

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 90.01.23

ASSESSMENT REPORT 18641

MINING DIVISION: Clinton

PROPERTY: Vidette  
LOCATION: LAT 51 10 20 LONG 120 54 20  
UTM 10 5559671 649961  
NTS 092P02W  
CLAIM(S): Vidette 2, CE Fr., Argenta, Valley 1-2, New Hope  
OPERATOR(S): Booker Gold Ex.  
AUTHOR(S): Stevenson, J.P.  
REPORT YEAR: 1989, 34 Pages  
COMMODITIES  
SEARCHED FOR: Gold, Silver  
KEYWORDS: Nicola Group, Volcanics, Hamilton Fault, Quartz veins, Sulphides, Gold  
WORK  
DONE: Drilling, Geochemical  
DIAD 302.0 m 4 hole(s); BQ  
SAMP 107 sample(s); CU, AG, AU  
RELATED  
REPORTS: 08955, 10103, 11273, 11731, 12670, 13453  
MINFILE: 092P 086

LOG NO: 0417	RD.
ACTION:	
FILE NO:	

SUMMARY REPORT

on the

VIDETTE PROPERTY

CLINTON MINING DIVISION

NTS 92P/2W

50° 10' 20.5" North ~~Longitude~~ <sup>LATITUDE</sup> - 120° 54' 21" West Longitude

for

FILMED

Booker Gold Explorations Ltd.  
Vancouver, B.C.

Prepared By:

J. Paul Stevenson & Associates  
Natural Resource Exploration  
And Development Ltd.

303 - 475 Howe Street  
Vancouver, B.C.  
V6C 2B3  
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RECEIVED  
SEP 8 1989  
Gold Commissioner's Office  
VANCOUVER, B.C.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,641

GOLD COMMISSIONER

APR 10 1989

CLINTON

March 30, 1989

LOG NO:	RD.
ACTION:	
FILE NO:	

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STATEMENT OF COSTS - BOOKER GOLD EXPLORATIONS

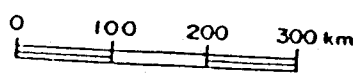
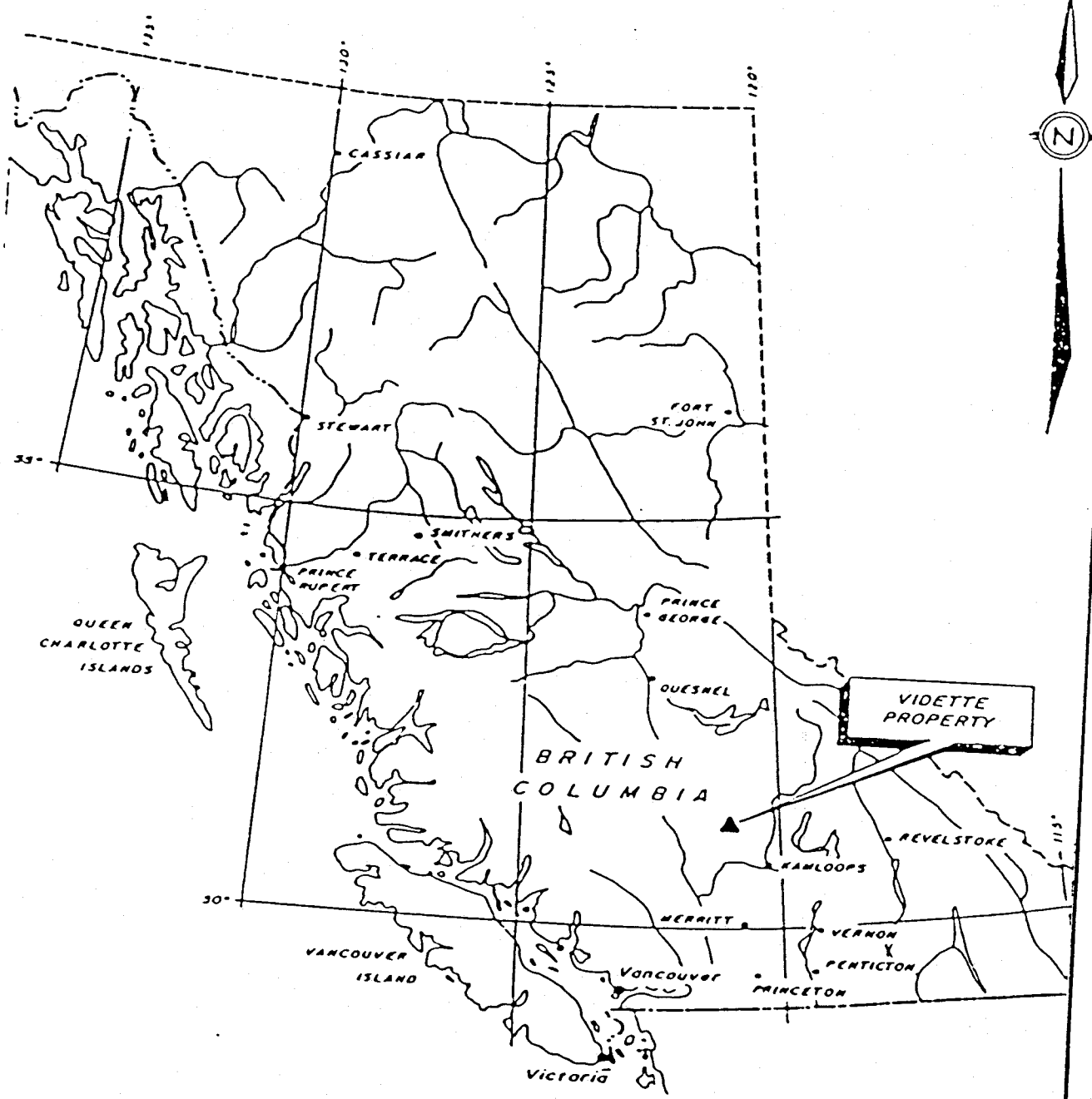
1,000 Feet of B.Q. Drilling @ \$25.00 per foot	
- Wayne Spence Drilling .....	25,000.00
3,000 Feet of B.Q. Drilling @ \$20.00 per foot	
- Grizzly Drilling .....	40,000.00
Line Cutting 10 kilometers @ \$250.00 per Km .....	2,500.00
Property supervision .....	2,000.00
<u>Assays .....</u>	<u>800.00</u>
TOTAL.....	70,300.00

DRILLING SUMMARY

A total of 12 B.Q. Diamond Drill Holes were completed on the Vidette Property. 1250 meters of drilling was completed. Unfortunately, a local land owner destroyed our first core shack, wiping out any chance of logging much of the core. This vandalism was reported to the Clinton Gold Commissioner and the R.C.M.P. The remainder of the core is now stored 500 meters north of Kilometre 52 on the Clinton-Loon Lake Road on the other claims.

The purpose of this program was to investigate the Hamilton Creek fault. This major structure runs sub-parallel to high grade gold/quartz veins. The drilling encountered two major quartz shears with anomalous gold results.

Further drilling will be necessary to delineate this target.



BOOKER GOLD EXPLORATIONS LTD.		
LOCATION MAP		
VIDETTE GOLD PROPERTY		
DRAWN BY: DCM	NTS 92P/2W	FIGURE 1
REPORT DATE March 30/89	PROJECT NO. 8839	

## 1.0 INTRODUCTION

At the request of Booker Gold Explorations Ltd., J. Paul Stevenson & Associates has been managing a diamond-drill program for the company. The property known as the Vidette Project is being examined as an epithermal gold target. The following report is a summary of work to date and contains recommendations for continuation of the project. The author suggests this report be submitted to a professional engineer or professional geologist for approval or change.

## 2.0 SUMMARY

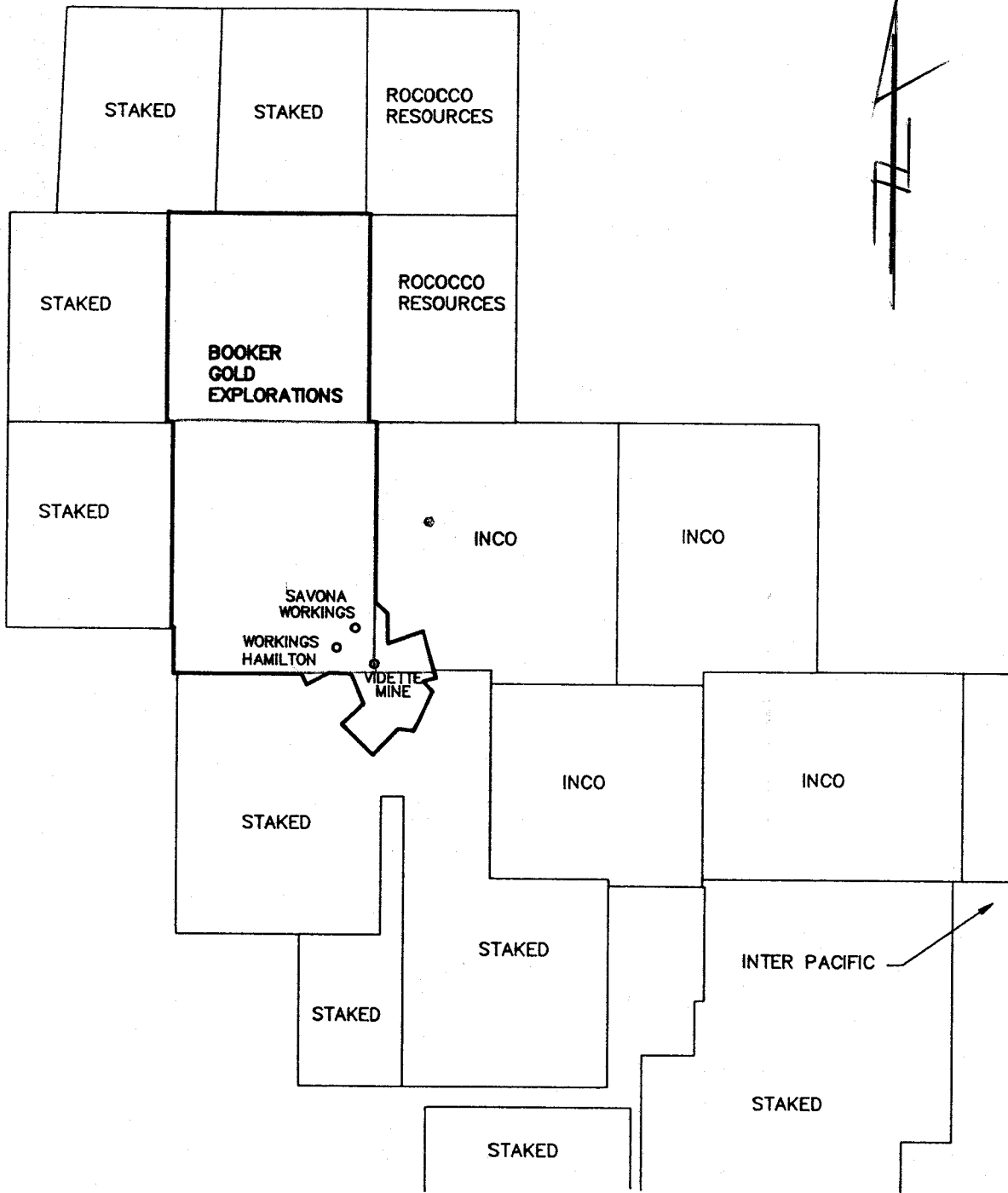
The Vidette mine was placed in production in 1933 following prospecting and some 1150 feet of underground development work in 1931 and 1932. Total production was reported to be 29,869 oz/ton of gold from 54,199 tons of ore, some of which was direct shipping ore. The mine was developed by several adits, winzes and shafts of which the main shaft was driven 650 feet deep on a slope of 45 degrees.

Gold mineralization occurs in quartz veins which average about 11 in. in thickness with an average grade of slightly over 1 oz/ton over this thickness. The veins strike northwest and dip an average of about 45 degrees northeast; dips vary considerably. Gold mineralization is associated with quartz, pyrite and chalcopyrite and the gold grade increases with increased chalcopyrite and to a lesser extent, pyrite. There is little wallrock alteration and gold is confined to veins. Of four principal veins mined, the most productive was the Broken Ridge veins which produced 20,950 tons from a vein averaging 1.6 oz/ton over 13 in. The actual mining width would have been at least 2.5 feet.

The veins are cut by a number of faults which have displacements in the order of several feet ranging up to over 200 feet. This faulting had an adverse effect on mining and was eventually responsible for the mine closure when the main Broken Ridge vein was faulted off as mining progressed eastward.

Vein host rocks are the Nicola volcanics which consist primarily of andesite at the property. These volcanics occur as a window within younger cover rocks comprising mainly basalts and related rocks. At several locations at the property the Nicola volcanics have been intruded by feldspar porphyry stocks and dykes. These rocks are of interest because they are mineralized with pyrite and locally carry anomalous gold values.





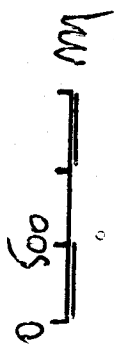
0 900 m

0 1 2  
miles

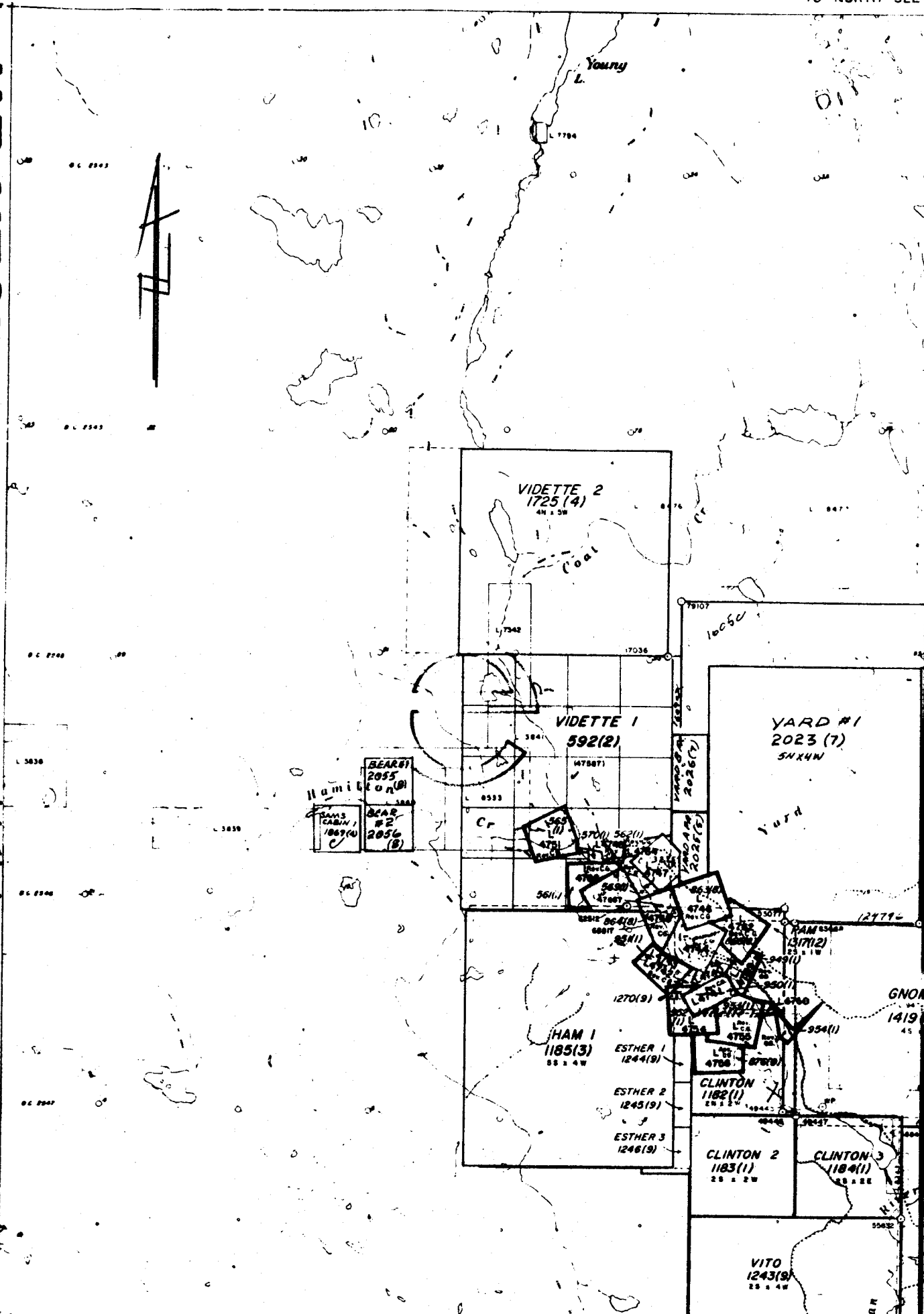
1:50 000

BOOKER GOLD EXPLORATION LTD.				
VIDETTE PROPERTY				
KAMLOOPS M.D.				
CLAIM MAP				
SCALE: as shown	DATE: MAR '89	N.T.S. 92P/2V	DRAWN BY: GEO-COMP	FIGURE: 2

M92P/2W



CLAIM MAP



Handwritten notes: BEAR #1 2055 (A), BEAR #2 2056 (B), BEAR #3 1867 (C)

Handwritten note: 10060

GNOM 1419

VITO 1243(9)

HAM 1 1185(3)

ESTHER 1 1244(9)

ESTHER 2 1245(9)

ESTHER 3 1246(9)

CLINTON 1182(1)

CLINTON 2 1183(1)

CLINTON 3 1184(1)

VIDETTE 2 1725(4)

VIDETTE 1 592(2)

YARD #1 2023(7)

Recent exploration has been primarily directed to an area northwest of the Vidette Mine where several geological, geochemical and geophysical surveys have been done over the last ten years. The most recent drill program (November 1988 to February 1989) has focused on the Hamilton Fault as a primary target. Two drill holes have intersected major quartz filled-shears with anomalous gold values. The logs of these holes are titled DDH 88-6 and DDH 88-7. Two drill holes, log titles 89-12, 89-15, intersected feldspar porphyry with hole 89-15 carrying anomalous gold values (figures 3 and 4).

Follow-up drilling is definitely warranted. A system of delineating the major structure along Hamilton-Coal Creek is necessary with close attention paid to rock geochemistry. EM is probably not effective with the deep overburden and known mineralized veins are not pyritized enough for IP response.

### 3.0 LOCATION AND ACCESS

The Vidette Property entails the old Vidette Gold Mine, Hamilton Mine workings and the former property of Savona Gold Mines. These properties encompass what is now known as the Vidette Project, owned and operated by Booker Gold Explorations, Ltd. The property can be found on map sheet NTS 92P/2W at approximately 50 degrees, ten minutes, twenty point five seconds north latitude and 120 degrees, 54 minutes, 21 seconds west longitude. Access can be made either via Dead-Man's Creek Road from Highway 1 near Savona, B.C. or the Clinton-Loon Lake Forestry Road from Highway 97 near Chasm, B.C.

### 4.0 PROPERTY

The property includes the former Vidette Mine, the Hamilton Workings and the Savona workings. The following claims are included in the property:

<u>Name</u>	<u>Record No.</u>	<u>Lot No.</u>	<u>Hectares</u>
Searcher No. 2	953	4755	19.02
Searcher No. 3	864	4745	15.16
Searcher No. 4	876	4756	Approx. 14.50
Searcher No. 5	949	4739	7.32
Searcher No. 6	951	4743	13.72
Pioneer	863	4746	20.90
Monarch	952	4754	14.86
Whitepass	950	4741	10.41
T.F. Fraction	865	4762	16.42
E.B. Fraction	954	4760	Approx. 4.80
Searcher No. 1	---	4744	18.13
Searcher No. 1 Fr.	---	4740	6.98
Vidette No. 1	592	----	500.00
Vidette No. 2	2623	----	500.00
Argenta 1, C.E. Fraction	2531	----	-----
New Hope	2533	----	-----
Valley 1 and 2	2532	----	-----

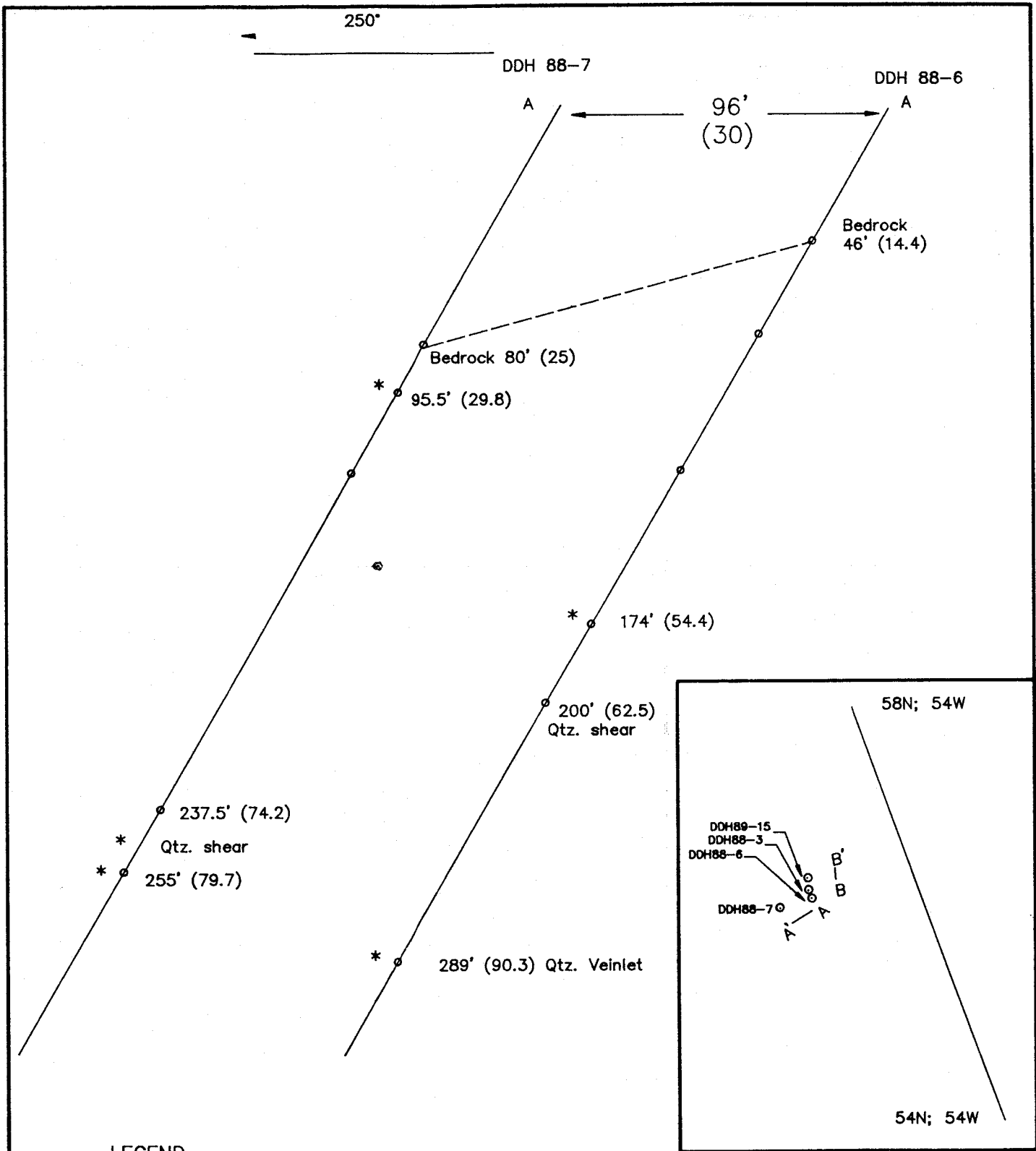
#### 5.0 PHYSIOGRAPHY AND CLIMATE

The property is centred in a valley containing Vidette Lake and the confluence of Hamilton and Coal Creeks. The valley floor is narrow and valley walls rise steeply to a plateau surface at an elevation of 1100 m with an elevation change of about 200 m. Vegetation includes stands of fir and lodgepole pine. Undergrowth is light except in portions of the valley bottom. Precipitation is relatively light and the climate is similar to that at 100 Mile House with moderate temperatures in summer and relatively cold winters. Adequate water is present for exploration and mining purposes.

#### 6.0 HISTORY

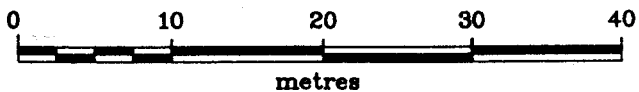
Between 1931 and 1932 the property was prospected and some 1150 feet of underground development work was done. Production began in 1933 and continued until 1940 when further financing was unavailable and the mine was abandoned. Total production was 54,199 tons of ore yielding 29,860 oz. of gold, 46,573 oz of silver, 96,619 pounds of copper and 356 pounds of lead.

Production came mainly from the Tenford-Broken Ridge vein system as well as from the Bluff, "70" and Dexheimer veins. The last work done was to crosscut under Vidette Lake to the Dexheimer vein and complete a small amount of drifting and raising in the zone.



LEGEND

128' (40m) ft (metres)  
 \* anomalous gold



**BOOKER GOLD EXPLORATION LTD.**

**VIDETTE PROPERTY**

**KAMLOOPS M.D.**

**SECTION A'-A**

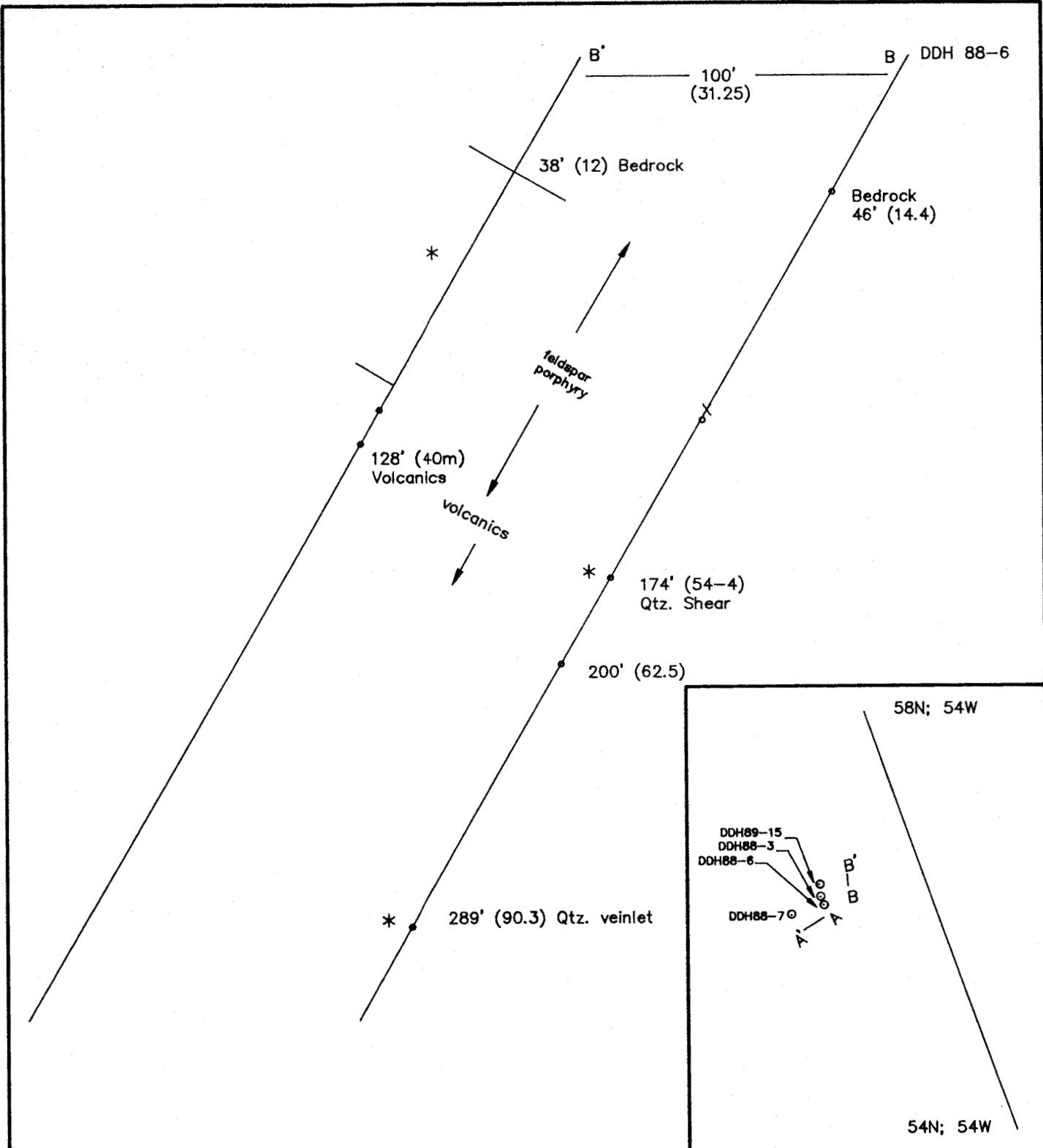
SCALE:  
1:500

DATE:  
MAR '89

N.T.S.  
92P/2W

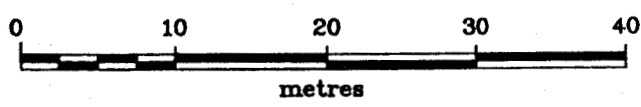
DRAWN BY:  
GEO-COMP

FIGURE: **3**



**LEGEND**

128' (40m) ft (metres)  
 \* anomalous gold



<b>BOOKER GOLD EXPLORATION LTD.</b>				
VIDETTE PROPERTY				
KAMLOOPS M.D.				
<b>SECTION B'-B</b>				
SCALE: 1:500	DATE: MAR '69	N.T.S. 92P/2W	DRAWN BY: GEO-COMP	FIGURE: 4

On the nearby Hamilton and Savona properties that adjoin the Vidette property to the northwest, underground work was carried out between 1931 and 1938. The Hamilton property was tested by 3 diamond drill holes and a long crosscut (250 m.) driven at about 248 degrees, two shorter drifts on veins and a winze sunk on the most westerly vein. Values of up to 0.56 oz/ton over 20 in. were reported (1934).

On the Savona property, a number of veins and shears were tested with open cuts, 2 connecting adits, drifting and a winze at the 3095 ft. elevation. A lower adit was driven at the 3030 level and connected to the winze from the upper level. In general, low values were reported (1936), however, a 34 in. sample taken from the collar of the winze assayed 0.62 oz/ton gold over 36 inches.

In recent years, exploration work has included various geological, geochemical and geophysical surveys which were largely carried out northwest of all the underground workings. Some diamond drilling was done as well. This work includes the following:

- 1) 1980 - A reconnaissance geochemical survey was carried out by Kerr, Dawson and Associates which covered the northwest part of the property with samples at stations 50 m apart along lines 500 m apart. Analysis was done for gold, mercury and copper and several anomalies were determined.
- 2) 1982 - A more detailed geochemical survey was carried out by Alan Reed over most of the same area and samples were analyzed for copper. Several strong copper anomalies were found.
- 3) 1983 - Some samples from the 1982 survey were analyzed for gold and reported on by J.S. Karmeen. The survey was inconclusive due to lack of key samples, but indicated one anomalous area (Figure 5). The work was done for Hawkeye Resources Ltd.
- 4) 1983 - the property was optioned to Consolidated Paymaster Resources Ltd. who drilled 3 diamond drill holes totalling 1016.8 m between the Vidette Mine and the Savona Workings. Results were largely discouraging although one quartz vein assaying 0.09 oz/ton over 0.5

meters was intersected in hole 83-2. Also, some geochemically high silver values were reported, in particular near the collar of hole 83-3, associated with a pyritic intrusive. Some geochemically anomalous copper values were also reported in this hole within and adjacent to a pyritic intrusive.

- 5) 1984 - The property was acquired by Tugold Resources Inc. which conducted geological, geochemical and VLF survey over the area northwest of the Savona Workings. The work was supervised and reported on by J. Murphy. A number of anomalies were determined (Figure 5).
- 6) 1985 - Three diamond drill holes totalling 807 feet were drilled on the southwest shore of the lake to test VLF-EM and copper soil anomalies. Results were negative.

## 7.0 REGIONAL GEOLOGY

The oldest rocks in the area are members of the Upper Triassic Nicola Group which comprises andesite flows with lesser sedimentary rocks. The Nicola Group is generally poorly exposed in the area and occurs as erosional windows within younger, flat lying mafic volcanic rocks and sedimentary rocks of Tertiary age. The Nicola Group has been intruded by a number of small to large bodies of granitic rock of Upper Triassic to Jurassic age.

### 7.1 Property Geology

The various veins and showings on the property all occur within Nicola andesites. The Nicola rocks have been intruded locally by several small feldspar porphyry bodies which are probably of syenite to monzonite composition. These intrusives carry some pyrite and are locally anomalous in gold. They may be related to the gold-bearing veins.

Extensive faulting was recorded in the mine area and faults have been grouped into 2 main sets: one set trends northwest and dips southwest and the other set trends east-west and dips northerly. Both fault sets have measured displacements ranging up to 200 ft.

Recent drilling indicates the presence of large quartz filled shears in the Hamilton-Coal Creek Valley. Anomalous gold values have been encountered and further drilling is necessary to delineate these shears and possibly locate ore-grade material. Bedrock depth is being mapped with the intention of locating eroded sulphide zones.



## 7.2 Mineralization

At the Vidette Mine, gold mineralization in the form of native gold and with tellurides occurs in well defined quartz veins associated with pyrite, lesser chalcopyrite and minor galena. The gold content is commonly high where heavy sulphides occur. One study (1936) indicated the gold was associated with chalcopyrite which was determined in polished sections to post-date pyrite. The gold-bearing quartz veins average 11 in. thick with little wall rock alteration and virtually all the gold is confined to the veins. The veins are commonly ribboned with fine graphitic partings. The average grade of the veins was reported to be a little higher than 1 oz/ton gold, however, the bulk of the production (16,500 tons) came from the Broken Ridge vein which averaged 1.6 oz/ton over 16 in.

The veins strike northwest and dip northeast at an average of 45 degrees, although there is considerable variation in the dip. Prior to faulting, the veins were fairly continuous with strike lengths up to 1200 ft. and dip lengths exceeding 1000 ft. After faulting, the strike lengths of mining blocks were up to 450 ft. while dip lengths were up to 300 ft.

## 7.3 Geochemistry

The earliest geochemical work was done in 1980 by Kerr, Dawson and Associates on lines spaced 500 m apart and with a 50 m spacing between samples. The line spacing was too great for correlation of data, but the survey did indicate a number of anomalies in copper, mercury and a few small gold anomalies. This work was done on the Vidette 1 claim. Later work by Reid, Kermeen and Murphy was more detailed and is shown on Figure . This work shows a large copper soil anomaly (+100ppm Cu) trending northwest with smaller northeast trends near the Savona workings and near the main logging road. Within this broad copper anomaly are smaller gold anomalies between the Savona Workings and the main logging road. A few spot gold highs also occur to the northwest of this area. Some high gold values also occur in bedrock samples, and one (780 ppb) is in a feldspar porphyry northwest of the Hamilton Workings.

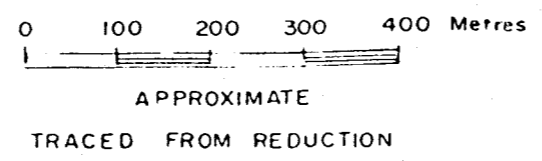
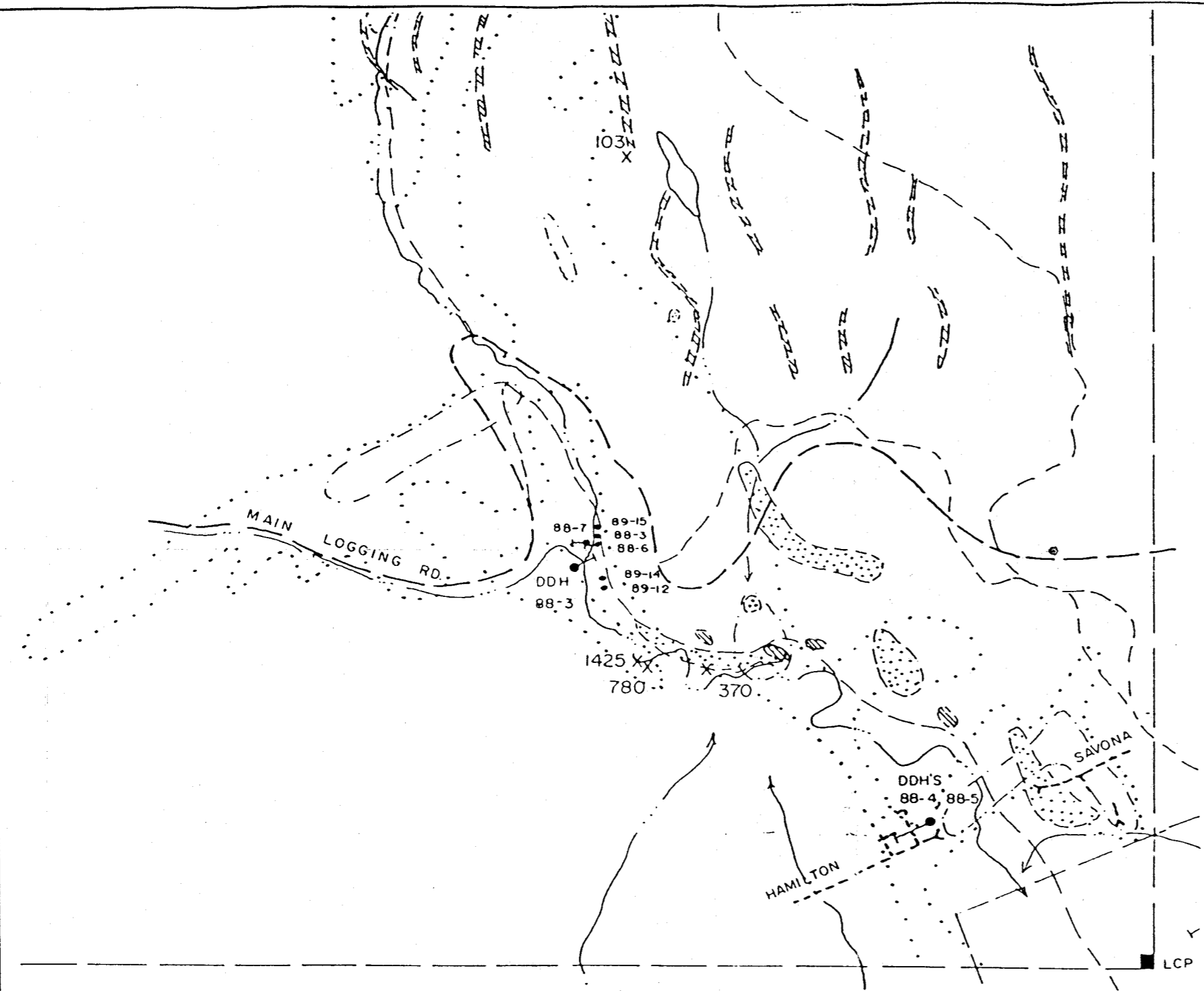
## 8.0 CONCLUSIONS

- 1) The Vidette Property is located within the Nicola volcanics with associated feldspar porphyry intrusions. There is a favourable environment for epithermal copper-gold mineralization.



LEGEND

- TENFORD (815m) VEIN, DIP, NAME AND ELEVATION IN METRES
- DIAMOND DRILL HOLE
- GEOCHEM ANOMALY IN SOIL - COPPER GREATER THAN 490 PPM
- GEOCHEM, HIGH BACKGROUND TO ANOMALOUS, COPPER GREATER THAN 100 PPM
- GEOCHEM ANOMALY IN SOIL - GOLD GREATER THAN 20 PPB
- X 1425 ANOMALOUS GOLD IN BEDROCK, VALUES IN PPB
- VLF-EM CONDUCTOR
- ADIT, UNDERGROUND WORKINGS
- ROADS, MAIN & SECONDARY
- STREAM



BOOKER GOLD EXPLORATION LTD.				
VIDETTE PROPERTY				
GREENWOOD M.D.				
<b>COMPILATION MAP</b>				
SCALE AS SHOWN	DATE MAR '89	N.T.S. 92P/2W	DRAWN BY: GEO-COMP	FIGURE: 5

- 2) As a former producer it is apparent high-grade gold mineralization exists in the system.
- 3) Narrow veins produced high grade ore. These veins are severely faulted and run parallel and sub-parallel to the Hamilton fault.
- 4) The present plan is to locate and delineate ore zones of greater widths and continuity.
- 5) Feldspar porphyry intrusives have been located in the area of present drilling. These intrusives are locally anomalous in gold and must be mapped and sampled.

9.0 RECOMMENDATIONS

- 1) The Grid must be extended to the west and all outcrops mapped and sampled.
- 2) Some experimenting should be done with VLF-EM over the Hamilton Creek Valley to check response.
- 3) A further 5,000 feet of drilling is in order to further test known quartz shears and feldspar porphyry.

9.1 Estimated cost of Proposed Phase

5,000 feet of drilling at \$25.00 per foot .....	125,000.00
Prospecting and Mapping.....	20,000.00
VLF-EM .....	10,000.00
Assaying .....	25,000.00
Management and Report .....	15,000.00
Contingency .....	20,000.00
<hr/>	
TOTAL ESTIMATED COST OF PROPOSED PHASE .....	\$ 215,000.00

10.0 REFERENCES

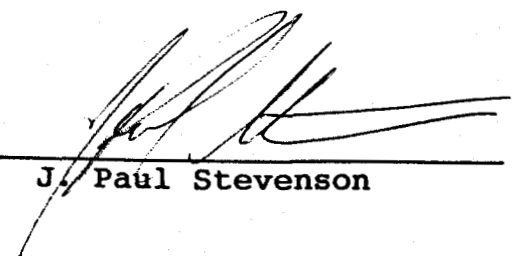
- Economic Geology; Seventy-Fifth Anniversary Volume (1981)  
Porphyry Copper Deposits, 1981; Titley and Beane
- Porphyry Deposits of the Canadian Cordillera, CIM, 1976;  
Geological Setting of Porphyry Deposits of the Canadian  
Cordillera, 1976; Ney and Hollister
- Structural Settings, 1976; Seraphim and Hollister
- Cariboo-Bell, 1976; Hodgson, Bailes and Verzosa
- Boss Mountain, 1976; Soregaroli and Nelson
- Booker Gold Explorations, 1987; Christopher
- Geological Fieldwork, 1987; B.C. Ministry of Energy, Mines and  
Petroleum Resources
- Exploration in British Columbia, 1985; B.C. Ministry of Energy,  
Mines and Petroleum Resources
- B.C. Mineral Exploration Review, 1986; B.C. Ministry of Energy,  
Mines and Petroleum Resources
- Geological Fieldwork, 1978, 1979; B.C. Ministry of Energy, Mines  
and Petroleum Resources
- Assessment Report for Tugold Resources, 1984; Murphy
- Report on the Vidette Lake Claim Group, 1988; Miller
- Summary Report on the Vidette Project, 1988; Stevenson

CERTIFICATE

I, J. Paul Stevenson, Prospector, of #303 - 475 Howe Street, in the City of Vancouver, in the Province of British Columbia, hereby certify as follows:

- 1) that I am not a Professional Engineer or Professional Geologist;
- 2) that the work covered in this report was completed under my supervision;
- 3) that I have practiced my vocation continuously since 1965 in British Columbia, the Yukon Territories, and the Southwestern United States;

Respectfully Submitted,

  
\_\_\_\_\_  
J. Paul Stevenson

APPENDIX I

ASSAY DATA

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 13 1988

DATE REPORT MAILED: Dec. 15/88..

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

SIGNED BY..... *C. Long* D. TOFF, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

J. PAUL STEVENSON & ASSOC. PROJECT VIDETTE FILE # 88-6256

SAMPLE#	Cu %	Ag OZ/T	Au OZ/T
V88-6 46-48	.01	.01	.001
V88-6 51-53	.02	.01	.001
V88-6 53-55	.01	.02	.001
V88-6 58-59	.01	.01	.001
V88-6 60-63	.01	.01	.001
V88-6 65-67	.02	.01	.001
V88-6 92.5-93	.01	.02	.001
V88-6 120	.01	.01	.001
V88-6 140-141.5	.01	.01	.001
V88-6 141.5-143	.01	.01	.001
V88-6 151.5-155.5	.01	.01	.001—
V88-6 174-176	.03	.06	.004—
V88-6 176-178	.01	.01	.002—
V88-6 178-180	.01	.01	.001—
V88-6 180-182	.02	.01	.003 -
V88-6 182-183.5	.01	.01	.001 -

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 21 1988

DATE REPORT MAILED: Dec 23/88

### ASSAY CERTIFICATE

- SAMPLE TYPE: COPE

SIGNED BY: *RS* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

STEVENSON & ASSOC. LTD. FILE # 88-6343

SAMPLE#	Cu %	Ag OZ/T	Au OZ/T
B 41801	.01	.01	.001
B 41802	.01	.02	.001
B 41803	.02	.01	.001
B 41804	.02	.02	.001
B 41805	.01	.02	.001
B 41806	.01	.02	.001
B 41807	.01	.01	.001
B 41808	.02	.03	.001
B 41809	.01	.01	.001
B 41810	.01	.01	.001
B 41811	.02	.01	.001
B 41812	.01	.02	.001
B 41813	.01	.01	.001
B 41814	.01	.01	.001
B 41815	.01	.01	.001
B 41816	.01	.01	.001
B 41817	.01	.01	.001
B 41818	.02	.02	.001
B 41819	.01	.01	.001
B 41820	.04	.02	.001
B 41821	.03	.02	.028
B 41822	.02	.01	.003
B 41823	.01	.01	.001
B 41824	.05	.03	.001
B 41825	.04	.02	.001
B 41826	.01	.01	.001
B 41827	.01	.02	.001
B 41828	.01	.04	.001



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DATE RECEIVED: JAN 25 1989

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Jan 27, 1989

### GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY *Bernard Chan* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

STEVENSON & ASSOC. LTD. PROJECT BOOKER FILE # 89-0168

SAMPLE#	Cu PPM	Ag PPM	Au* PPB
B 41829	86	.5	17
B 41830	106	.4	1
B 41831	166	.4	4
B 41832	182	.3	2
B 41833	153	.2	5
B 41834	109	.2	4
B 41835	92	.1	10
B 41836	70	.2	4
B 41837	216	.5	6
B 41838	106	.3	2
B 41839	75	.7	460
B 41840	39	.1	25
B 41841	101	.3	10
B 41842	41	.1	2
B 41843	42	.2	28
B 41844	69	.1	6
B 41845	116	.2	2
B 41846	83	.1	63
B 41847	30	.1	7
STD C/AU-R	60	7.4	520

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: FEB 14 1989

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Feb 16 1989

### GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GK SAMPLE.

SIGNED BY: *D. Toye* D. TOYE, C. LEONG, B. CHAN, J. WANG: CERTIFIED B.C. ASSAYERS

J. PAUL STEVENSON & ASSOCIATES PROJECT VIDETTE FILE # 89-0323

SAMPLE#	Cu PPM	Ag PPM	AU* PPB
U 6463	43	.2	2
U 6464	43	.1	1
U 6465	33	.1	3
U 6466	107	.1	2
U 6467	68	.1	3
U 6468	70	.2	4
U 6469	36	.1	3
U 6470	64	.2	3
U 6471	128	.2	4
U 6472	73	.1	1
U 6473	31	.2	1
U 6474	65	.1	1
U 6475	108	.1	1
U 6476	66	.2	2
U 6477	90	.3	8
U 6478	89	.3	7
U 6479	107	.2	8
U 6480	28	.1	3
U 6481	67	.1	1
STD C/AU-R	61	7.2	510

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: FEB 21 1989

DATE REPORT MAILED: Feb 24 1989

### GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 5ML 1-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE SR CA F LA CE MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GK SAMPLE.

SIGNED BY... *[Signature]* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED S.C. ASSAYERS

STEVENSON & ASSOC. LTD. PROJECT VIDETTE FILE = 89-0394

SAMPLE#	Cu PPM	Ag PPM	Au* PPB
B 41851	32	.2	24
B 41852	37	.2	36
B 41853	14	.1	50
B 41854	21	.1	17
B 41855	17	.1	9
B 41856	16	.1	18
B 41857	32	.1	14
B 41858	56	.1	97
B 41859	15	.1	20
R 41860	38	.1	56
B 41861	10	.2	132
B 41862	40	.1	65
B 41863	12	.1	350
B 41864	14	.1	13
B 41866	18	.1	14
B 41867	11	.1	4
B 41868	26	.1	12
B 41869	63	.1	95
B 41870	26	.1	35
B 41871	25	.1	105
B 41872	21	.1	11
B 41873	32	.1	52
B 41874	16	.1	18
B 41875	22	.1	21
B 41876	18	.1	9
B 41877	12	.1	10
B 41878	28	.1	160
B 41879	11	.1	27
B 41880	12	.1	10
B 41881	15	.1	69
B 41882	8	.1	22
B 41883	9	.1	9
B 41884	13	.1	11
B 41885	25	.1	1
B 41886	15	.1	14

ACME ANALYTICAL LABORATORIES LTD. DA RECEIVED: FEB 21 1989  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Feb. 27/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: ROCK

SIGNED BY..... D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

STEVENSON & ASSOC. LTD. PROJECT VIDETTE FILE # 89-0395

SAMPLE#	Cu %	Ag OZ/T	Au OZ/T
B 41888	.03	.01	.001
B 41889	.02	.01	.001
B 41890	.04	.01	.001
B 41891	.45	.02	.001
B 41892	.09	.01	.001

1 FT = 30.5 cm

DIAMOND DRILL LOG

HOLE No. 89 - 12

Page 1 of 1

Property Vidette	NTS 92P2W	Claim	Elevation	Azimuth SW	Length	Dip 750
Coordinates 55 + 75N 54 + 80W	Dip Tests	Advance	Depth	Date Collared Jan 14 '89	Date Completed	
Purposes to intersect and test HAMILTON FAULT			Drilled by Grizzly Drilling	Assays by Acme	Logged by JPS	

Interval From	To	Recy %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Cu	Ag	Au
						From	To				
20	22	100		boulders, andesite, granite, Qtz shear				BQ			
22	60	"		dark green fine granite, andesite, epidote							
49½	60	"		broken across and lengthwise, same as above							
61	63	"		ribbons of qtz, some Py lengthwise along core							
63	69½	"		1" qtz filled shear at 66½ limonite (red) on shears							
69½	81½	"		qtz ribbons along length, Py							
81½	84½	"		ap, CaCO <sub>3</sub> , py							
84½	89½	"		" "							
89½	94½	"		" "							
94½	99½	"		" "							
99½	104½	"		" epidote							
104½	109½	"		" "							
109½	110	"		small 1cm calcite stronger							
110	115½	"		ap small 2cm Qtz stronger sampled py 2cm	6470				64	.2	3
115½	121½	"		"							
121½	126½	"		"							
126½	131	"		epidote ap							
131	135	"		" py							
135	140	"		limonite, hematite red on fractures							
140	145	"		ap							
150	155	"		"							
155	160	"		"							
160	162	"		"							
162	167	"		"							
167	172	"		"							
172	194	"		Broken stained epidote							
195	197	"		sampled py and epidote	6471				128	.2	4
214	217	"		sampled shear	6469				36	.1	3
217	221	"		sampled shear	6468				70	.2	4
245	247	"		" " Peldager P	6467				68	.1	3
226	229	"		F.P. with Qtz veinlets at 229 sampled	6465				33	.1	3



1 FT = 30.5 cm

### DIAMOND DRILL LOG

HOLE No. 89 - 15

Page 1 of 2

Property Vidette		NTS		Claim Vidette		Elevation		Azimuth 270		Length		Dip 60			
Coordinates				Dip Tests				Advance		Depth		Date Collared		Date Completed	
Purposes test feldspar porphyry, intersect fault				Drilled by Grizzly Drilling				Assays by Acme				Logged by JPS			
Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	ppm Cu	ppm Ag	ppb Au				
From	To					From	To								
36'	38'			broken core rounded leached volcanic reddish	41851			BQ	32	.2	24				
38	40			leached grey matrix Kspar phy py	41852				37	.2	36				
40	42			maybe some chales " " " " darker matrix	853				14	.1	50				
42	44			as above	854				21	.1	17				
44	46			as above	855				17	.1	9				
46	48			leached, extensive py to 57' lighter matrix	856				16	.1	18				
48	50			" " light coloured phenocrysts	857				32	.1	14				
50	52			sausseritized (green) feldspar py	858				56	.1	97				
52	54				859				15	.1	20				
54	56				860				38	.1	56				
56	58				861				10	.2	132				
58	60			Calcite very light matrix kspat leached rusty	862				40	.1	65				
60	63			felsitix rusty sections of greenish felds porph	863				12	.1	350				
63	66			dark matrix py kspar green-blue felds pheno	864				14	.1	13				
66	69			" more kspar	865										
69	73			poor recovery, As py in porphyry	866				18	.1	14				
73	76			kspar porph small SiO2 veinlets, some blue-green pheno	867				11	.1	4				
76	79			white leached feldspar	868				26	.1	12				
79	82			" " " kspar 80' qtz veinlet py epidote As	869				63	.1	95				
82	84			kspar porph with py	870				26	.1	35				
84	87			lenatite blocks, fine grained f.p. green sl	871				25	.1	105				
87	88			6" Qtz with " " " greenish py in f.p.	872				21	.1	11				
88	91			f.p., epidote, py	873				32	.1	52				
91	94			" " " kspar some white	874				16	.1	18				
94	97			" " " "	875				22	.1	21				
97	100			" " " "	876				18	.1	9				
100	103			" " " ↓ with py	877				12	.1	10				
103	106			" " " 105 greenish felsite dikepy	878				28	.1	160				
106	109			black matrix kspar phy py	879				11	.1	27				
109	112			" " " "	880				12	.1	10				
112	115			" " " "	881				15	.1	69				
115	118			" " " "	882				8	.1	9				





1 FT = 30.5 cm

DIAMOND DRILL LOG

HOLE No. 88-6

Page 1 of 2

Property		BOOKER GOLD EXPLORATIONS		NTS		Claim		Elevation		Azimuth 250		Length 302'		Dip 60	
Coordinates 56 +50N + 55W				Dip Tests				Advance		Depth		Date Collared		Date Completed	
Purposes test Hamilton fault								Drilled by GRIZZLY				Assays by ACME		Logged by JPS	
Interval		Recy %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Cu %	Ag oz/ton	Au oz/ton				
From	To					From	To								
46'	48'			Bedrock green augite porphyry Ca, dess, py				BQ	.01	.01	.001				
48	51			" N.S.											
51	53			A.P. (Augite porph.) Qtz stringers some py broken					.02	.01	.001				
53	55			less py					.01	.02	.001				
55	58			" N.S.					.01	.01	.001				
58	59			Qtz tibbons, Ca, py					.01	.01	.001				
60	63			extensive Ca					.01	.01	.001				
65	67			Qtz					.02	.01	.001				
70	90			Blocky, Some Ca, hemotite stain pn fractures, some epidote											
92.5	93			qtz, py, epidote, Kspar in qtz					.01	.02	.001				
123	134			extensive hemotite stain on vertical fractures											
120				1 1/2" qtz stringer					.01	.01	.001				
140	141.5			epidote, py, hematite					.01	.01	.001				
141.5	143			Kspar, porphyry, py, qtz veinlets					.01	.01	.001				
151.5	155.5			qtz, Ca stringers, py					.01	.01	.001				
157	168			qtz stringers, py											
168	174			lighter coloured A.P. breaks cleanly into shear											
174	176			qtz filled shear, py, some specs chalco					.03	.06	.004				
176	178			" " "					.01	.01	.002				
178	180			" " "					.01	.01	.001				
180	182			" " "					.02	.01	.003				
182	183.5			" " "					.01	.01	.001				
183.5	185.5			qtz micro veinlets, silicious andesite					.01	.01	.001				
185.5	187.5			3 1/2" veins, 1/2" veins, py chlorite					.01	.02	.001				
187.5	188.5			silicious andesite, hematite, py 2" vein					.02	.01	.001				
188.5	190			hematite in qtz stringers					.02	.02	.001				
190	192			chlorite, slickenside, qtz, py					.01	.02	.001				
192	195			" " " "					.01	.02	.001				
195	200			" " " "					.01	.01	.001				
200	205			less qtz, small stringers					.02	.03	.001				
206	209			qtz, hemotite veinlets, py					.01	.01	.001				
210	212			" " " "					.01	.01	.001				



1 FT = 30.5 cm

DIAMOND DRILL LOG

HOLE No. 88-7

Page 1 of 1

Property		Coordinates		Purposes		Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Assays by ACME		
BOOKER GOLD EXPLORATION		Vidette Project		check Hamilton fault		From	To					From	To		Cu	Ag	Au
NTS		Vidette Project		check Hamilton fault		80	95.5			broken A.P. Bedrock N.S.				BQ			
Claim Vidette		Dip Tests		Dip Tests		95.5	97.5			blebs of Py, Ca A.P.					.02	.01	.003
Elevation		Advance		Advance		97.5	124			A.P. N.S.							
Azimuth 250		Depth 262'		Depth 262'		124	126			spec of chalco at 124', qtz stringers, blebs of Py, epidote frag.					.01	.01	.001
Length 262'		Date Collared		Date Collared		124	134			ap							
Dip 60		Date Completed		Date Completed		134	137			epidote, Py-dess & blebs on fractures, hematite					.05	.03	.001
Drilled by GRIZZLY		Assays by ACME		Assays by ACME		137	139			epidote on qtz stringers Py					.04	.02	.001
Logged by JPS		Assays by ACME		Assays by ACME		139	165.5			AP, hematite, Ca					PPM	PPM	PPB
		Assays by ACME		Assays by ACME		165.5	168			qtz filled shear py graphite?	B41829				86	.5	17
		Assays by ACME		Assays by ACME		168	206			A.P. broken							
		Assays by ACME		Assays by ACME		206	209			hematite stain, epidote fragments, some py	30				106	.4	1
		Assays by ACME		Assays by ACME		209	211			slickensides, kaolin alteration, qtz, y, py	31				166	.4	4
		Assays by ACME		Assays by ACME		211	213			" " " " "	32				182	.3	2
		Assays by ACME		Assays by ACME		213	215			" " " " "	33				153	.2	5
		Assays by ACME		Assays by ACME		215	217			" " " " "	34				109	.2	4
		Assays by ACME		Assays by ACME		217	219			" " " " " + hematite stain	35				92	.1	10
		Assays by ACME		Assays by ACME		219	220			" " " " "	36				70	.2	4
		Assays by ACME		Assays by ACME		220	229			A.P., py, hematite stain on fractures							
		Assays by ACME		Assays by ACME		229	230.5			py epidote fine grained greensone	37				216	.5	6
		Assays by ACME		Assays by ACME		230.5	237.5			A.P.							
		Assays by ACME		Assays by ACME		237.5	239			Qtz filled light green volc py on fractures	38				106	.3	2
		Assays by ACME		Assays by ACME		239	241			same "	47				30	.1	7
		Assays by ACME		Assays by ACME		241	243			"	39				75	.7	460 * * *
		Assays by ACME		Assays by ACME		243	245			"	40				39	.1	25
		Assays by ACME		Assays by ACME		245	247			"	41				101	.3	10
		Assays by ACME		Assays by ACME		247	249			"	42				41	.1	2
		Assays by ACME		Assays by ACME		249	251			"	43				42	.2	28
		Assays by ACME		Assays by ACME		251	253			"	44				69	.1	6
		Assays by ACME		Assays by ACME		253	255			"	45				116	.2	2
		Assays by ACME		Assays by ACME		255	256.5			foliated	46				83	.1	63
		Assays by ACME		Assays by ACME		256.5	262			very broken hole squeezing end of hole							