

860693

REPORT ON THE WILLIAMS CREEK

GOLD QUARTZ PROPERTY

(WINTER PROGRAM, 1973)

K. J. BUCHANAN

GEOLOGIST

October 31, 1973

TABLE OF CONTENTS

	<u>Page No.</u>
SUMMARY	1
CLAIMS	1
GEOLOGICAL MAPPING & SAMPLING	3
SAMPLE AND ASSAY PROCEDURE	4
ASSAY RESULTS AND INTERPRETATION	4

APPENDIX

Certificate of Assay - Atomic Absorption

Certificate of Assay - Fire Assay

Spectrographic Analysis

Maps - Black Jack Adit - Geology Plan

Wintrip Adit - Assay Plan

Westport Adit - Assay and Geology Plan

SUMMARY

A program of claim staking and a mapping and sampling program on existing adits on the property was completed between October 22nd and November 4, 1973. In addition, two Crown-granted mineral leases, the "Pin Money" and "King Fraction" were acquired October 17, 1973.

CLAIMS

Twenty-three claims were staked on the south side of the Williams Creek property to cover ground on which the proposed access road to the property will be built.

<u>CLAIM NAME</u>	<u>CLAIM NO.</u>	<u>EXPIRY DATE</u>
Lode 1	448501 M	Oct. 24, 1974
Lode 2	448502 M	Oct. 24, 1974
Lode 3	448503 M	Oct. 24, 1974
Lode 4	448504 M	Oct. 24, 1974
Lode 5	448505 M	Oct. 24, 1974
Lode 6	448506 M	Oct. 24, 1974
Lode 7	448507 M	Oct. 24, 1974
Lode 8	448508 M	Oct. 25, 1974
Lode 9	448509 M	Oct. 25, 1974
Lode 10	448510 M	Oct. 25, 1974
Lode 11	448511 M	Oct. 25, 1974
Lode 12	448512 M	Oct. 25, 1974
Lode 13	448513 M	Oct. 25, 1974
Lode 14	448514 M	Oct. 25, 1974
Lode 15	448515 M	Oct. 25, 1974
Lode 16	448516 M	Oct. 25, 1974
Lode 17	448517 M	Oct. 25, 1974
Lode 18	448518 M	Oct. 25, 1974
Lode 19	448519 M	Oct. 25, 1974
Lode 20	448520 M	Oct. 25, 1974
Lode 21	448521 M	Oct. 25, 1974
Lode 22	448522 M	Oct. 25, 1974
Lode 23	448523 M	Oct. 25, 1974

GEOLOGICAL MAPPING AND SAMPLING

Three adits, the Black Jack, the Westport and the Wintrip were investigated. The Black Jack and Westport were washed down and geologically mapped but only the Westport had sufficient mineralization to warrant sampling. Cat work was required to clear and drain the Wintrip adit; however, once this was done it was discovered that the adit was too dangerous to work in and no further work was done. Sampling done in 1947 is probably reliable and an assay plan of this adit with results from that time is included with the present work accomplished.

The three adits are entirely within the Rainbow group of rocks. The rock types are dark grey quartzites and dark grey to black argillites with some talcose and sericitic material. Limey material has percolated through the overlying sediments to the back of the adits, giving a false impression of lime-rich rocks but no limestone was observed in rocks visible in the drifts themselves. This accumulation of lime is thought to be from the breakdown of dolomite which is associated with the quartz veins.

There are no mineralized quartz veins in the Black Jack adit but there are minor transverse veins. These veins were up to 4" wide and contained no sulphides. Some good mineralized transverse veins are present in the Westport adit. The longest has a strike length of 30 feet and contains 15% to 20% pyrite and although a certain amount of pinching and swelling occurs, the width average is about 1.2 feet. Fourteen channel samples were taken in this adit.

SAMPLE AND ASSAY PROCEDURE

All samples were channel samples taken across the vein with moil and mallet. The chips were collected on a tarp and shipped in plastic sample bags. Gold content of the samples was obtained by the atomic absorption method.

ASSAY RESULTS AND INTERPRETATION

Nine of the samples assayed from the Westport adit contained free gold and some of the higher results were undoubtedly caused by this factor. Previous work had indicated that the gold content was dependent on the amount and fineness of pyrite present in the quartz veins, but this doesn't seem to be necessarily true in the Westport adit. Some of the samples containing an appreciable percentage of pyrite did assay above 0.25 oz. Au. /ton but other samples which had less than 5% pyrite assayed well above 0.25 oz. Au. /ton.

Channel sampling in an area where free gold exists can give misleading results of either a positive or negative nature, and in future a bulk sampling program would provide a more satisfactory method of sampling.

A spectrographic analysis of the large vein in the Wintrip adit resulted in three elements, lead, arsenic and bismuth being present in amounts 1000 ppm or greater. These elements will probably be the focus of the test geo-chem. program in the 1974 season.

The Westport adit samples were checked by fire assay and the results are tabled in the appendix. There were some marked differences in the results of the two methods and in future all gold content will be determined by fire assay.

October 31, 1973

K. J. Buchanan
Geologist



TO:
HOME OIL CO. LTD.
#202 - 850 W. Hastings
Vancouver, B.C.

CERTIFICATE OF ASSAY

No.: 7311-1153 DATE: Nov. 16/73

We hereby certify that the following are the results of assays on: **pulps**

MARKED								GOLD	SILVER
								OZ/ST	GR/ML
11851								0.035	
11852								0.720	
11853								0.276	
11854								1.072	
11855								0.404	
11856								0.378	
11857								0.014	
11858								0.650	
11859								0.296	
11860								2.754	
11861								0.400	
11862								0.972	
11863								0.204	
11864								5.532	

LW/pm

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS ON REQUEST
PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

[Signature]
I. Wong Provincial Assayer PROVINCIAL ASSAYER

COPY

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER American Society For Testing Materials • The American Oil Chemists' Society • Canadian Testing Association
REFEREE AND OR OFFICIAL CHEMISTS FOR Vancouver Merchants Exchange • National Institute Of Oilseed Products • The American Oil Chemists' Society
OFFICIAL WEIGHMASTERS FOR Vancouver Board Of Trade • Vancouver Merchants Exchange



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Home Oil Co. Ltd.,
#202 - 850 W. Hastings
Vancouver, B. C.

CERTIFICATE NO. SP 71

INVOICE NO. 10844

RECEIVED

ATTN:

ANALYSED Nov. 9/73

SAMPLE NO. :	Detection Limit PPM	#1
Beryllium	5	bd1
Boron	20	100
Manganese	5	200
Antimony	50	bd1
Lead	5	> 5000 -
Thorium	200	bd1
Chromium	10	200
Hafnium	200	bd1
Gallium	2	5
Molybdenum	10	10
Tin	10	bd1
Vanadium	10	bd1
Cadmium	20	bd1
Copper	0.5	20
Zinc	50	bd1
Titanium	5	20
Silver	0.5	50
Zirconium	20	bd1
Nickel	5	20
Cobalt	10	20
Tellurium	20	bd1
Mercury	500	bd1
Tantalum	200	bd1
Arsenic	20	1000
Germanium	20	bd1
Bismuth	5	1000
Niobium	50	bd1
Indium	10	bd1
Barium	5	bd1
Strontium	20	bd1

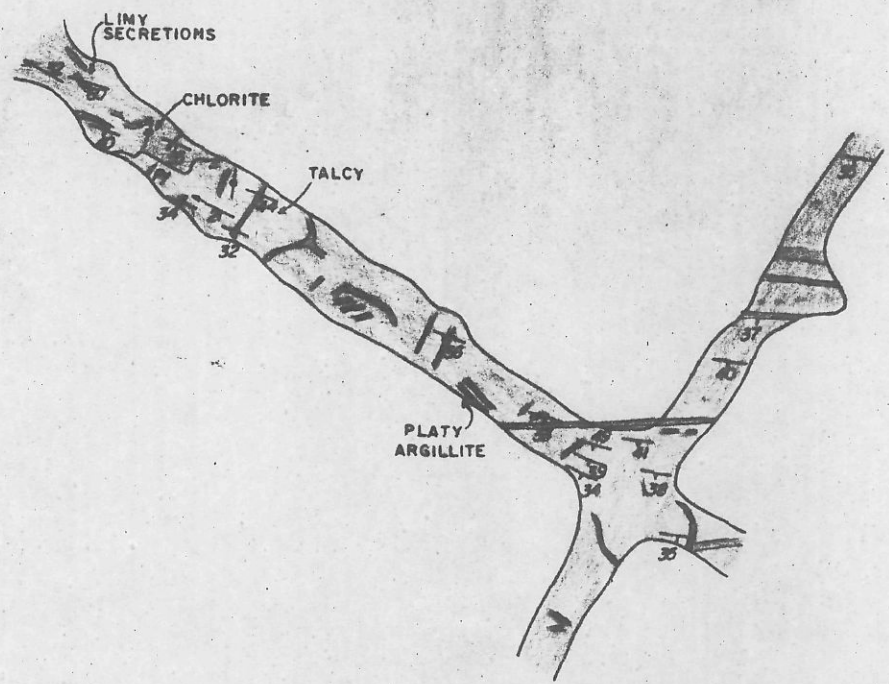
CONCENTRATION RANGE LEGEND





>5000 PPM = >5000 PPM	50 PPM = 25-100 PPM
5000 PPM = 2500-10000 PPM	20 PPM = 10-40 PPM
2000 PPM = 1000-4000 PPM	10 PPM = 5-20 PPM
1000 PPM = 500-2000 PPM	5 PPM = 2.5-10 PPM
500 PPM = 250-1000 PPM	2 PPM = 1-4 PPM
200 PPM = 100-400 PPM	1 PPM = 0.5-2 PPM
100 PPM = 50-200 PPM	0.5 PPM = 0.2-1 PPM
	bd1 = below detection limit



MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY: *[Signature]*

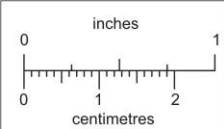


-  Black argillite
-  Dark grey quartzite
-  Interbedded
-  Quartz veins


WILLIAMS CREEK GOLD
QUARTZ MINING COMPANY
BLACK JACK ADIT

GEOLOGY PLAN
SCALE: 1" = 20'

OCTOBER 31, 1973 K. J. BUCHANAN

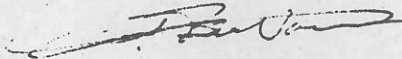


This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

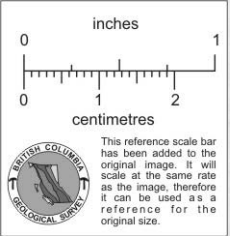


NOTE:

The Wintrip Assay Plan is a copy of previous work done in 1947 and some of the sample locations are not clearly outlined. The assay results which are tabled are assumed to come from the two quartz veins located in the central part of the adit.

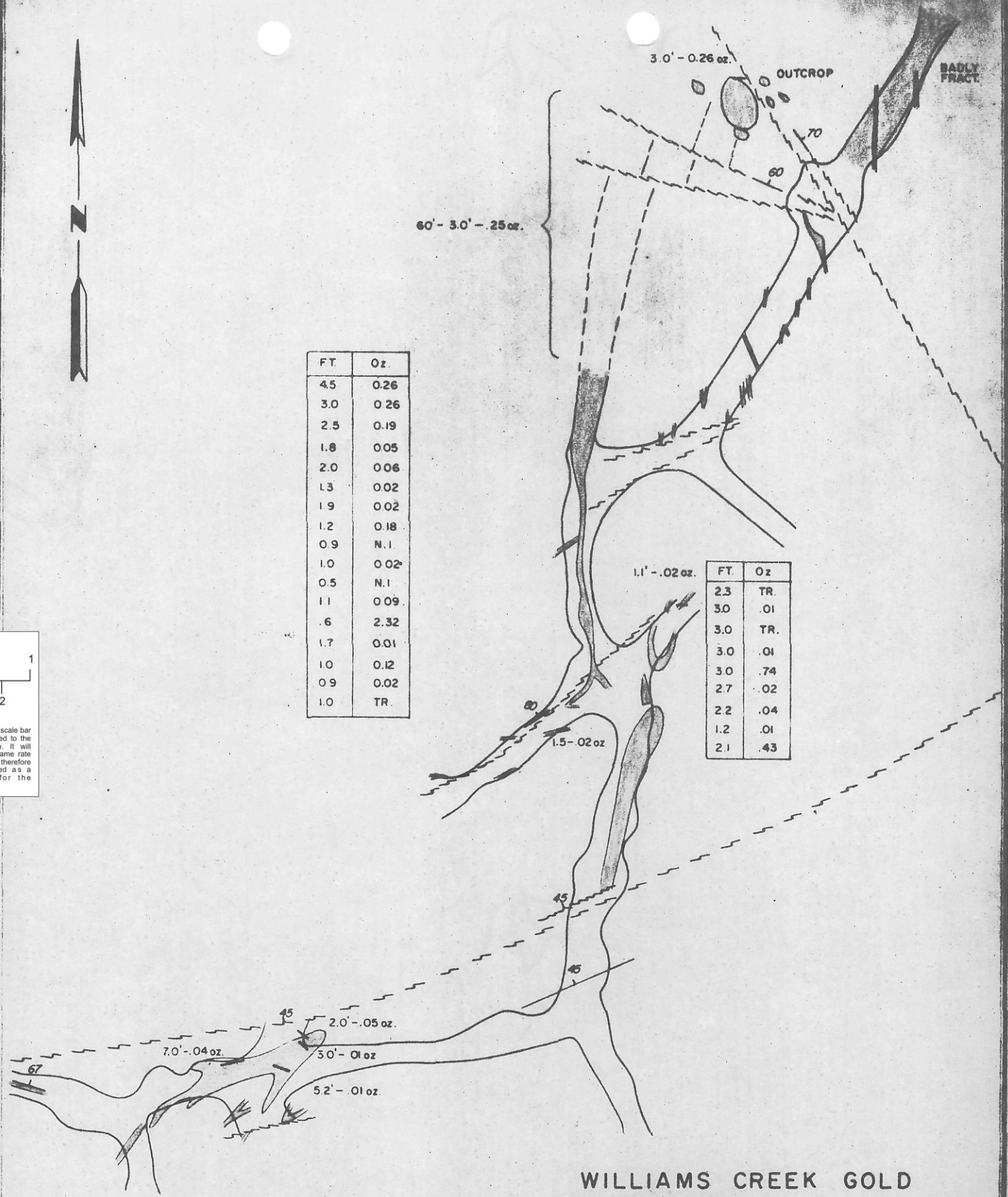


K. J. Buchanan, Geologist



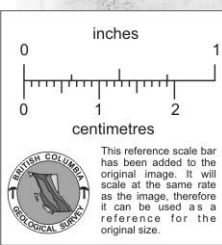
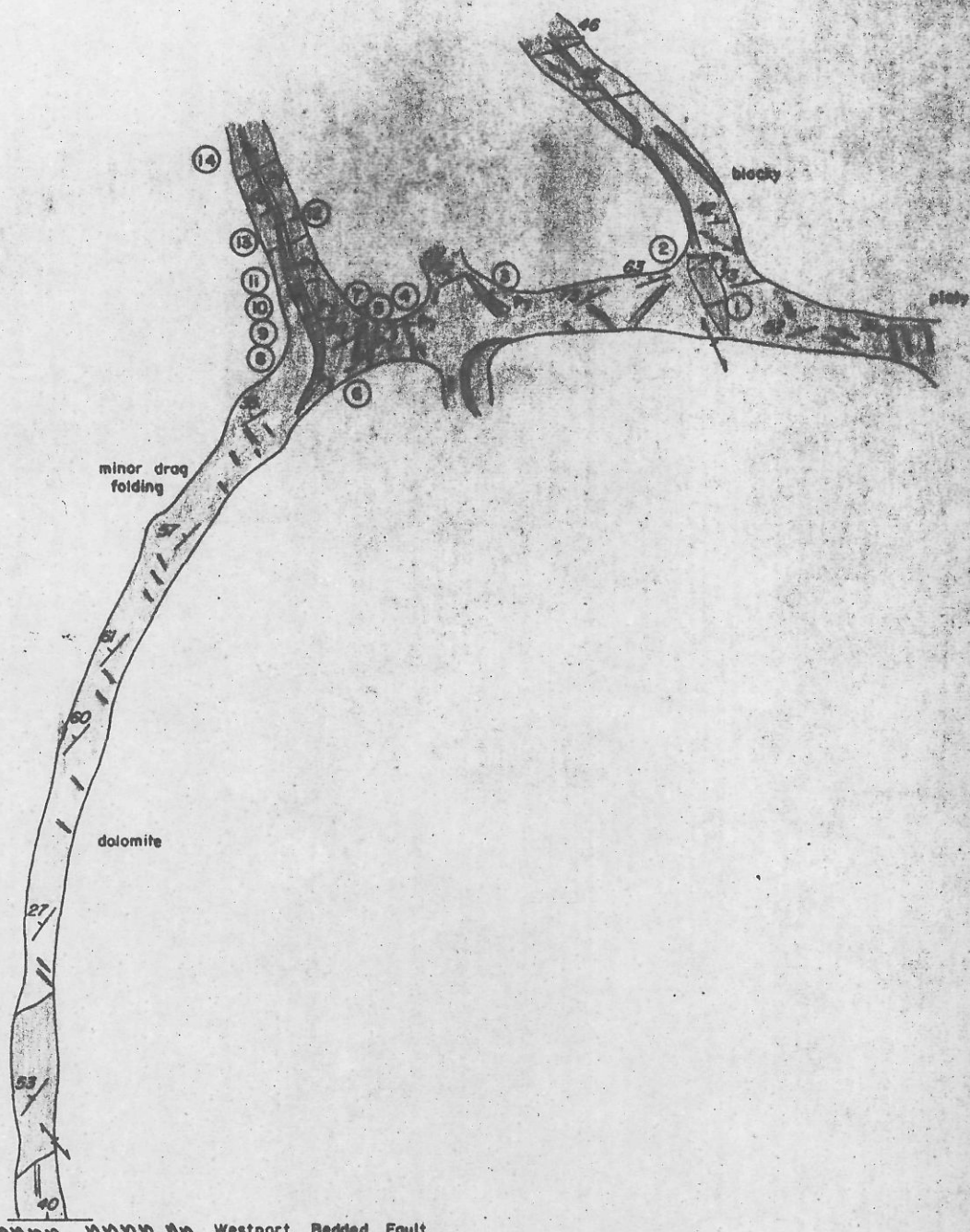
FT	Oz.
4.5	0.26
3.0	0.26
2.5	0.19
1.8	0.05
2.0	0.06
1.3	0.02
1.9	0.02
1.2	0.18
0.9	N.I.
1.0	0.02
0.5	N.I.
1.1	0.09
.6	2.32
1.7	0.01
1.0	0.12
0.9	0.02
1.0	TR.

FT	Oz
2.3	TR.
3.0	.01
3.0	TR.
3.0	.01
3.0	.74
2.7	.02
2.2	.04
1.2	.01
2.1	.43







- Black argillite
- Quartz veins

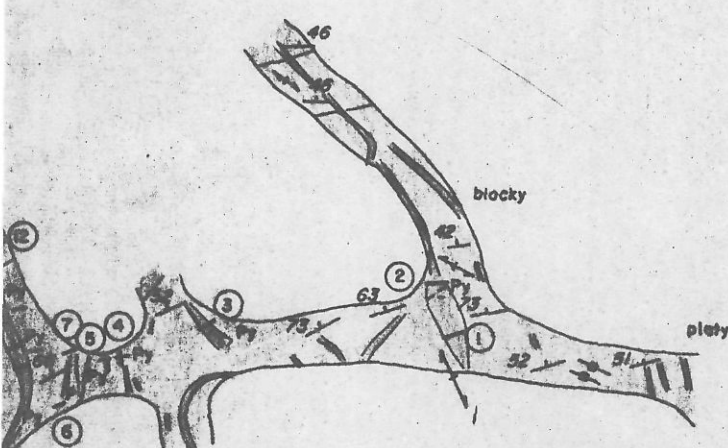
WILLIAMS CREEK GOLD
 QUARTZ MINING COMPANY
 WINTRIP ADIT
ASSAY PLAN
 SCALE: 1" = 20'
 OCTOBER 31, 1973 K.J. BUCHANAN



Westport Bedded Fault

LEGEND

-  Dark grey to brown Quartzite
-  Black Argillite
-  Interbedded
-  Quartz veins

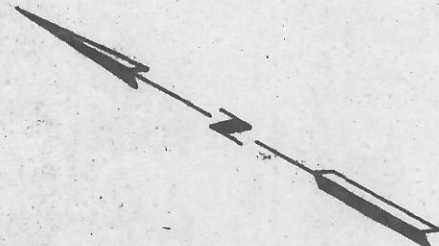


ASSAYS		
No.	Ft.	Oz.
1	2.0	0.026
2	2.0	0.76
3	0.9	0.20
4	0.4	0.43
5	0.2	0.005
6	0.2	0.36
7	0.5	0.047
8	1.3	0.27
9	1.3	0.24
10	0.4	1.68
11	0.7	0.35
12	1.0	0.82
13	0.4	0.14
14	0.3	7.71

inches
0 1

centimetres
0 1 2

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



Banded Fault

**WILLIAMS CREEK GOLD
QUARTZ MINING COMPANY**
WESTPORT ADIT
ASSAY AND GEOLOGY PLAN
Scale : 1" = 20'

Oct. 31, 1973

K. J. Buchanan