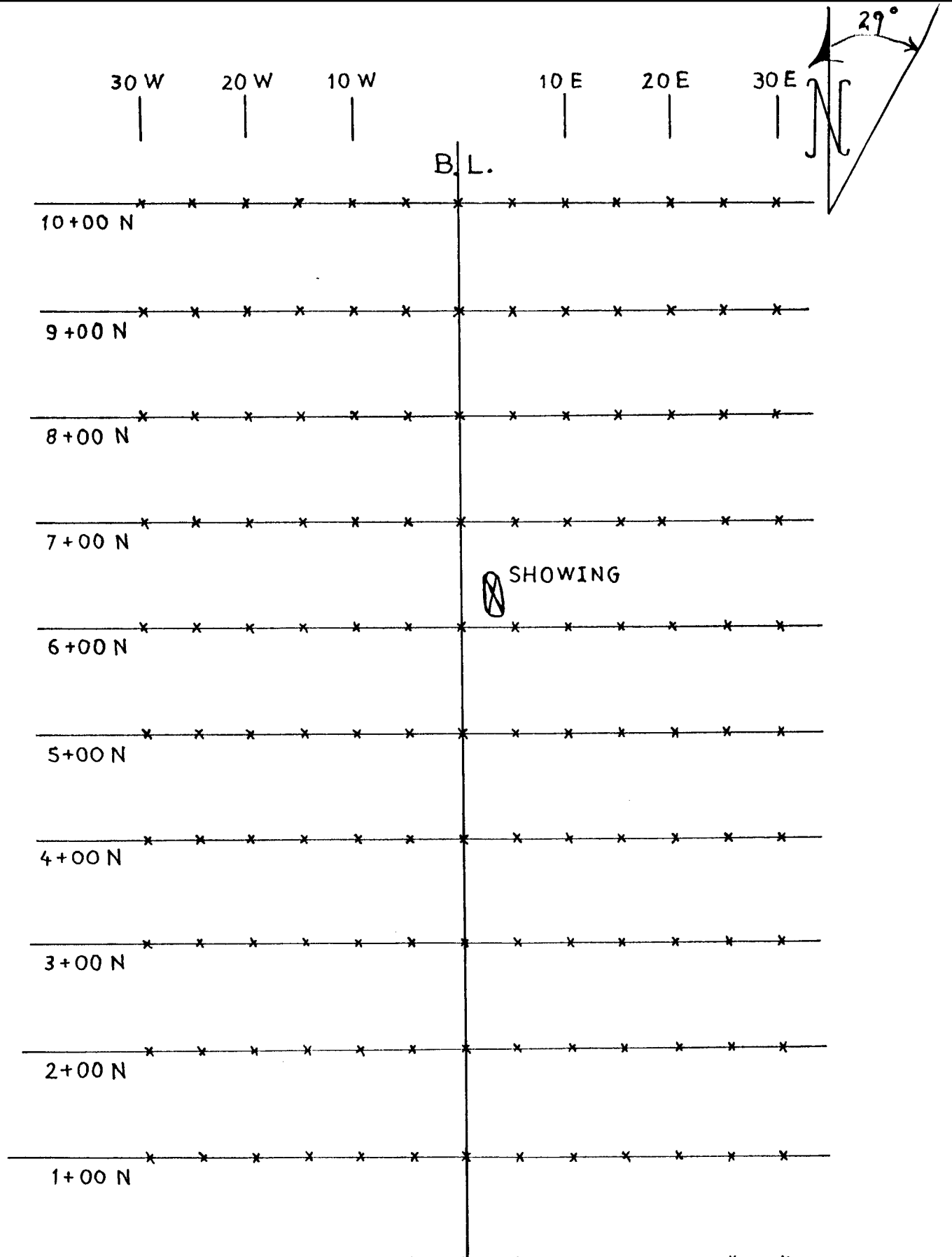
Line	Station	Depth	Horizon	Slope	Description	Comments
1+00N	5E	8"	B	Steep	Brn S+C	
	10E	10"	B	Steep	Brn Silt+Gravel	
	15E	8"	B	Moderate	Brn C	
	20E	6"	B	Moderate	Brn S+C	
	25E	4"	B	Gentle	Brn S+C	
	30E	6"	B	Gentle	Brn S+C	
2+00N	30W	7"	A+B	30°S	Brn C+Org Lrg Rx	
	25W	7"	B	25°S	DK Brn C Rx	
	20W	6"	B	25°S	Brn C+Gravel	
	15W	6"	B	25°S	Brn C+S Rx	
	10W	7"	B+A	25°S	Brn C+Org Lrg Rx	
	5W	7"	B	20°S	Gry C Lrg Rx	
	B.L.	5"	B+A	25°S	DK Brn C+Org Rx	
	5E	6"	B	Moderate	Brn C	
	10E	5"	B	Steep	Ylw Brn S+C	10 m from ridge top
	15E	4"	B	Moderate	Brn C	
	20E	5"	B	Gentle	Brn S+Silt	
3+00N	25E	8"	B	Mod Gentle	Brn S	
	30E	6"	B	Mod Gentle	Brn Silt	
	30W	5"	A	25°S	DK Brn Org+C	
	25W	7"	B	25°S	Gry C+Rx	
	20W	6"	B	15°S	Brn C+Rx	
	15W	6"	B	5°S	Brn C Rx	
	10W	5"	B	5°S	Brn C+Rx	Frost Boil
	5W	6"	A	10°S	DK Brn-Rk Org Lrg Rx	
	B.L.	6"	B	5°S	DK Brn C Rx	
	5E	8"	B	Gentle	Brn S	
	10E	8"	B	Gentle	Brn C	
	15E	6"	B	Flat	Brn S+C	

Line	Station	Depth	Horizon	Slope	Description	Comments
3+00N	20E	10"	B	Flat	Brn Silty C	
	25E	10"	B	Flat	Ylw-Brn S+Silt	
	30E	6"	B	Moderate	Brn C	
4+00N	30W	7"	A+B	20°S	Gravel + Org	
	25W	7"	A+B	15°S	DK Brn C+Org,	
	20W	8"	B	20°S	Brn C+Rx	
	15W	6"	A+B	20°S	DK Brn C+Org Lrg Rx	Edge of slope
	10W	6"	A+B	15°S	DK Brn C+Org Rx	
	5W	7"	A+B	5°S	Blk-DK Brn C in Talus	
	B.L.	6"	B	Flat	Brn C+Rx	Frost Boil
	5E	6"	B	Gentle	Brn C	Frost Boil
	10E	6"	B	Flat	Brn S+C	Frost Boil
	15E	8"	B	Flat	Red-Brn S+Silt	Frost Boil
	20E	6"	B	Gentle	Brn C	Frost Boil
	25E	6"	B	steep	Brn C	Frost Boil
	30E	8"	B	steep	Brn C	
5+00N	30W	6"	A+B	5°S	DK Brn C+Org	
	25W	7"	A+B	Flat	Blk Soil+C Lrg Rx	
	20W	6"	A+B	Flat	DK Brn C+Org Rx	
	15W	6"	B	Flat	DK Brn C+Rx	
	10W	7"	A	Flat	DK Brn C+Org	
	5W	4"	B	Flat	DK Brn C Rx	Frost Boil
	B.L.	3"	B	15°N	DK Brn C Rx	In gully Solifluction?
	5E	6"	B	Moderate	Brn S	
	10E	6"	B	Gentle	Brn C	
	15E	8"	B	steep	Brn C+Silt	
	20E	6"	B	steep	Brn C	
	25E	No	Sample		Talus Slope	
	30E	6"	B	steep	Brn S+C	

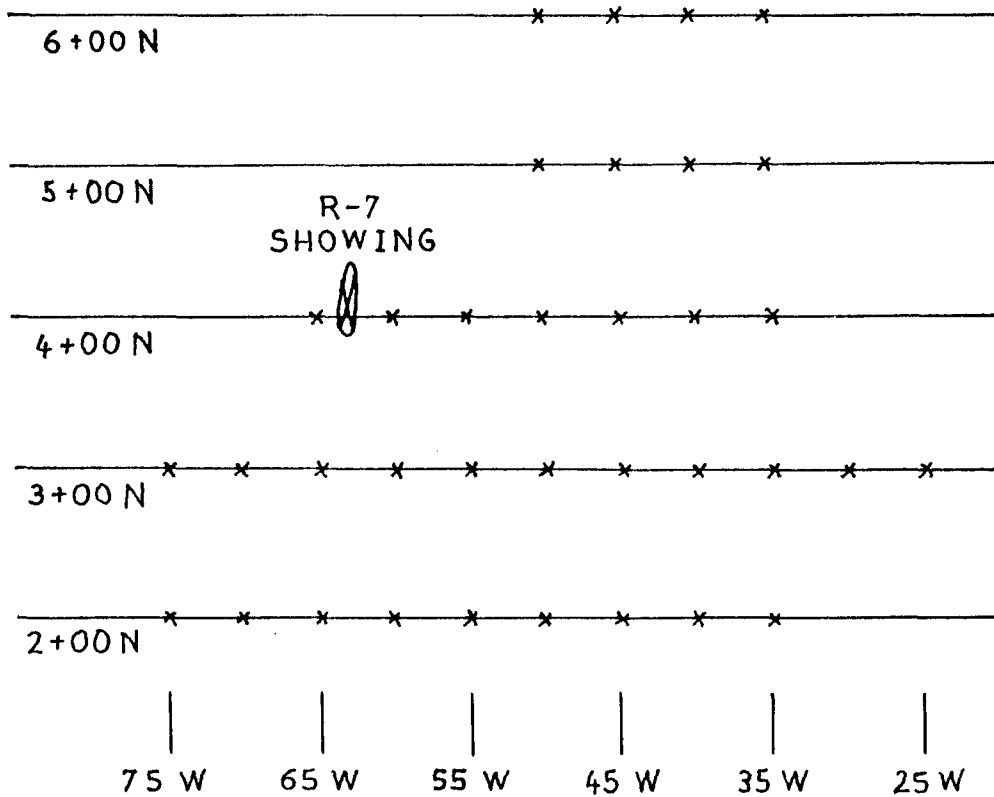
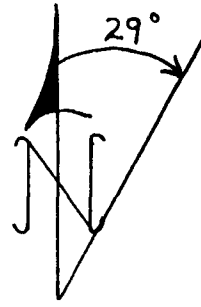
Line	Station	Depth	Horizon	Slope	Description	Comments
6+00N	30W	6"	A+B	Flat	DK Brn C+Org Lrg Rx	
	25W	4"	B	Flat	DK Brn - Gry C Rx	Frost Boil
	20W	4"	B	Flat	Lt. Brn C Rx	Frost Boil
	15W	4"	B	Flat	Brn C Rx	Frost Boil
	10W	5"	B	Flat	Brn C Rx	Frost Boil
	5W	6"	B	—	Brn C Rx	Edge of steep ^{over} NE slope
	B.L.	5"	B(?)	—	DK BIK C+S	Edge of steep east slope showing Solufluction in Talus Just uphill from showing in Gully
	5E	4"	B	steep	Brn S	
	10E	4"	B	Mod. steep	Brn S	
	15E	8"	B	steep	Ylw-Brn S+C	
	20E	10"	B	steep	Brn S+C	
	25E	8"	B	steep	Brn S	
	30E	8"	B	steep	Brn S+C	
	7+00N	30W	4"	B	15° NE	Brn C+S Rx
25W		5"	B	20° E	Brn C Rx	Frost Boil
20W		6"	A	50° E	BIK C+Org Talus	Gully drains to NE
15W		5"	B	30° N	Brn S in Talus	Solufluction?
10W		7"	B	40° NE	DK Brn C Rx	Edge of slope
5W		6"	B	40° NE	Brn C Talus	Solufluction?
B.L.		6"	A+B	—	DK Brn C+Org	In gully below showing
5E		6"	B	steep	Brn S	
10E		6"	B	steep	Brn S+C	
15E		6"	B	V. steep	Brn S+C	
19E		4"	B	V. steep	Brn S+C	
25E		6"	B	steep	Brn silty C	
30E		6"	B	steep	Brn S	
8+00N		30W	6"	B	15° NE	Brn C Rx
	25W	5"	A+B	35° NE	Brn C+Org V. Lrg Rx	
	20W	5"	B	35° NE	Brn S+C Talus	Solufluction

Line	Station	Depth	Horizon	Slope	Description	Comments
8+00N	15W	6"	B+A	35°NE	Brn C+Rx	Solifluction
	10W	6"	A+B	30°NE	DK Brn C+Org Lrg Rx	
	5W	6"	B	40°NE	Brn S+C Lrg Rx	
	B.L.	5"	B	50°NE	Brn C+S Lrg Rx	
	5E	No	Sample		Snow & Ice	
	10E	6"	B	steep	Brn Silt	
	15E	10"	B	steep	Brn C	
	20E	8"	B	steep	Brn C	
	25E	8"	B	steep	Brn C	
	30E	6"	B	steep	Brn S	
	9+00N	30W	5"	A+B	40°NE	Brn C+Org Talus
25W		7"	B+A	45°NE	Brn C Rx	
20W		7"	A+B	40°NE	Blk-Brn C+Org. V. Lrg Rx	
15W		6"	B	45°NE	Brn C Rx	
10W		4"	B	45°NE	Brn C Rx	Frost Boil
5W		8"	B	40°NE	Brn C Rx	
B.L.		6"	B	35°NE	Brn C Rx	
5E		6"	B	steep	Brn Silt	
10E		6"	B	steep	Brn S	
15E		10"	B	steep	Brn S	
20E		8"	B	steep	Brn S+C	
25E		4"	A+B	steep	Blk-Brn C, Silt & Loam	
30E		8"	B	steep	Brn C	
10+00N		30W	7"	B+A	40°NE	Brn C+Org Lrg Rx
	25W	6"	B	40°NE	Brn C Rx	Solifluction?
	20W	8"	A	40°NE	Blk C+Org V. Lrg Rx	
	15W	8"	A	35°NE	Blk C+Org. V. Lrg Rx	
	10W	6"	B+A	40°NE	Brn C+Org Rx	Frost Boil
	5W	4"	B	40°NE	Brn C Rx	Frost Boil

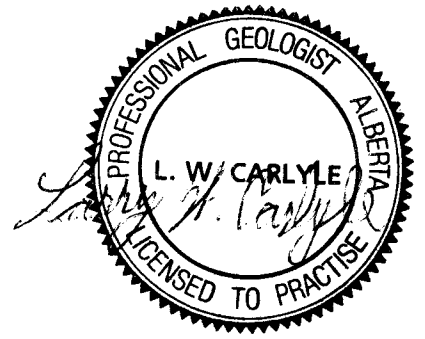
Line	Station	Depth	Horizon	Slope	Description	Comments
10+00N	B.L.	10"	A	Steep	Beige loam	
	5E	6"	B	Steep	Brn Silt	
	10E	6"	B	Mod. Steep	Brn C	
	15E	6"	B	Moderate	Brn S	
	20E	12"	B	Mod. Steep	Ylw-Brn Silty C	
	25E	6"	B	Moderate	Brn Silt	
	30E	8"	B	Moderate	Brn S & C	



R-17 ZONE
 SOIL GRID
 ELEMENT _____
 SCALE 1:5000



WEST EXTENSION
 MAIN ZONE
 SOIL GRID
 ELEMENT _____
 SCALE 1:5000



C. BLAST TRENCHING

Blast trenching was done on both the Main Zone and the R-17 Zone. The trenches excavated in 1990 are located on the Figures 1990 Trenches Main Zone and R-17 Zone Trenches. Trench T#6 in the Main Zone was blasted on October 1, 1990 with the aid of the Whacker Drill.

MAIN ZONE TRENCH VOLUMES

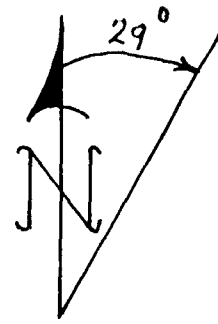
Trench	Length(ft)	Width(ft)	Depth(ft)	Cubic Feet	Cubic Yards
T#1	20.0	6.5	3.5	455.0	16.9
T#2	11.5	6.5	3.5	261.6	9.7
T#3	11.5	6.5	3.5	261.6	9.7
T#4	1.6	1.6	1.6	4.1	0.2
T#5	3.5	3.5	1.6	19.6	0.7
T#6	19.7	13.1	3.5	903.3	33.5
				Total	70.7

R-17 ZONE TRENCH VOLUMES

Trench	Length(ft)	Width(ft)	Depth(ft)	Cubic Feet	Cubic Yards
T#1	14.0	4.0	4.0	224.0	8.3
T#2	10.0	8.0	3.0	240.0	8.9
T#2	10.0	10.0	2.0	200.0	7.4
T#3	8.0	10.0	3.5	280.0	10.4
T#3	12.0	5.0	2.0	120.0	4.5
T#4	4.9	4.9	3.5	84.0	3.1
T#4	10.0	2.0	2.0	40.0	1.5
				Total	44.1

The low volumes excavated (114.3 yds³), even with the benefit of explosives, shows how important the drill is to blast trenching in this area. In a single day, 33.5 yds³(29.2% of the total) were excavated from a single trench. Several rock samples were taken as miscellaneous grab samples and grab samples from the trenches.

B | L



7+00 N

T#1

T#2

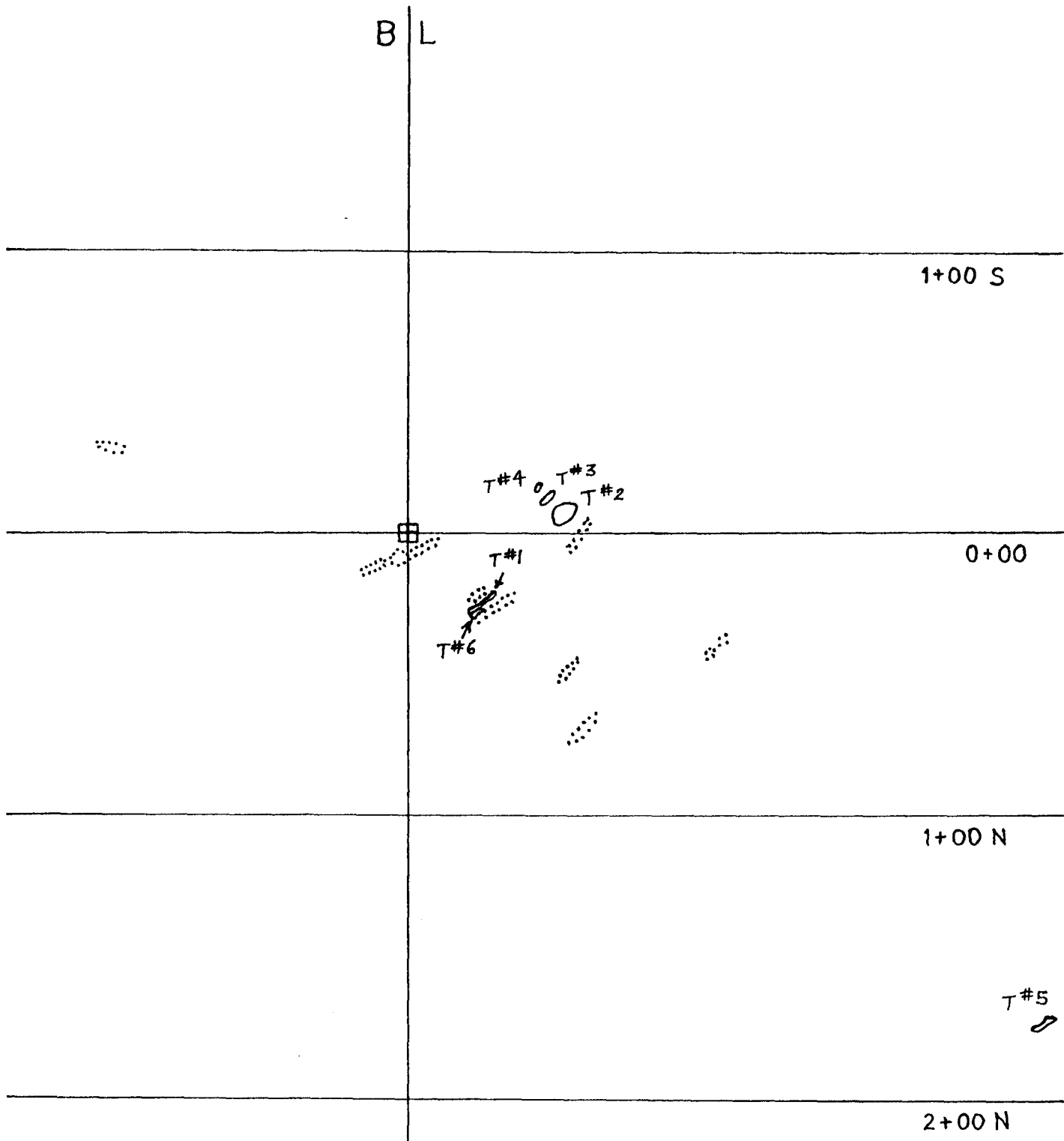
T#3

T#4
Original Showing

6+00 N

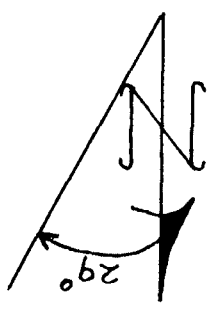
B | L

R-17 ZONE
TRENCHES
SCALE 1:1000



1990 TRENCHES
 MAIN ZONE
 SCALE 1:2000

⋯⋯⋯ EARLIER TRENCHES
 ——— 1990 TRENCHES

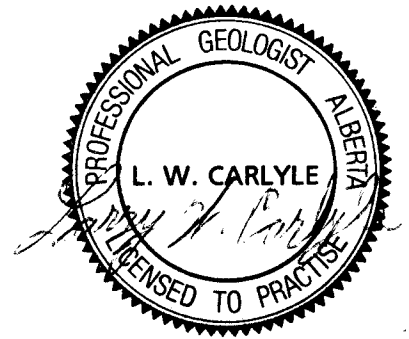


Please see enclosed Sample Descriptions and assay certificates (Appendix E).

1990 STATEMENT OF COSTS (See Appendix C for Invoices)

Labour	\$ 6,000.00
Helicopter	\$ 2,525.60
Airplane Charter	\$ 170.00
Explosives	\$ 1,311.90
Food	\$ 307.00
Geophysical Instrument Rental	\$ 2,832.33
Assaying	\$ 226.20
Whacker Drill Rental	\$ 600.00
Nolin Supervision	\$ 878.87
Miscellaneous	\$ 324.38

Total	\$ 15,176.28



CONCLUSIONS

1. Strong north-striking faults and rhyolite dykes have been located in at least four areas of this property. Flat lying vuggy quartz-carbonate veins with sporadic high gold values have been grab sampled near these dykes and faults.
2. Age dating and geological associations have shown a similarity between the area covered by the BM Claims and the Mt. Nansen area, 200 km to the northwest. It may be possible to produce a single geological model to explain the gold values in the veins at both localities.

RECOMMENDATIONS

1. It is most important to expose the veins located on this property to allow in-situ chip sampling. This may permit the continuity of the veins and the gold values to be assessed.
2. More work should be done in comparing this property with the Mt. Nansen properties.

PROPOSED WORK PROGRAM

A work program should be developed to carry out the recommendations expressed above. For the present, the cost of such a program has not been determined.

REFERENCES

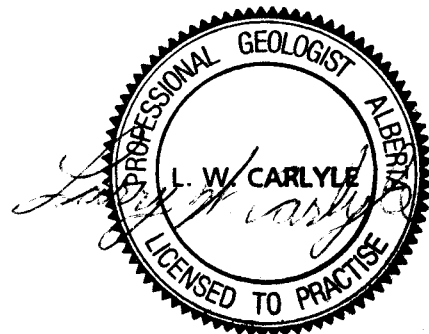
1. INAC, (1990). Yukon Exploration 1989; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, pages 21, 28 and 35.
2. INAC, (1991). Yukon Exploration 1990; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, pages 52 - 56.

STATEMENT OF QUALIFICATIONS

I, LARRY W. CARLYLE, do certify:

1. That I am a professional geologist operating a business registered as CARLYLE GEOLOGICAL SERVICES LTD. with an office at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.
2. That I hold a B. Sc. degree in geology from the University of British Columbia (1970).
3. That I am a Fellow of the Geological Association of Canada (F - 4355).
4. That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta (41097).
5. That I am a Member of the Canadian Institute of Mining and Metallurgy.
6. That I have practiced my profession as a mine and exploration geologist for sixteen years.
7. The conclusions and recommendations in the attached report are based on a review of all available private and public reports on the property and a work program carried out under my supervision on the property.
8. That the property discussed in this report is owned on a 50% - 50% basis between the writer and Mr. S. Drew MacDonald. The property has been optioned to Aurora Gold Ltd. of Calgary, Alberta.

DATED at Whitehorse, Yukon, this 16th day of April, 1991.



APPENDIX A

**MOUNT BYNG REPORT
YUKON EXPLORATION 1990**



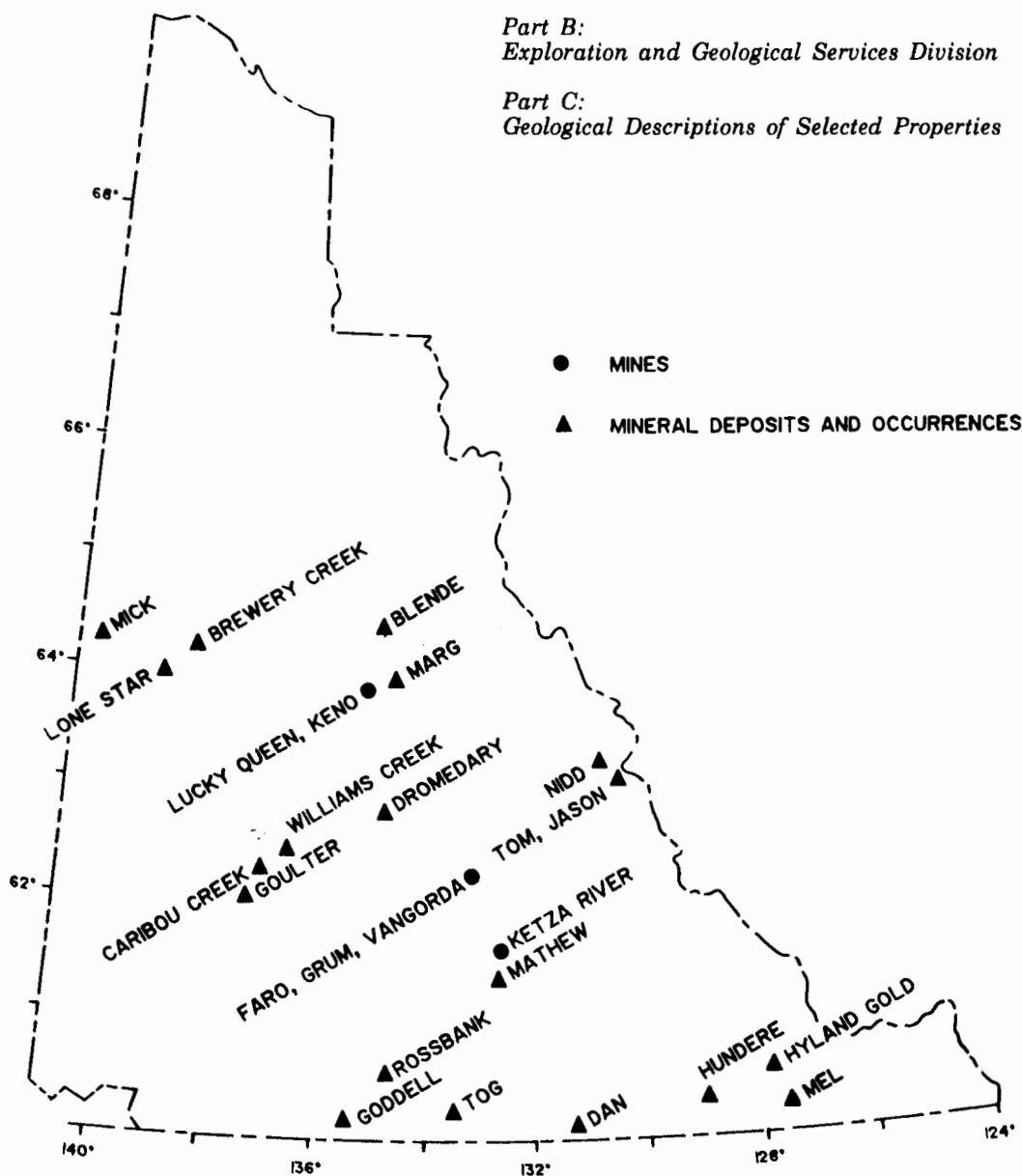
Exploration and Geological Services Division, Yukon Region

YUKON EXPLORATION 1990

Part A:
1990 Mining and Exploration Overview

Part B:
Exploration and Geological Services Division

Part C:
Geological Descriptions of Selected Properties



MOUNT BYNG

Trevor Bremner

NTS: 105 D 16

Coordinates: 60°55'N, 134°25'W

Area: Whitehorse

Access: Helicopter, winter trail to Livingstone Creek

MINFILE #: 189

Company: Carlyle Geological Services, Aurora Gold Ltd

Commodities: Au

INTRODUCTION

An interesting grassroots exploration prospect is associated with a Lower Cretaceous intrusive complex on the ridge north of Mt Byng, 50 km northeast of Whitehorse. Brecciated quartz-carbonate veins which return sporadic high gold values are associated with north-trending rhyolite dykes and small stocks.

HISTORY

In 1987, Larry Carlyle and Drew MacDonald discovered malachite and azurite-stained vuggy quartz float associated with altered rhyolite while following up several weak gold anomalies identified by a 1986 Geological Survey of Canada regional silt sampling program. Preliminary work on the property included hand trenching and a small soil grid in 1987, and VLF-EM surveys and further soil sampling in 1988. Four days of reconnaissance geological mapping were done in 1989 and further work in 1990 included soil sampling, blast trenching and VLF-EM surveys.

REGIONAL SETTING

The property covers two distinct suites of igneous rocks which intrude Upper Triassic and Jurassic sedimentary rocks on the east side of the Whitehorse Trough.

GEOLOGY AND MINERALIZATION

Gold occurs in brecciated quartz-carbonate veins associated with rhyolite dykes and small stocks which cut a thick sequence of andesite flows, gabbroic intrusions and granodiorite on the north ridge of Mt Byng (Figure 1). Samples of the vein material have returned values up to 126.9 g/t Au and also contain anomalous levels of mercury, arsenic, antimony and tungsten.

Four main areas of interest were identified by the 1987 and 1988 work. From southeast to northwest, these are designated the R12, main, R7 and R17 zones (Figure 2). The main zone showing is a vuggy, brecciated quartz-carbonate vein (Figure 3), which strikes 160° following the margin of a 9 m wide rhyolite dyke. A specimen taken from this vein in 1987 assayed 68.6 g/t Au. Similar rusty quartz-carbonate vein material containing elevated gold values has been found associated with strong VLF anomalies in the R12 and R7 zones. The R17 zone is a north-trending fault gully at the northwest corner of the claim block, where a conspicuous gossan overlies a breccia of silicified fragments up to 15 cm across, cemented by vuggy, orange-weathering chalcedony (Figures 4a,b).

Figure 1. Main showing area north of Mt Byng. Lineaments mark the location of vertical, north-trending rhyolite dykes 9-15 m wide which appear to be associated with gold-bearing quartz veins.

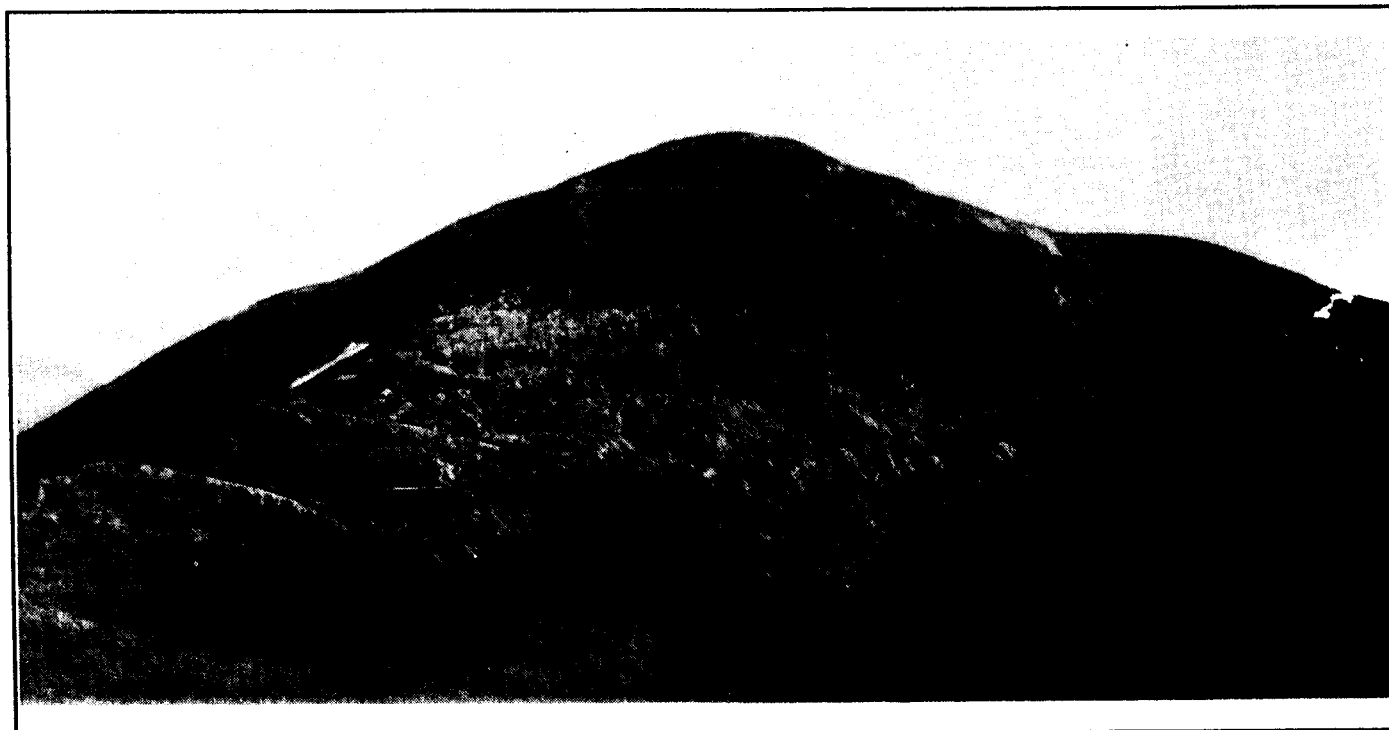


Figure 2. Geological map of the Mt Byng property. Numbers show location of samples taken for radiometric age dating.

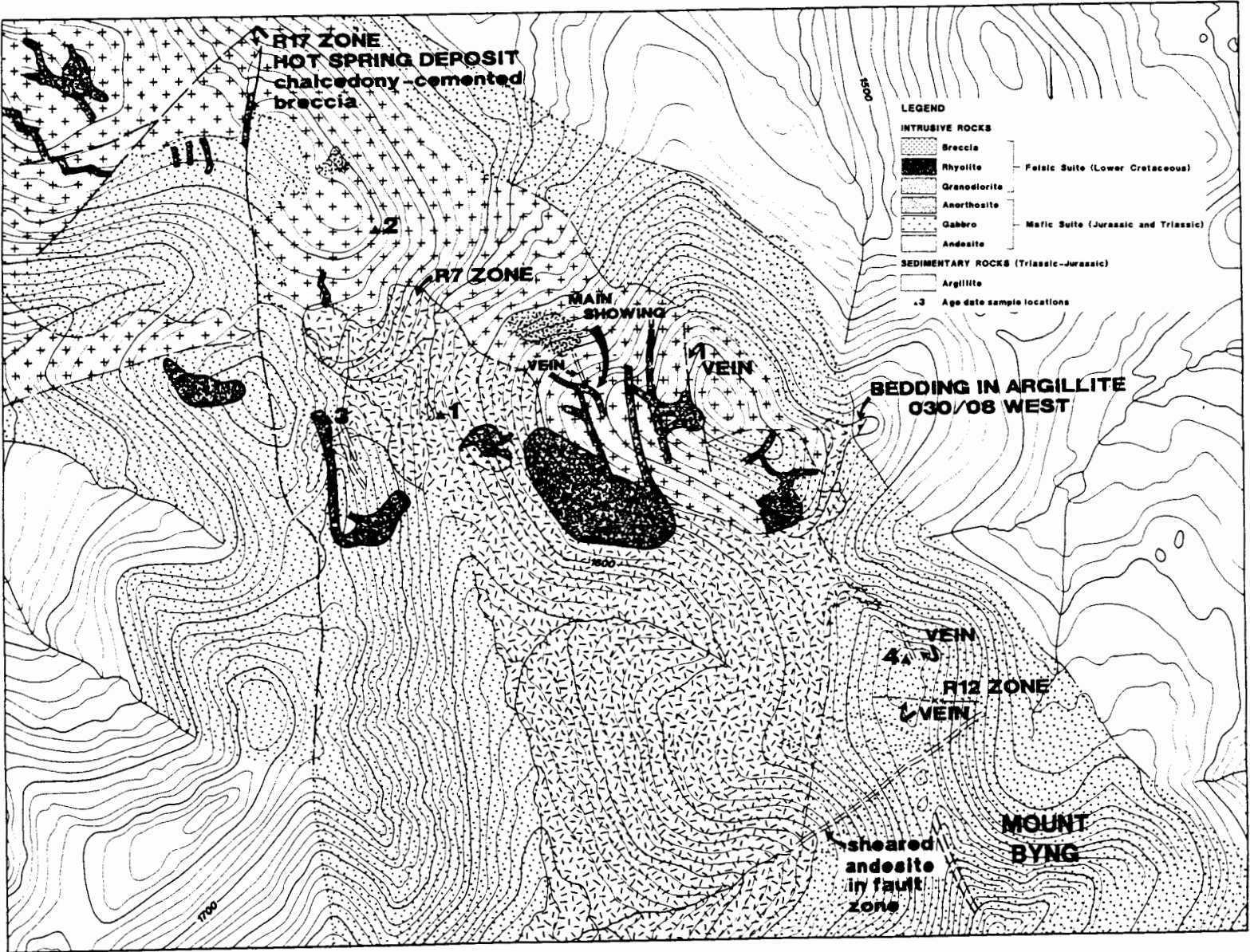


Figure 3. Rusty, quartz-calcite vein/breccia from a hand trench across the main zone. 1988 samples from this zone assayed 68.6 g/t Au.



Mapping and radiometric age dating show that igneous rocks in the Mt Byng area fall into distinct mafic and felsic suites. The oldest unit is an aphanitic andesite, which is commonly found as xenoliths in all the other units (Figures 5,6). The andesite appears greenish due to chloritic alteration, and fresh samples are difficult to obtain. A Rb/Sr whole rock age of 252 ± 10 Ma was obtained by Dr R. Armstrong and J. Gabites (University of British Columbia).

The andesite is intruded by coarse grained gabbro (Figure 6) which is cut by two subcircular anorthosite plugs. The age of the gabbro and the anorthosite is questionable, but a Armstrong and Gabites obtained a K/Ar whole rock date of 168 ± 6 Ma, with minor argon loss suspected.

A younger suite of felsic rocks consists of a large granodiorite to quartz-feldspar porphyry intrusion cut by rhyolite dykes and small stocks. Armstrong and Gabites obtained a K-Ar hornblende age of 121 ± 5 Ma for the granodiorite, and a whole rock age of 104 ± 4 Ma for the rhyolite. Gold-bearing quartz veins described above appear to be closely associated with the rhyolite. The youngest igneous phase is a small diatreme of heterolithic breccia which contains angular fragments of all of the major rock types in the area, welded by granodiorite porphyry (Figure 7).

DISCUSSION

The gabbro and anorthosite probably form part of the Lewes River Arc which was active during the Triassic and Jurassic. The Early Triassic age of the andesite suggests it is either a part of the Cache Creek assemblage and pre-dates the Lewes River Arc, or forms a part of the Lewes River Arc and provides evidence for activity in the Lewes River Arc as long ago as Early Triassic. The

latter interpretation seems most probable based on the petrographic identification of the volcanic rock as andesitic rather than basaltic.

The granodiorite and rhyolite (Lower Cretaceous) are comparable in age to felsic and intrusive and volcanic rocks in the Mt Nansen area, 200 km to the northwest.

Gold-bearing quartz veins in the area have so far been found adjacent to rhyolite dykes and appear to be structurally controlled, by vertical north-trending lineaments.

CURRENT WORK

A modest amount of work was done on the property in 1990, under an option agreement between owners Carlyle and MacDonald, and Aurora Gold Ltd. The work was confined to the Main and R-17 zones, where 176 soil samples were taken and 9 blast trenches totalling 86 cubic metres were excavated. VLF-EM surveys were also carried out across the central part of the R-17 zone. Ten rock samples taken from the 1990 trenches were assayed. Two specimens from the main zone returned values of 18.5 g/t Au and 126.9 g/t Au.

Figures 4a,b. Chalcedony breccia on trend with a rhyolite dyke in a north-trending linear gully at the R-17 zone.

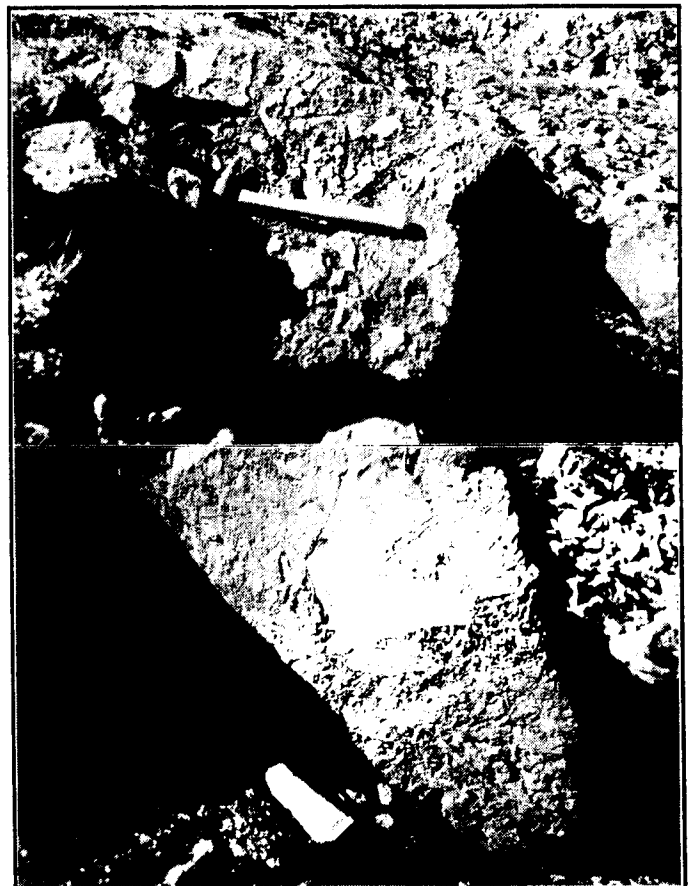


Figure 5. Fractured basalt invaded by granodiorite dykes on ridge north of Mt Byng. Basalt xenoliths occur in the granodiorite.



Figure 7. Heterolithic breccia from a small circular diatreme cutting granodiorite near the head of Byng Creek. Angular clasts include all of the major rock types in the area (basalt, gabbro, granodiorite and rhyolite) welded together by feldspar porphyry.



Figure 6. Deformed basalt xenoliths in gabbro, east flank of ridge north of Mt Byng..



ACKNOWLEDGEMENTS

T. Bremner visited the property for four days in 1989, and is grateful to Larry Carlyle for supplying hospitality and sharing his knowledge of the property. Dr Richard Armstrong and Janet Gabites (University of British Columbia) provided K/Ar and Rb/Sr dates for samples of the main igneous rock types. Grant Abbott contributed to the interpretation of the data and edited the manuscript.

REFERENCES

INAC, 1989. Yukon Exploration 1988: Exploration and Geological Services Division, Indian and Northern Affairs Canada, Whitehorse, p. 60

INAC, 1990. Yukon Exploration 1989: Exploration and Geological Services Division, Indian and Northern Affairs Canada, Whitehorse, p. 35

WHEELER, J.O., 1961. Whitehorse map-area: Geological Survey of Canada, Memoir 312

APPENDIX

Radiometric age data: Analyses by Dr R. Armstrong and J. Gabites (University of British Columbia)

Y89-18-1 Hornblende K/Ar
105D/16 **121 ± 5 Ma**

Wt % K = 0.514
Rad. Ar = 2.509×10^{-6} cm³/gm
% Atmos. Ar = 91.0

From a saddle at the head of Byng Creek, Yukon, 60°56'01" N, 134°22'33"W. Sample TJB89-18-01, collected and interpreted by T.J. Bremner. Consists of granodiorite from intrusion northeast of Mt Byng.

Y89-18-2 Whole Rock K/Ar
105D/16 **168 ± 6 Ma**

Wt % K = 0.132
Rad. Ar = 0.906×10^{-6} cm³/gm
% Atmos. Ar = 74.4

From the ridge north of Mt Byng, Yukon, 60°56'27"N, 134°22'54"W. Sample TJB89-18-02, collected and interpreted by T.J. Bremner. Consists of coarse grained pyroxene gabbro.

Y89-18-3 Whole Rock K/Ar
105D/16 **104 ± 4 Ma**

Wt % K = 2.76
Rad. Ar = 11.471×10^{-6} cm³/gm
% Atmos. Ar = 95.2

Near saddle at the head of Byng Creek, Yukon, 60°56'01" N, 134°22'33"W. Sample TJB89-18-03, collected and interpreted by T.J. Bremner. Consists of quartz-eye rhyolite from a dyke cutting andesite.

Y89-18-4 Whole Rock Rb/Sr
105D/16 **252 ± 10 Ma**

ppm Sr = 90.6
ppm Rb = 1.6
Rb/Sr = 0.017
⁸⁷Rb/⁸⁶Sr = 0.050
corrected ⁸⁷Sr/⁸⁶Sr = 0.70463

From the north ridge of Mt Byng, Yukon, 60°55'37"N, 134°20'44"W. Sample TJB89-18-04, collected and interpreted by T.J. Bremner. Consists of aphanitic andesite, with a greenish cast due to chlorite alteration of hornblende. Contact relationships show it is the oldest rock type in the area. A K/Ar age of 143 ± 5 Ma from the same sample is unreasonable as it is clearly older than sample Y89-18-2. Moderate argon loss was reported with the K/Ar analysis.

APPENDIX B

ASSAY CERTIFICATES

4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3
PHONE: (403) 250-1901

P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

01-AUG-90

PAGE: 1 OF 1

COPY: 2 OF 2

AUTHORITY: GARY NOLIN

AURORA GOLD INC.
2000, 144 - 4 AVENUE S.W.
CALGARY, ALBERTA T2P 0Z1

WORK ORDER: 7110D-90

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

S A M P L E N U M B E R	FIRE ASSAY	FIRE ASSAY
	AU	AG
	OZ/TON	OZ/TON
MZ-2	0.292	0.257
MZ-3	0.014	0.048
R12-1	0.001	0.002
R-17	<0.001	0.002
MAIN ZONE	0.213	4.8

SIGNED: _____

C. Douglas Read
C. Douglas Read,
LABORATORY MANAGER

FOOTNOTES:

P=QUESTIONABLE PRECISION; * = INTERFERENCE; TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

BARRINGER

Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3
PHONE: (403) 250-1901

AUTHORITY: L. CARLYLE

CARLYLE GEOLOGICAL SERV.

74 TAMARACK DRIVE
WHITEHORSE, YUKON

ATTN: L.W. CARLYLE

BARRINGER

Laboratories (NWT) Ltd.

P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

15-AUG-90

PAGE: 1 OF 1

COPY: 3 OF 3

C O P Y

PROJECT: MT. BYNG

WORK ORDER: 7128D-90

★PRELIMINARY REPORT★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

**FIRE ASSAY
AU**

S A M P L E N U M B E R	OZ/TON
128176	0.02
128177	0.006
128178	0.007
128179	0.537
128180	<0.001
128181	3.704
128182	0.005
128183	0.001
128184	<0.001
128185	<0.001

SIGNED: _____

C. Douglas Read
C. Douglas Read,
LABORATORY MANAGER

ORIGINAL TO:
AURORA GOLD INC.
CALGARY, ALBERTA T2P 0Z1
G. NOLIN

FOOTNOTES:

P=QUESTIONABLE PRECISION; *=INTERFERENCE; TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

ADVANCED TECHNIQUES AND INSTRUMENTATION FOR THE EARTH SCIENCES

APPENDIX C

**INVOICES SUPPORTING
STATEMENT OF COSTS**

CORLEY GEOLOGICAL SERVICES LTD.

74 TAMARACK DRIVE
WHITEHORSE, YUKON
VIA 4Y8

INVOICE

088296

DATE August 13 1990

ORDER NUMBER

REPRESENTATIVE

TERMS

F.O.B.

SOLD TO Aurora Gold Ltd.
2100, 144 - 4th Avenue S.W.
SHIP TO Calgary, Alberta T2P 3N4
ADDRESS VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Re: Mt. Byng (Corley-MacDonald) Option		
	2 men for 11 days @ \$450.00/day		4950 00
	Food		257 00
	Field Supplies		152 33
	Helicopter		1482 60
	Airplane Charter		170 00
	Explosives		1311 90
	Sample Shipment		97 95
	Total:		8421 78
	Minus: Advance Received		2500 00
	Please Pay		5921 78

REFORM 7/83

CORLEY GEOLOGICAL SERVICES LTD.

74 TAMARACK DRIVE
WHITEHORSE, YUKON
VIA 4Y8

INVOICE

088299

DATE October 25 1990

ORDER NUMBER

REPRESENTATIVE

TERMS

F.O.B.

SOLD TO Aurora Gold Ltd.
2100, 144 - 4th Avenue S.W.
SHIP TO Calgary, Alberta T2P 3N4
ADDRESS VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Re: Mt. Byng Trip October 1/90		
	2 men for 1 day		450 00
	Helicopter		1043 00
	Food		50 00
	Please Pay		1543 00

CARLYLE GEOLOGICAL SERVICES LTD.
 74 TAMARACK DRIVE
 WHITEHORSE, YUKON
 Y1A 4Y8

INVOICE

079358

DATE April 16/91

ORDER NUMBER

REPRESENTATIVE

TERMS Net 30

F.O.B.

SOLD TO Aurora Gold Ltd.
 2100, 144-4th Avenue S.W.
 SHIP TO Calgary, Alberta T2P 3N4
 ADDRESS VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Re: Mt. Byng Option		
2	days Assessment Report Preparation	300.00	600.00
	Office Supplies + Copying		30.00
			630.00
	G.S.T. (7%)		44.10
	Please Pay		674.10
	GST: R 100818137		

Let's Talk Travel Ltd.

SUITE NO. 110 - 112 - 4th AVE. S.W., CALGARY, ALBERTA T2P 0H3
TELEPHONE (403) 266-0677 FAX (403) 266-6532

Specialists in All Types of Travel

7 days from date of invoice.
Interest at 1% per month (21%
per annum) charged on past due
accounts.

SALES PERSON: 42
CUSTOMER NBR: 011140

ITINERARY/INVOICE NO. 0087771
RGGQFO

DATE: 23 JUL 90
PAGE: 01

TO: AURORA GOLD LTD
2100 144 4TH AVE SW
CALGARY ALBERTA
T2P 3N4

Plouffe

FOR: NOLIN/GARY MR

REF: 1140

24 JUL 90 - TUESDAY

AIR	CANADIAN AIRLINES	FLT: 669	BUSINESS	LUNCH
	LV CALGARY INTL		1130A	EQP: BOEING 737
	AR VANCOUVER	BC	1150A	NON-STOP
AIR	CANADIAN AIRLINES	FLT: 582	COACH	LUNCH
	LV VANCOUVER	BC	115P	EQP: BOEING 737
	AR WHITEHORSE	Y T	455P	1-STOP
HOTEL	WHITEHORSE	Y T	3 NIGHTS	OUT-27JUL
	WHITEHORSE CENTER INN		1 ROOM	SINGLE WITH BATH
	206 JARVIS ST			RATE-50.00 PER NIGHT
	WHITEHORSE YUKON Y1A1K1			GUARANTEED LATE ARRIVAL
	FONE 403-668-4567			CONFIRMATION JJ
CAR	WHITEHORSE	Y T	BUDGET RENT A CAR	1-SPCL 4WD AUTO
	PICK UP-CP582			
	RETURN-27JUL			
	RATE-66.00			
	CONFIRMATION NUMBER	BILL		
	RATE IS SUBJ TO CHG			

27 JUL 90 - FRIDAY

AIR	CANADIAN AIRLINES	FLT: 583	COACH	LUNCH
	LV WHITEHORSE	Y T	1110A	EQP: BOEING 737
	AR VANCOUVER	BC	125P	NON-STOP
AIR	CANADIAN AIRLINES	FLT: 672	COACH	
	LV VANCOUVER	BC	200P	EQP: BOEING 737
	AR CALGARY INTL		415P	NON-STOP

AIR TICKET CP3789283141

NOLIN GARY MR

968.00

CONTINUED ON PAGE 2

Nolin
50% - Whitehorse
Upper Belt
50% Mt. Byng Project

T. HASEK ASSOCIATES LTD.

704 — 850 West Hastings Street
Vancouver, British Columbia
Canada V6C 1E1

Tel: (604) 684-1107
Fax: (604) 681-7480

July 23, 1990

Aurora Gold Ltd.
2000, 144 - 4th Avenue S.W.
Calgary, Alberta
T2P 0Z1

Invoice: 098

(previous invoice:046)

re: Rental of Integrated Geophysical System comprising one IGS-2/MP-4/VLF-4 c/w one MP-3 Base Station Magnetometer, Toshiba T-1600 Computer and Epson Printer

Rental Period: July 20 - 26, 1990

1 week @ \$1,600.00

\$1,600.00

Insurance @ \$6.00/day

42.00

Shipping Canadian Airlines #018-3222 5771

145.60

\$1,787.60

950.24

0011

- N.B. 1. Rentals are payable in advance.
2. 1.5% per month interest on overdue accounts.

09-107822-0

AFELI

Mt. Byng Property

Harold

MB

T. HASEK ASSOCIATES LTD.

704 — 850 West Hastings Street
Vancouver, British Columbia
Canada V6C 1E1

Tel: (604) 684-1107
Fax: (604) 681-7480

July 30, 1990

Aurora Gold Ltd.
2000, 144 - 4th Avenue S.W.
Calgary, Alberta
T2P 0Z1

950.24
0011

Invoice: 120

(previous invoice: 098)

re: Rental of Integrated Geophysical System comprising one
IGS-2/MP-4/VLF-4 c/w one MP-3 Base Station Magnetometer, Toshiba
T-1600 Computer and Epson Printer

Rental Period: July 27 - 30, 1990

pro-rated @ \$1,600.00/week	\$914.29
Return shipping charges (Canadian 018-27239332)	106.44
Insurance @ \$6.00/day	24.00
	<u>\$1,044.73</u>

09-10A623-0

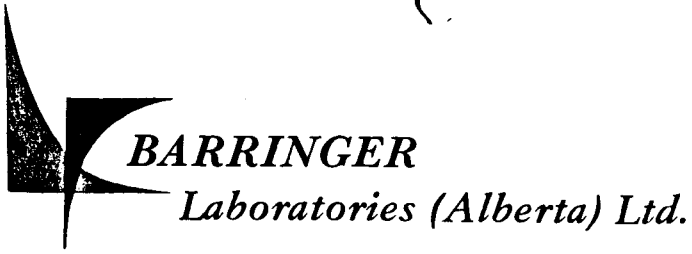
- N.B. 1. Rentals are payable in advance.
2. 1.5% per month interest on overdue accounts.
3. Equipment returned July 30, 1990.

Mr. Byng

Dary Nohr

Compare with
previous invoice

4200B - 10 STREET N.E.
CALGARY, ALBERTA T2E 6K3
PHONE: (403) 250-1901



SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: July 31, 1990

PROJECT:

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 7110-90
FED. SALES TAX: Exempt

•
• **Aurora Gold Inc.**
• 2000, 144 -4 Ave. S.W.
• Calgary, AB
• T2P 3N4

TERMS: NET 30 DAYS

AUTHORITY: G. Nolin

TO:

5 Au, Ag assays	13.50	67.5
5 Rock Sample Preparation	3.75	18.7
TOTAL AMOUNT DUE:		<u>\$ 86.2</u>

950.29

0011

mt - Byng Property
Ray Nolin

09-10 A60107-0

4200B - 10 STREET N.E.
CALGARY, ALBERTA T2E 6K3
PHONE: (403) 250-1901



BARRINGER

Laboratories (Alberta) Ltd.

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: August 30, 1990

PROJECT: Mt. Byng

PERIOD COVERED:

SALES ORDER:

PROGRESS BILLING:

SHIPPING REPORT:

WORK REPORT: 7128-90

FED. SALES TAX: Exempt

Aurora Gold Inc.
2000, 144 -4 Ave. S.W.
Calgary, AB
T2P 3N4

TERMS: NET 30 DAYS

AUTHORITY: G. Nolin

TO:

10	Rockk Sample preparation	3.75	37.50
10	Au assays	10.25	102.50
TOTAL AMOUNT DUE:			<u>\$140.0</u>

50.16 0011

Mt. Byng Project
Barringer

10- (OAGOLD-)

INVOICE 3947

NOLIN GEO ENTERPRISES LTD
P.O. BOX 6542 STATION 'D'
CALGARY ALBERTA T2P2E4

INVOICE #1000

August 20, 1990

IN ACCOUNT WITH:

Aura Gold Ltd.
#2100, 144-4th avenue S.W.
Calgary ALBERTA
T2P 4N4

950.16 23.00
950.32 50.50

Attention: Mr. C.A. Teare, President

0011

RE: Mt. Byng Property
White Horse Copper Belt Property Visit

To invoice you as follows:

Maps and Publications	\$ 23.00
Meals and PR	\$ 32.50
Parking	\$ 18.00
Total this invoice	\$ 73.50

Yours very truly,
Nolin Geo Enterprises Ltd.

Gary A. Nolin
Gary A. Nolin P. Geol.
President

No403\$Au

ACCT# 09-10A 6/16-0

Location:
End Use:
Approved for Pmt.:
Comments:
M/S

Travel Accident Insurance
 Accidents automatically include:
 Personal Injury and
 Personal Death and
 Disfigurement
 Coverage is
 provided for you
 while on land or water when
 traveling by air, land or water when
 you are charged to your
 account. Coverage is
 provided by the Assurance Company.
 Coverage de 100 000 \$
 100 000 \$
 100 000 \$

FOR HELP WITH ANY PROBLEM OR QUESTION ABOUT
 YOUR ACCOUNT, CALL TOLL-FREE 800-387-9700

3733-213086-41009 Listing of Charges and Credits Désignation 03155 Page 01 of 03

Charges	Debit	Credit	
100832215			PAYMENT RECEIVED - THANK YOU 08/03
100900205		21056	THREE GREENHORNS RESTR CALGARY AB INV#567292 1214
100905207	3800		THREE GREENHORNS RESTR CALGARY AB INV#567311 7 1, 90
100751209	3650		PENTICTON TRAVELODGE PENTICTON BC INV#393819 207.33
100757215	719		PENQUIN PUB CALGARY AB INV#621720
100756219	1645		WHITEHORSE CTR MTR INN CP WHITEHORSE YT INV#849735
100757219	11979		WHITEHORSE MOTORS LTD WHITEHORSE YT INV#727011
	16448		PAGE TOTAL
	38241	21056	

018

08/19/90

9999321308649001200082154051 H 05 22 04 03155

Cardmember Copy
 Copie de Titulaire

Previous Balance
 Solde Précédent \$223.78
 New Charges
 Somme Débit P.R. - GHA 81.75
 Credits
 Somme Crédits 12.82

FOR HELP WITH ANY PROBLEM OR QUESTION ABOUT
 YOUR ACCOUNT, CALL TOLL-FREE 800-387-9700
 Listing of Charges and Credits Désignation

- THANK YOU

Canada

FOR HELP WITH ANY PROBLEM OR QUESTION ABOUT
YOUR ACCOUNT, CALL TOLL-FREE 800-387-7700

3733-213086-41009 Listing of Charges and Credits Désignation 03155 Page 02 of 03

100751225	WHITEHORSE CTR MTR INN CP WHITEHORSE YT	INV#849739
100751225	WHITEHORSE CTR MTR INN CP WHITEHORSE YT	INV#849738
100751225	WHITEHORSE CTR MTR INN CP WHITEHORSE YT	INV#849736
100759227	HOLLYWOOD ON TOP KELOWNA BC	INV#582251
100903227	SANDMAN INN LTD PENTICTON PENTICTON BC	INV#405263
100903227	SANDMAN INN LTD PENTICTON PENTICTON BC	INV#720610

Charges	Debit	Credits	Crédit
	2100	MT. BYNG	
	725	MT. BYNG	
	885	MT. BYNG	
	1602	SUSAP	
	6831	SUSAP	
	1440	SUSAP	
	13583		

09-10A 60102 PAGE TOTAL

08/19/90

018

99993321308649002200000008051 H

05 22 04 03155

1214

7 19 90

07.33

NOLIN GEO ENTERPRISES LTD
P.O. BOX 6542 STATION 'D'
CALGARY ALBERTA T2P2E4

INVOICE # 1006

February 27, 1991

IN ACCOUNT WITH:

Aurora Gold Ltd.
#2100, 144-4th avenue S.W.
Calgary ALBERTA
T2P 4N4


Attention: Mr. C.A.Teare, President

RE: Mt. Byng Property
Rental on Wacker Drill

To invoice you as follows:

September 15 - October 15, 1990	\$ 600
Total this invoice	\$ 600

Yours very truly,
Nolin Geo Enterprises Ltd.


Gary A. Nolin P.Geol.
President

in1006Au