

**PROSPECTING REPORT  
ON THE  
DH CLAIMS**

**093710**

**Watson Lake Mining District, Y.T.  
NTS 105H/7  
(61°17'30"N, 128°36'30"W)**

**for**

**FINLAYSON JOINT VENTURE (FJV) INC.**  
502 - 475 Howe Street  
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(604)681-1568

**by**

**CARL G. VERLEY, P.Geo.**  
**Amerlin Exploration Services Ltd.**  
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Richmond, B.C. V6V 1R1  
(604)821-1088

**August, 1997**

**CLAIMS:** DH 1 - 24  
**LOCATION:** 137 kilometres north of Watson Lake, Yukon  
**DATE:** September 10 and 17, 1996.



017800

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 \$ 2400.00.

*M. B. B.*

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

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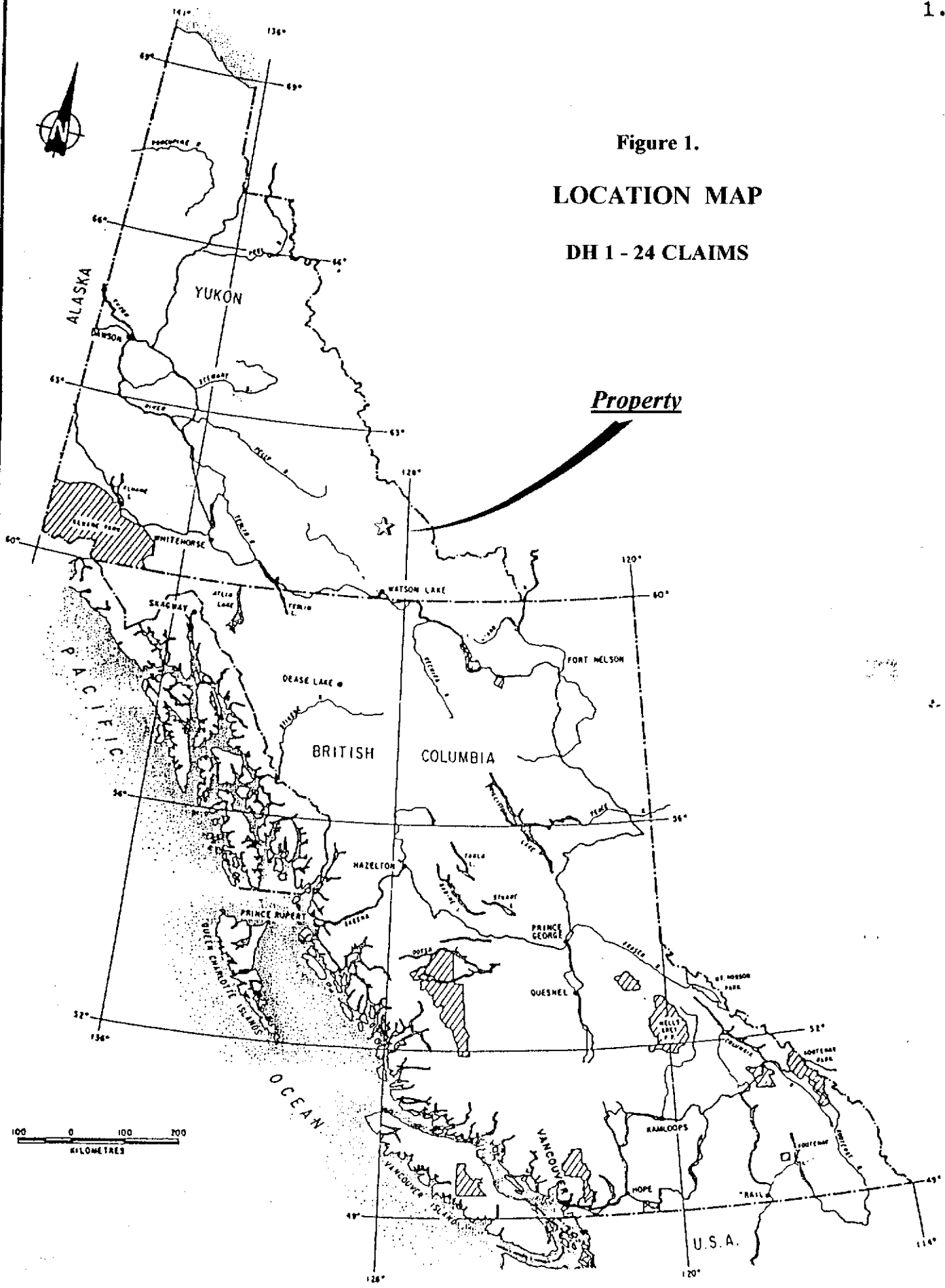
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Figure 1.  
LOCATION MAP  
DH 1 - 24 CLAIMS



## SUMMARY

Finlayson Joint Venture (FJV) Inc. owns 24 contiguous mineral claims centered 137 kilometres north of Watson Lake, in the Pelly Mountains, Watson Lake Mining District (105H/7), Yukon Territory. The property is accessible by helicopter.

The ground is situated in an area where a large roof pendant of metamorphosed Upper Cambrian metasediments lies on top of Cretaceous to Tertiary (?) age granodiorite.

There is little record or evidence of work by previous mineral tenure holders on this ground.

During the 1996 field season prospecting and stream silt sampling were conducted on the claims. The results of this work did not indicate that potentially economic concentrations of mineralization occur on the claims.

Respectfully submitted,  
**Amerlin Exploration Services Ltd.**

*Carl G. Verley*  
 Carl G. Verley, P. Geo.



Richmond, B.C.  
 August 20, 1997.

## **INTRODUCTION**

This report describes the results of a work program supervised by the writer for Finlayson Joint Venture (FJV) Inc. on September 10 and 17, 1996. The object of this work was to prospect the property.

## **LOCATION**

The claims are centered 137 kilometres north of Watson Lake in the Logan Mountains, Watson Lake Mining District, Y.T. at latitude  $61^{\circ}17'30''\text{N}$  and longitude  $128^{\circ}36'30''\text{W}$ . This property is situated on map-sheet 105H/7. Physiographically the ground lies in relatively steep alpine terrain, near the head of Conglomerate Creek. Elevations range from 1260 to just over 1700 metres above sea level.

## **ACCESS**

The property is best accessed by helicopter from Watson Lake. A 4x4 passable bulldozer trail from the Cantung Highway leads to within 3 kilometres of the DH claims.

## **HISTORY**

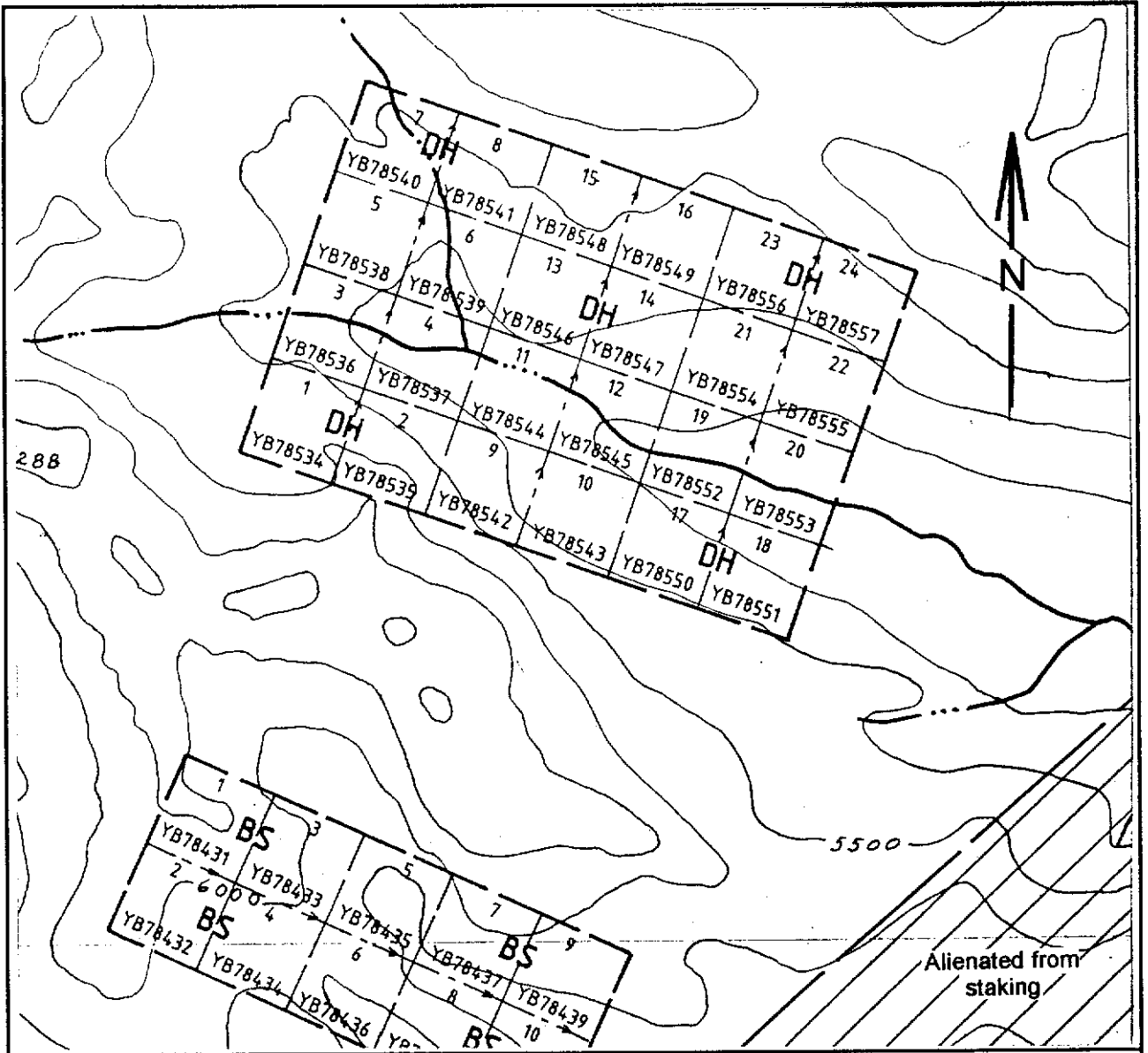
There are no records of exploration work that being conducted directly on the area underlain by the DH claims.

## PROPERTY

Finlayson Joint Venture (FJV) Inc. has 100% ownership of 24, full sized mineral claims, located in 1 contiguous block as tabulated below and illustrated on Figure 2. The claims are located in the Mount Billings area, Watson Lake Mining District, Y.T. (NTS 105H/7).

**Table 1. MINERAL CLAIMS**

<b>Claims</b>	<b>Grant Numbers</b>	<b>Expiry Date</b>
DH 1 to 24	YB78534-YB78557	March 06/1997

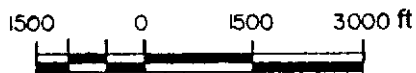


**FINLAYSON JOINT VENTURE (FJV) INC.**

**CLAIM MAP  
DH 1-24 Claims**

**Tyers River Area  
Watson Lake Mining District, Yukon  
NTS 105H/7**

Scale 1:31,680



**Figure 2.**

## GEOLOGY

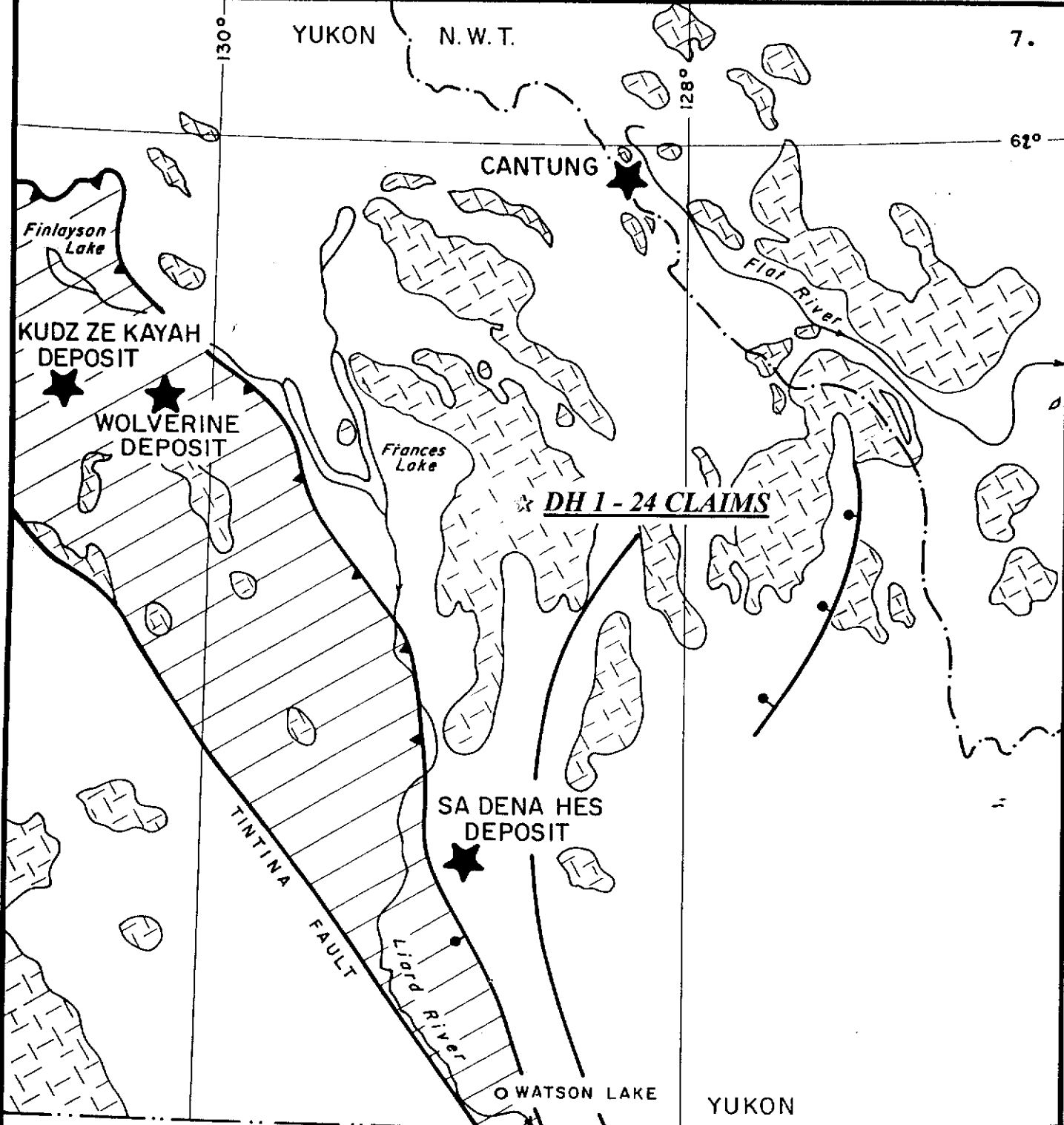
### **Regional:**


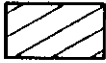
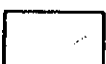
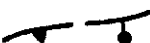
The property is situated in the northern extension of the Omineca belt east of the Tintina fault zone. Regionally, the area is characterized by a succession of Paleozoic sediments - fine clastics and carbonates - that were probably derived from and deposited onto ancestral North America at or near the transition from platform carbonates to the east and basinal shales to the west. Numerous post accretionary, Cretaceous to Tertiary age, plutons intrude this succession (Wheeler et al., 1989). This plutonism has produced variable degrees of regional and contact metamorphism throughout the area, resulting in the development of a variety of mineral deposits.

### **Property:**

The DH claims are underlain by a sequence of predominantly quartz-feldspar-mica gneisses and schists with minor marble and skarn bands of Cambrian and/or earlier in age, that dip gently to the west (Blusson, et. al., 1966). This sequence is overlain by weakly metamorphosed Devonian-Mississippian age shales and argillaceous limestone. The succession of metamorphic and sedimentary rocks is intruded by granitic rocks of the Mount Billings batholith. These granitic rocks are of Cretaceous to Tertiary (?) age and vary from quartz monzonites to granodiorites.

During the 1996 field season the contact between the granitic and metamorphic rocks was examined at the west end of the property. In addition, a series of stream silt samples were collected from creeks draining the claim area. Results of the silts sampling (Appendix A) do not appear to reflect potential mineralization.



- MID-CRETACEOUS - TERTIARY (?)
-  SYN - AND POST-TECTONIC GRANITIC INTRUSIVES
- PALEOZOIC
-  YUKON - TANANA TERRANE METASEDIMENTS AND VOLCANICS MAY INCLUDE SOME SLIDE MT. TERRANE
- PRECAMBRIAN - PALEOZOIC
-  ANCESTRAL NORTH AMERICA SEDIMENTS
-  THRUST AND NORMAL FAULTS

GEOLOGICAL SETTING

DH 1 - 24 CLAIMS

YUKON TERRITORY



FIGURE 3

## CONCLUSIONS

Finlayson Joint Venture has tenure to 24 mineral claims located in 1 contiguous block in the Mount Billings area, Watson Lake Mining District, Yukon. The claims are situated 137 kilometres north of Watson Lake. Access is by helicopter.

The property is underlain by a succession of regionally and contact metamorphosed Cambrian or earlier to Devono-Mississippian sediments. This package of rocks has been intruded Cretaceous age granitic rocks of the Mount Billings pluton.

Results of stream silt sampling conducted during the 1996 field season do not appear to reflect mineralization. Therefore, no further work is recommended on this property.

## REFERENCES

- Blusson, S.L., E.F. Roots, L.H. Green, J.A. Roddick, 1966: Geology Map of Frances Lake, Yukon, Geol. Surv. Can. Map 6-1966.
- Wheeler, J.O. and A.J. Brookfield, H. Gabrielse, J.W.H. Monger, H.W. Tipper, G.J. Woodsworth, 1989: Terrane Map of the Canadian Cordillera, Geol. Survey of Canada, O.F. 1894.

**APPENDIX A**  
**GEOCHEMICAL DATA**

## GEOCHEMICAL ANALYSIS CERTIFICATE

## AMERLIN EXPLORATION

Project:

Report No. 9611914

Sample Type: Silts

Date: September 30, 1996

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.

\*Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

ELEMENT SAMPLE	Pb ppm	Zn ppm	Ag ppm	Au ppb	Cu ppm	Mo ppm	W ppm	As ppm	Sb ppm	Bi ppm	Cd ppm	Mn ppm	Fe %	Ni ppm	Co ppm	Cr ppm	V ppm	Sr ppm	La ppm	Ba ppm	Na %	K %	Ca %	Al %
DHS-1	63	229	0.7	1	35	3	2	3	2	2	2.0	674	2.79	18	9	18	66	125	22	98	0.04	0.15	1.69	4.45
DHS-2	26	794	0.7	2	116	11	2	6	2	2	9.2	1553	4.72	90	24	40	93	77	18	141	0.02	0.23	0.79	3.17
DHS-3	21	631	0.9	6	100	15	2	6	2	2	6.5	1027	5.50	87	14	45	108	86	17	110	0.03	0.21	1.04	3.20
DHS-4	22	143	0.3	2	21	1	2	3	2	3	0.7	349	1.79	11	4	10	39	96	21	53	0.03	0.16	1.44	2.62
DHS-5	16	217	1.3	2	27	4	2	2	2	2	2.3	531	2.38	24	5	14	47	99	15	43	0.04	0.14	1.41	2.75
DHS-6	15	128	0.3	1	29	2	13	2	2	2	0.9	462	2.32	13	5	11	47	70	15	35	0.02	0.12	0.76	1.75
DHS-7	15	140	0.3	3	13	2	2	2	2	3	0.7	466	2.18	14	6	11	45	77	29	38	0.02	0.13	0.87	1.86
DHS-8	36	163	0.4	1	8	1	2	2	2	2	0.9	333	1.83	5	4	9	23	25	16	31	0.01	0.13	0.45	1.13
DHS-9	22	110	0.3	1	7	1	2	2	2	3	0.6	381	1.95	9	3	10	36	53	17	35	0.02	0.13	0.59	1.43
DHS-10	23	73	0.3	1	5	1	2	2	2	2	0.4	494	2.11	4	4	5	40	55	34	62	0.02	0.11	0.92	1.98

**APPENDIX B**  
**PERSONNEL**

## PERSONNEL

C.G. Verley, P.Geol. 2150 - 1851 Savage Road Richmond, B.C. V6V 1R1	Project Geologist
Peter Roman 4040 St. Paul's Avenue North Vancouver, B.C. V7N 1T5	Prospector
Bill Preston Kamloops, B.C	Prospector
Yasu Hashimoto New Denver, B.C.	Prospector
Harry Melnichuk Enderby, B.C.	Cook
Steven Stanley Watson Lake, Yukon	Helicopter Pilot

**APPENDIX C**  
**WRITER'S CERTIFICATE**

# AMERLIN EXPLORATION SERVICES LTD.

2150 - 1851 Savage Road, Richmond, B.C. V6V 1R1 Tel/Fax (604) 821-1088

## WRITER'S CERTIFICATE

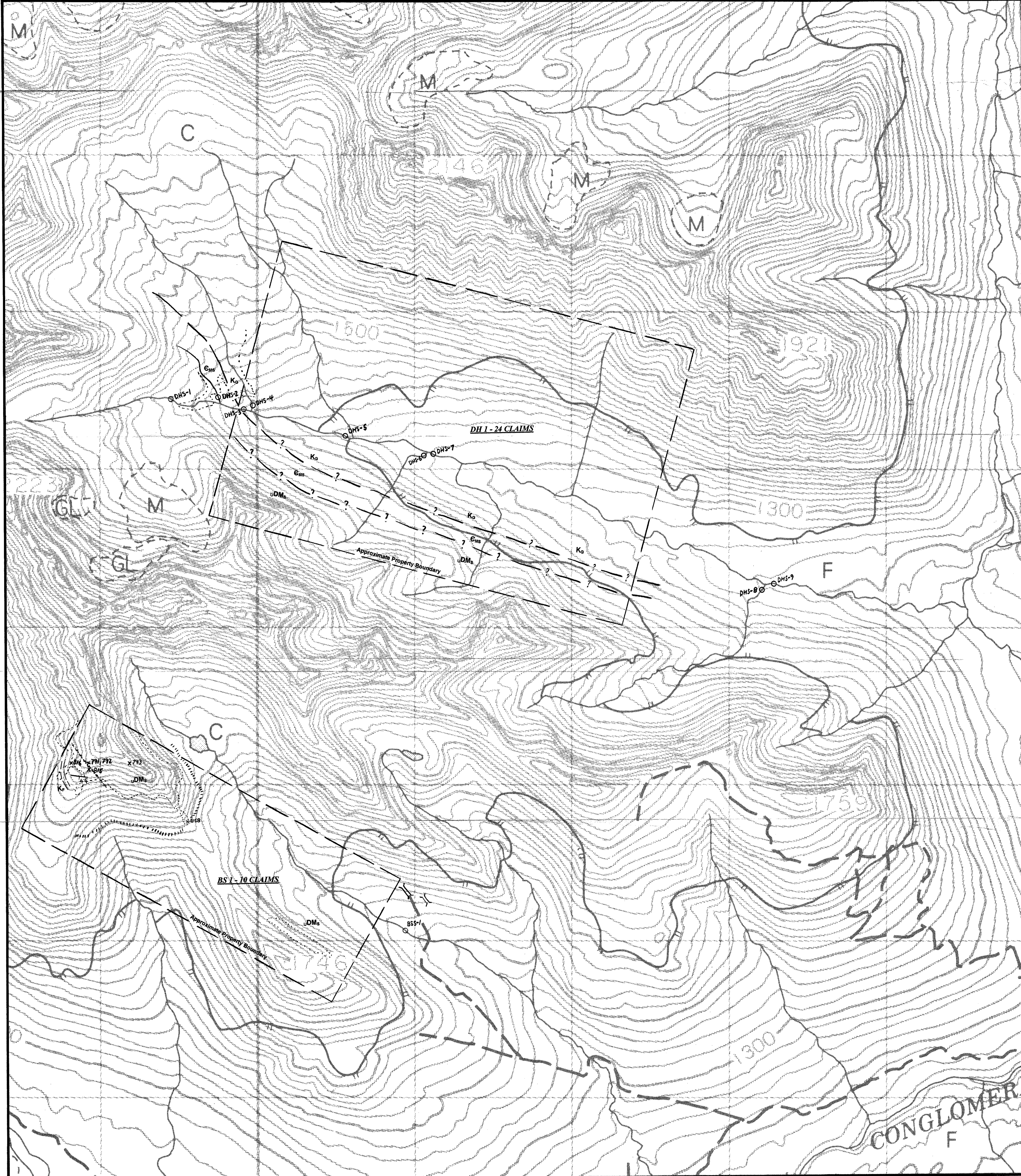
I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

1. I am a geologist with business office at 2150 - 1851 Savage Road, Richmond, B.C.
2. I am a graduate of the University of British Columbia, B.Sc. in 1974, and have practiced my profession since that time.
3. I am a registered member of the Association of Professional Engineers and Geoscientists of the Province of B.C.
4. I am the author of this report which is based on field work I supervised on the DH claims during the period on September 10 and 17, 1996.

**Amerlin Exploration Services Ltd.**

*Carl G. Verley*  
PROFESSIONAL  
PROVINCE  
OF  
C. G. VERLEY  
BRITISH  
COLUMBIA  
GEOLOGICAL  
SCIENTIST

August 20, 1997.  
Richmond, B.C.



**LEGEND**

- K<sub>c</sub> Mid-Cretaceous to Tertiary (?): quartz monzonite to granodiorite.  
K<sub>f</sub> - felsite dyke.
- uDMs Devon-Mississippian: Carbonaceous shales and limestone.
- C<sub>ms</sub> Cambrian or earlier (?): metasediments: schist.
- Outcrop
- Lithologic contact: definite, inferred.
- Fault
- Bedding attitude
- x 850 Rock Sample, see Appendix A for analytical and assay data.
- DHS-1 Stream silt sample, see Appendix A for analytical data.
- Old bulldozer trenches

Note: Contours in metres, interval: 20 m.  
Magnetic declination: 29°31'E (1996)  
Topography from Energy, Mines & Resources Canada maps 105H/7

093710  
DWG 1

FINLAYSON JOINT VENTURE (FJV) INC.

**GEOLOGY & SAMPLE LOCATION PLAN**

**BS 1-10 & DH 1-24 CLAIM GROUPS**

Tyers River Area  
Watson Lake Mining Division, Y.T.  
NTS 105H/7

