

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

87-393-15911
3/88

15,911

BIG BAR GOLD CORPORATION

**A REPORT ON
A GEOLOGICAL EXAMINATION AND GEOCHEMICAL SURVEY
OF**

THE ABU, ABU 2 AND ABU 3 CLAIMS

CARIBOO MINING DIVISION, BRITISH COLUMBIA

FILMED

NTS Location 93 G/1W
Latitude 53° 08' N
Longitude 122° 16' W
Claim Owner J. Bot

Project Operator Big Bar Gold Corporation
Ashcroft, B.C.

Project Consultant Nevin Sadlier-Brown Goodbrand Ltd.
Submittal Date June 26, 1987

Prepared by

T.L. Sadlier-Brown, F.G.A.C.

March 31, 1986

GEOLOGISTS AND ENGINEERS

SPECIALISTS IN MINERAL AND GEOTHERMAL RESOURCE EXPLORATION

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	/
1. INTRODUCTION	
1.1 Terms of Reference and Scope	1 /
1.2 Claim Title and Ownership	1-2 /
1.3 Location and Access	2 /
1.4 Topography and Physiography	3 /
1.5 History of Previous Work	3 /
2. GEOLOGY	
2.1 Regional Geological Setting	4 /
2.2 Property Geology	4-5 /
2.3 Discussion	5 /
3. GEOCHEMICAL SURVEY	
3.1 Survey Parameters	6 /
3.2 Observations and Conclusions	6-7 /
 <u>FIGURES</u>	 Following
Figure 1 - Property Location Map	Text /
Figure 2 - Claim and Geochemical Summary Map	/
 <u>APPENDICES</u>	 Following
Appendix A - Statement of Costs	Text
Appendix B - References	/
Appendix C - Certificate	/
Appendix D - Assay Certificate	/

SUMMARY

The Abu claims form a contiguous group of three metric claims totalling 36 units located 21 km northeast of Quesnel. They are held by Big Bar Gold Corporation under terms of an option agreement with the owner.

The claim group is underlain by the Triassic and Jurassic sedimentary and volcanic rocks of the Takla group. These rocks occupy an elongate northwest-southeast trending structural depression in central British Columbia known as the Quesnel Trough. Rocks within this terrain elsewhere in the general area are known to host gold bearing polymetallic volcanogenic sulphide deposits and quartz vein systems. Volcanogenic sulphides have been discovered and explored in an area northwest of the Abu claim group on an adjoining property.

During August 1986 a reconnaissance soil and stream sediment sampling survey was carried out over the northern and central part of the claim group. Only two sample sites returned anomalous Au values. The generally low values may reflect bedrock conditions but are more than likely mainly a function of heavy overburden.

1. INTRODUCTION

1.1 Terms of Reference and Scope

This report is based on information obtained during the course of a field visit to the Abu claim group by the writer on July 11 and 12, 1986, from a review of published geological information and from discussions with prospectors and other individuals familiar with the geology and mineral occurrences of the general area. It was prepared on behalf of Big Bar Gold Corporation at the request of the Company's management and is intended to describe and discuss the mineral potential of the Abu claim group and to provide a description of a recently completed reconnaissance geochemical survey.

1.2 Claim Title and Ownership

The Abu claim group consists of three contiguous mineral claims comprising 56 units staked under the modified grid system and recorded in the Cariboo Mining Division at Quesnel, B.C. The claims are held by Big Bar Gold Corporation under terms of an option agreement with the recorded owner and staker Mr. John Bot of Quesnel, B.C. Pertinent data on the claims which comprise the property are as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Staking Date</u>	<u>Record Date</u>
Abu	7440	20	March 1/86	March 26/86
Abu 2	7445	20	March 4/86	April 2/86
Abu 3	7473	16	March 11/86	April 7/86

The legal corner post for the Abu claim was located and checked by the writer and legal corner posts and claim lines for the Abu 2 and Abu 3 have been checked by others on behalf of Big Bar Gold Corporation. On the basis of these observations it is the writer's opinion that the staking conforms with the requirements of the B.C. Mineral Act Regulations and, at the time of writing, the claims are in good standing to their dates of record 1988.

1.3 Location and Access

The claim group is centered at a point 21 km northeast of Quesnel or about 3 km north of Bellos Lake. The area is depicted on NTS Sheet 93G/1W and the claims are plotted on the B.C. Ministry of Mines and Petroleum Resources mineral map of the same number.

The northern part of the property may be accessed from Highway 97 via a gravel road which leads easterly from Hush Lake about 16 km north of Quesnel to the vicinity of a small lake about 4.5 km from the highway. The LCP for the Abu claim is situated near the outlet of this lake at its eastern end. The southern part of the claim group may be reached from the highway via the gravel road following Tertiary Creek or the road leading to the south end of Bellos Lake.

1.4 Topography and Physiography

The property is situated on the Fraser Plateau, an incised upland at an elevation of approximately 900 m above sea level. Topography is irregular but relief is limited to the order of a few tens of metres.

Drainage is northerly to Ahbau Creek via a number of intermittent streams. The southern part of the property is poorly drained and contains a number of bogs and swamps.

The entire claim area appears to have been clear-cut many years ago and is presently mantled in well established mixed deciduous and coniferous second growth.

1.5 History of Previous Work

The general area has been prospected in the past at a reconnaissance scale using both geochemical (heavy mineral) and fixed wing airborne geophysical methods during the course of regional surveys by at least one major mining exploration company. It has also been mapped by the Geological Survey of Canada (Map 49-1960, Tipper, H.W., 1960) and nearby placer claims are evidence that it has been prospected for alluvial gold.

Ongoing exploration work on adjoining claims has identified volcanic hosted massive sulphides near Ahbau Creek some 10 km northeast of the Abu claim area. This discovery and encouraging reports from activity elsewhere in the general area has resulted in a high level of regional exploration activity but, to the best of the writer's knowledge, exploration work on the Abu Claim is limited to conventional and geochemical prospecting which was carried out late in 1986.

2. GEOLOGY

2.1 Regional Geological Setting

The Abu claims lie in the central part of a northwest to southeasterly trending belt of mesozoic volcanic and sedimentary rocks known as the Takla group. These rocks occupy a structural depression known as the Quesnel Trough and are interpreted as a northern extension of the Nicola volcanics of south central British Columbia. In the general Quesnel area the trough is bounded to the east by the Eureka Fault and the adjoining proterozoic and paleozoic rocks of the Kaza (Cariboo) Group. In the west it is in fault contact with the carboniferous rocks of the Cache Creek group.

Takla group rocks consist principally of andesite, basalt, tuff, breccia, conglomerate, greywacke, shale and limestone. Outcrop is limited in the general claim area but, where observed, appears to consist principally of andesite or greenstone.

2.2 Property Geology

For the most part the claims are mantled in thick alluvial and glacial overburden. The only outcrops observed by the writer in the immediate area of the property lie to the south near Bellos Lake and consist principally of Takla group andesites. These rocks are reported to host the massive sulphides to the northwest as well as the gold bearing quartz veins mined in the Hixon Creek area about 30 km further north along the trough.

No major anomalous magnetic features were detected on the claims either by the Federal Government airborne survey or a private survey carried out later. The Federal Government Department of Energy Mines and Resources airborne magnetometer map indicates that the property is characterized by a uniform magnetic gradient decreasing from a high in excess of 4200 gammas in the west to a low of about 4000 gammas in the east.

2.3 Discussion

The sedimentary and volcanic rocks which comprise the Takla Group in the vicinity of the Abu claims are essentially compatible with the occurrence of both volcanogenic massive sulphide deposits and auriferous quartz veins. Although there are no known mineral occurrences on the Abu claims a massive sulphide occurrence of potential economic interest was discovered 10 km to the northwest on the adjoining property. The land presently covered by the Abu Claim Group has almost certainly been prospected during the course of one or more of the regional exploration programs referred to in Section 1.5. However, conventional and geochemical prospecting in this area would be severely compromised by the extensive overburden. The claim group therefore remains a potentially interesting exploration target provided the exploration methods selected do not merely duplicate those employed in the past.

3.0 GEOCHEMICAL SURVEY

3.1 Survey Parameters

Between August 9th and August 20th 1987 a soil and stream sediment sampling survey was carried out over the northern and central parts of the Abu group by Mr. John Bot of Quesnel, B.C. A total of 104 samples of unconsolidated material were taken. These included 96 soil samples and 8 stream sediment samples.

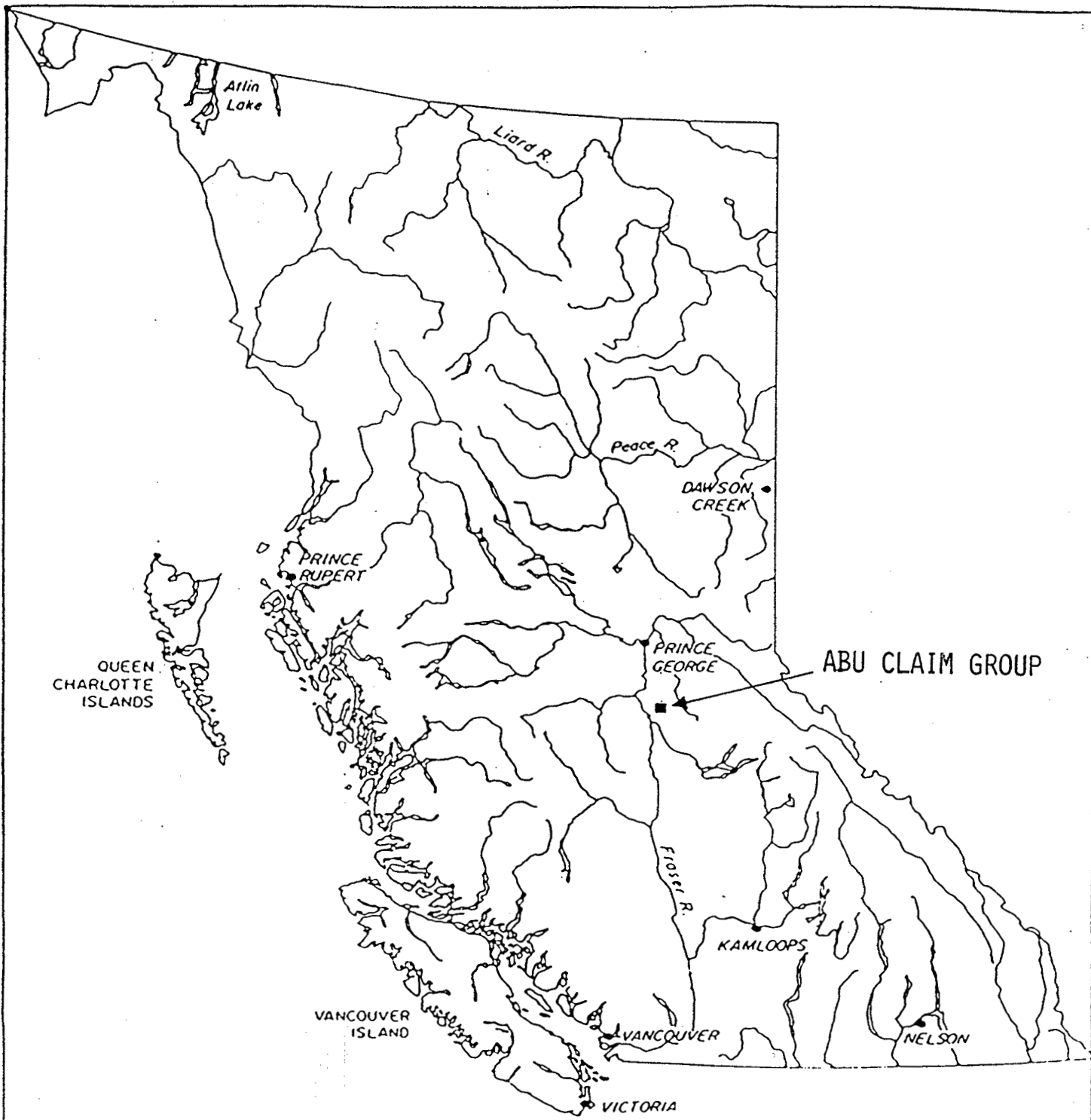
Soil samples were obtained by digging with a mattock at intervals along unused logging roads which traverse the property. An effort was made to obtain B horizon material where possible. Stream sediments were taken from selected drainages and consisted of bulk samples comprising 4 litres of material which were then panned down to a concentrate which, like the soil samples, was placed in a paper envelope and forwarded to Kamloops Research and Assay Laboratory in Kamloops, B.C. for analysis. All samples were tested for gold using conventional hot acid digestion and atomic adsorption methods. Results were reported in parts per billion and are depicted on Map 2 and tabulated in Appendix D of this report.

3.2 Observations and Conclusions

With the exception of Sample A-25 which returned 10PPB Au and A-53 which returned 60PPB Au all of the soil and silt samples from the survey under discussion produced values at or below detection limit of 3PPB.

Samples A-23 and A-53 were both soil samples from the northwest corner of the property in the northern part of the Abu claim. The source of the gold in these samples is presently unknown.

The general consistent low tenor of the gold values in both soil and stream sediment is most probably attributable to the masking effect of the heavy, poorly sorted glacially transported overburden which mantles the area, apparently to considerable depth. The results suggest that geochemistry testing for gold only is unlikely to prove a useful exploration tool in this area. Pathfinder elements such as As, Hg, Sb, Ph, Zn and Cu may be more effective.



QUEEN CHARLOTTE ISLANDS

PRINCE RUPERT

PRINCE GEORGE

ABU CLAIM GROUP

KAMLOOPS

VANCOUVER

NELSON

VICTORIA

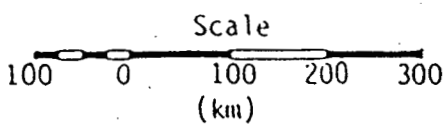
BIG BAR GOLD CORPORATION

LOCATION MAP

Figure 1

March 31, 1987

NEVIN SADLIER-BROWN GOODBRAND LTD.



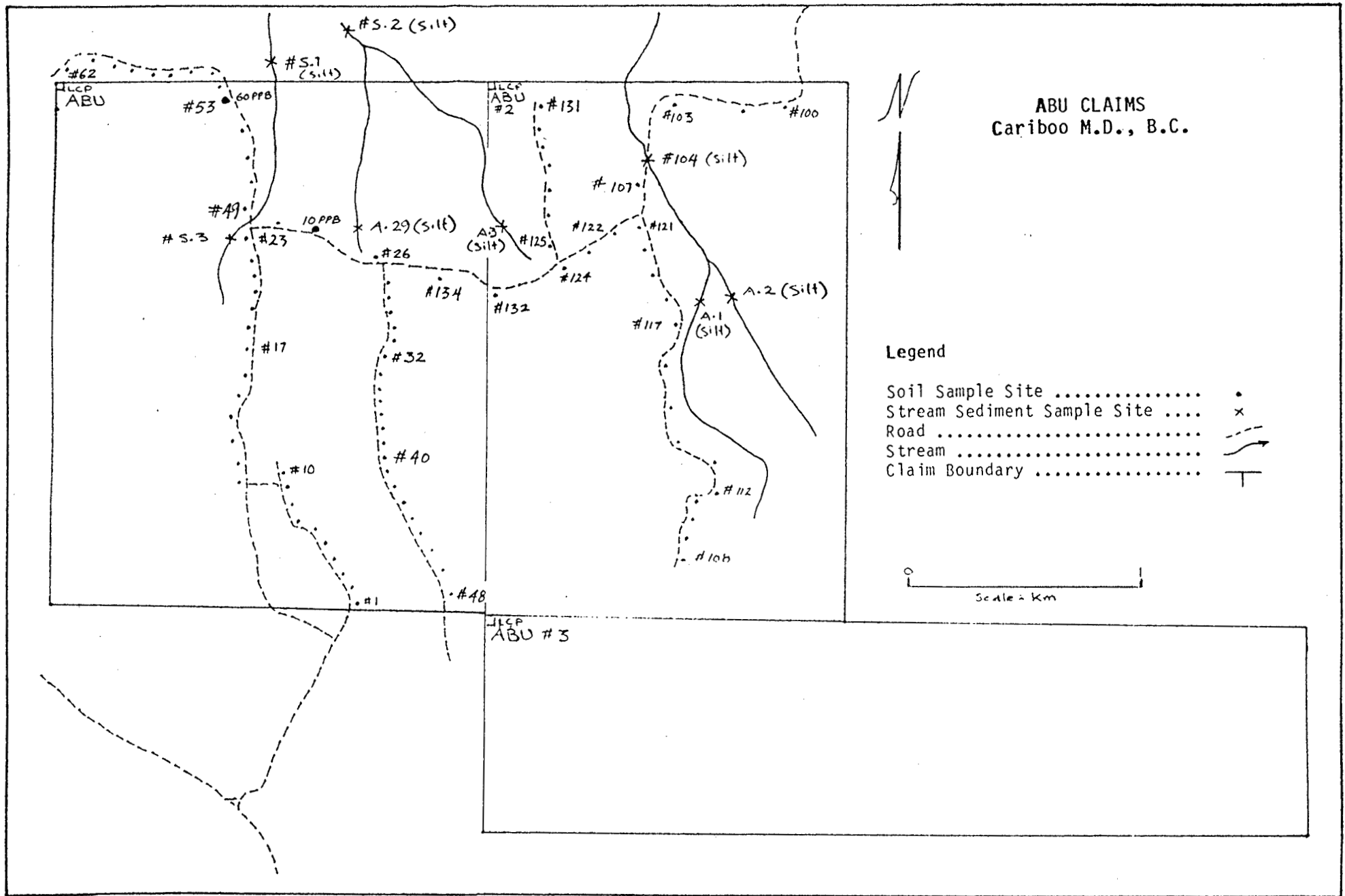


Figure 2. Soil and Stream Sediment Sample Locations. Part of NTS Sheet 93G 1W

APPENDIX A
STATEMENT OF COSTS

GEOLOGY AND PROSPECTING

Consulting Fees 3.5 man days (July 1986)	\$1,400.00
Meals & Accommodation	225.00
Vehicle (4 wheel drive) & fuel	235.00
Map, Air Photographs	50.00

GEOCHEMICAL SURVEY

Wages (Aug. 9-20 1986)	960.00
Vehicle & Fuel	180.00
Analytical Costs	704.00
Miscellaneous Field Equipment	60.00
Shipping & Communication	50.00

PROJECT ADMINISTRATION/PERMITTING	407.00
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REPORT PREPARATION & DATA INTERPRETATION

Consulting Fee 2.5 man days (March 1987)	1,000.00
Wages 0.5 man days	75.00
Office: Typing, drafting, copying & communication	<u>254.00</u>

TOTAL	<u>\$ 5,600.00</u>
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APPENDIX B

REFERENCES

Tipper, H.W., 1961: Geology of Prince George Map Sheet, GSC Map 49-1960.

Tipper, H.W.; Campbell, R.B.; Taylor, G.C., Stott, D.F., 1979: Parsnip River Sheet, GSC Map 1424A.

APPENDIX C

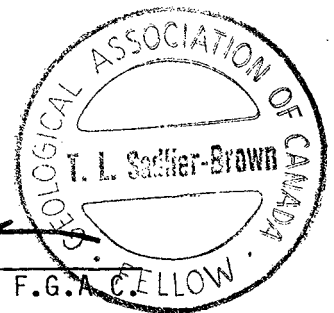
CERTIFICATE AND STATEMENT OF QUALIFICATIONS

I, Timothy L. Sadlier-Brown hereby certify that:

1. I am a consulting geologist and partner in the firm of Nevin Sadlier-Brown Goodbrand Ltd. with offices at 401-134 Abbott Street, Vancouver, B.C. V6B 2K4.
2. I was educated in Geological Sciences at Carleton University Ottawa, Ontario and am a Fellow of the Geological Association of Canada.
3. I have acted in the field of exploration geology in positions of responsibility since 1965 and have been a principal in the firm of Nevin Sadlier-Brown Goodbrand Ltd. since 1972.
4. I personally carried out the geological examination of the Fontaine claims as described in this report.
5. I hold no interest, direct or indirect, in the property described herein nor in the securities of Big Bar Gold Corporation nor do I expect to receive such interest.

T. L. Sadlier-Brown

T.L. Sadlier-Brown, F.G.A.C. FELLOW



March 31, 1987

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD.

B. C. CERTIFIED ASSAYERS

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PHONE 372-2784 - TELEX 048-8320

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BIG BAR RESOURCES
BOX 157
ASHCROFT, B. C.
VOK 1A0

DATE DEC 3 1986

FILE NO. G 1362

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU
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2	PAN A-2	3.0
3	PAN A-3	3.0
4	A 2955	3.0
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 GEOCHEMICAL LAB REPORT

PAGE 2 / 3

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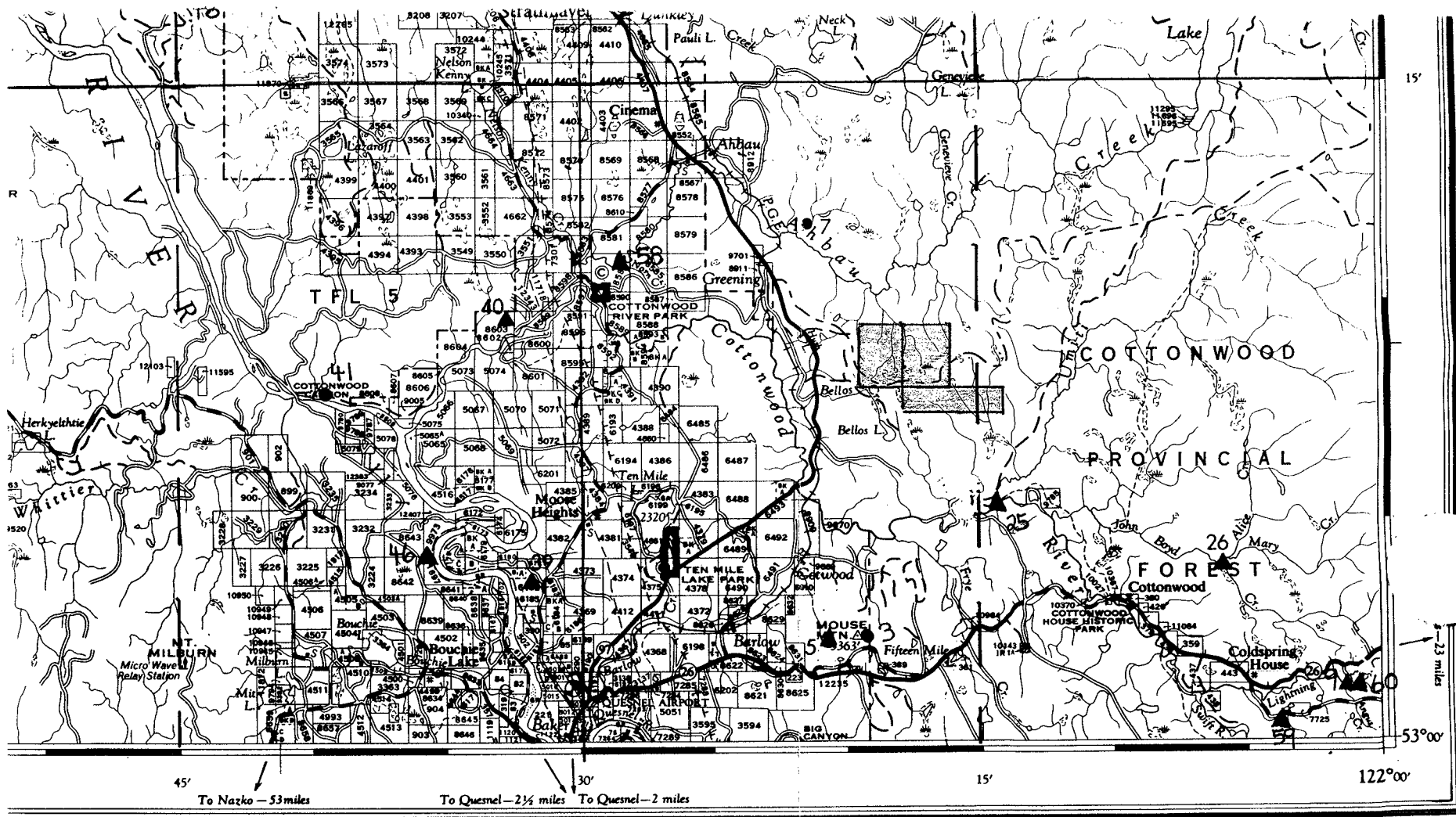
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PAGE 3 / 3

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83	A-117	3.0
84	A-118	3.0
85	A-119	3.0
86	A-120	3.0
87	A-121	3.0
88	A-122	3.0
89	A-123	3.0
90	A-124	3.0
91	A-125	3.0
92	A-126	3.0
93	A-127	3.0
94	A-128	3.0
95	A-129	3.0
96	A-130	3.0
97	A-131	3.0
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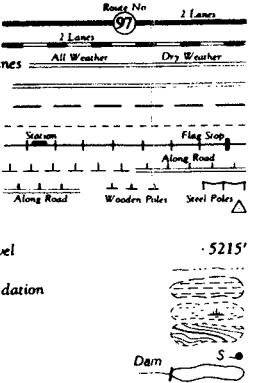
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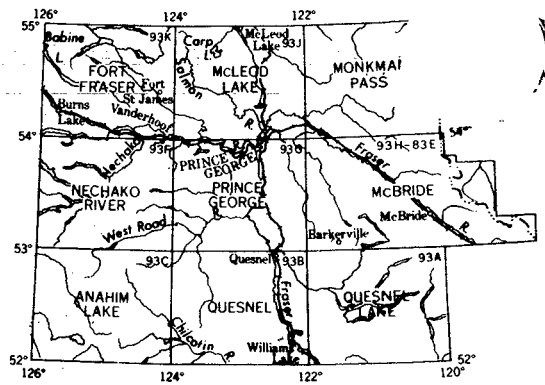
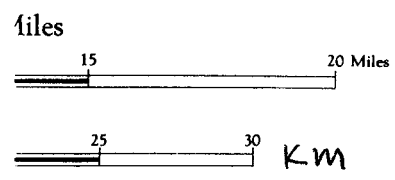
Universal Transverse Mercator Projection

REFERENCE

- .. Road, Hard Surface, All Weather
- .. Loose Surface, All Weather
- .. Loose Surface, Less than 2 lanes
- .. Logging, Mining, etc.1
- .. Four Wheel Drive
- Trail
- Railway
- Main Telephone Line
- Main Electric Power Line
- Horizontal Control Station
- Contours (Interval 500 feet)
- Elevation in feet above mean sea-level
- Intermittent Stream
- Intermittent Lake or Seasonal Inundation
- Swamp or Marsh
- Glacier or Icefield
- Spring
- Dam
- Customs Office
- Navigation Light
- Air
- Archharbour or Seablone Anchorage



LOCATION MAP



Sheet 93 G (MI)

Fig 1a

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15,911