

**PROSPECTING REPORT  
ON THE  
BS CLAIMS**

093707

**Watson Lake Mining District, Y.T.  
NTS 105H/7  
(61°16'N, 128°38'W)**

**for**

**FINLAYSON JOINT VENTURE (FJV) INC.  
502 - 475 Howe Street  
Vancouver, B.C. V6C 2B3  
(604)681-1568**

**by**

**CARL G. VERLEY, P.Geo.  
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2150 - 1851 Savage Road  
Richmond, B.C. V6V 1R1  
(604)821-1088**

**August 1997**

**CLAIMS:** BS 1 - 10  
**LOCATION:** 135 kilometres north of Watson Lake, Y.T.  
**DATE:** September 4 & 10, 1996.



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 \$ 1000.00.

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

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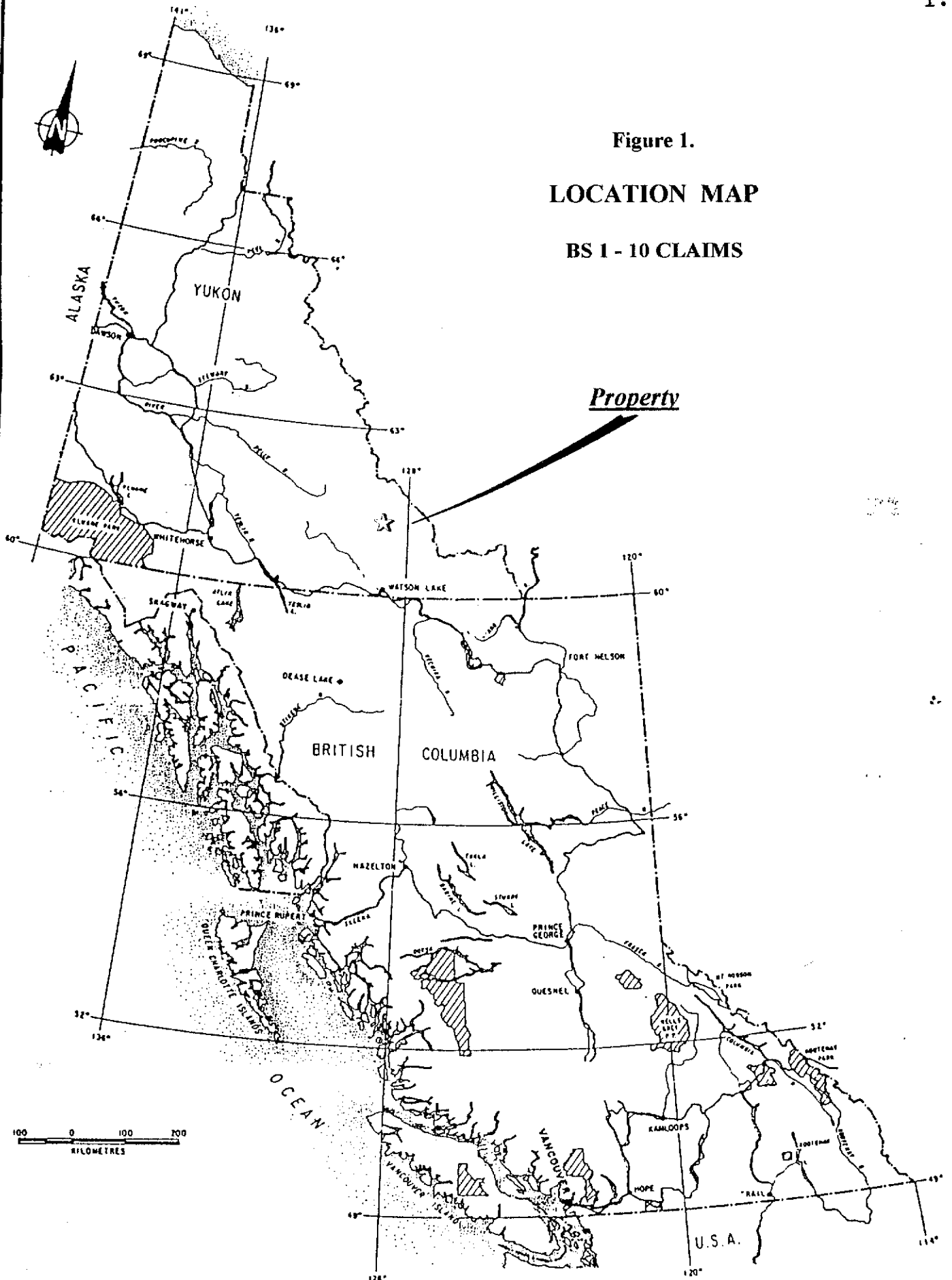
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Figure 1.  
LOCATION MAP  
BS 1 - 10 CLAIMS



## SUMMARY

Finlayson Joint Venture (FJV) Inc. owns 10 mineral contiguous claims centered 135 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 underlain by Cambrian to Devono-Mississippian metasediments. This succession is situated within a large roof pendant underlain by Cretaceous age granodiorite.

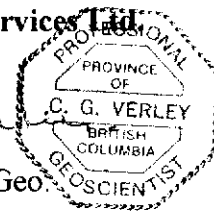
Previous mineral tenure holders conducted a variety of exploration work in the area from the late 1960's to early 1980's. This work included ground geophysical surveys, soil geochemical surveys and trenching.

Work conducted during the 1996 field season consisted of prospecting and rock sampling. Results of this work located a shear zone mineralized with galena, sphalerite and minor chalcopyrite. The best sample of this material assayed 3.99% Pb, 1.38% Zn and 1.28 oz/t Ag.

No further work is warranted on these claims at the present time.

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 prospecting program supervised by the writer for Finlayson Joint Venture (FJV) Inc. on September 4 and 10, 1996. The object of this work was to examine known mineral occurrences on the property and to prospecting the ground around these showings in order to assess the mineral potential of the claims.

## **LOCATION & ACCESS**

The claims are centered 135 kilometres north of Watson Lake in the Logan Mountains, Watson Lake Mining District, Y.T. at latitude 61°16'N and longitude 128°38'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 2000 metres above sea level.

The property is best accessed by helicopter from Watson Lake. A 4x4 passable bulldozer trail to the BS claims leads out to the Cantung Highway.

## **HISTORY**

The area underlain by the BS claims was first acquired by Fort Steele Mines Ltd. in 1968 as the ELSA claims. Limited hand trenching and geochemical sampling was conducted by Fort Steel in that year. In 1970, Welland Consolidated Mining Ltd. staked the ACE claims adjacent to the Elsa group. Then in 1972, Dusty Mac Mines Ltd. restaked the Elsa group as the MAR claims and undertook mapping and sampling of the property. Welland Consolidated optioned the Mar group to Pan Ocean Oil Ltd. that year. Pan Ocean then staked adjoining WO claims and conducted mapping and soil sampling programs over the claim groups. In 1973 Dual Resources Ltd. restaked the Ace claims. In 1974 the Ace claims were restaked as the ECL claims first by Denu Mine and Development Ltd. Then by Tandem Resources Ltd. Dual Resources

conducted a limited program of magnetometer and geochemical surveys on the ECL claims during 1974 (Hings, 1975). In 1977, Canada Tungsten Mining Corp. restaked the Mar and Wo groups as the SCHEE claims. Also in that year Turner-Hindmarsh Tungsten Ltd. acquired the Schee claims from Canada Tungsten and added the INN claims to the south. In 1979, Majestic Mining Corp. acquired the Schee claims and performed trenching on the property. Then in 1981 J.C. Turner acquired the Schee claims and sold a 10% interest in the Inn claims to Vancliffe Resources Corp.

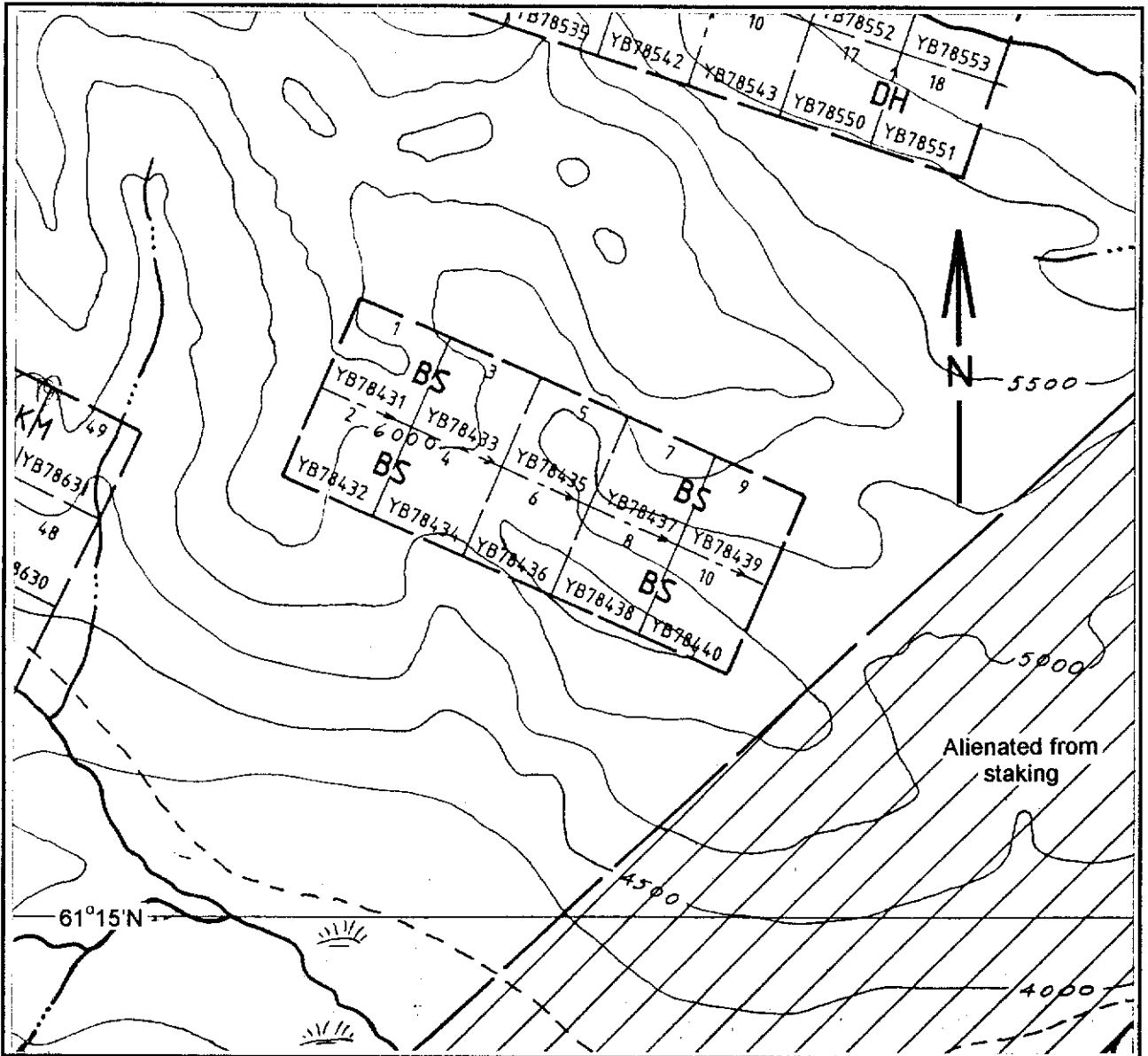
The areas underlain by the BS group subsequently came open for staking in the late 1980's and were recently staked for Finlayson Joint Venture (FJV) Inc.

## PROPERTY

Finlayson Joint Venture (FJV) Inc. has 100% ownership of 10, 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> |
|---------------|----------------------|--------------------|
| BS 1 to 10    | YB78431-YB78440      | March 05/1997      |

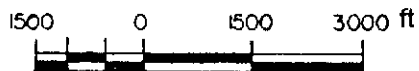


**FINLAYSON JOINT VENTURE (FJV) INC.**

**CLAIM MAP  
BS 1-10 Claims**

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

Scale 1:31,680



**Figure 2.**

## GEOLOGY

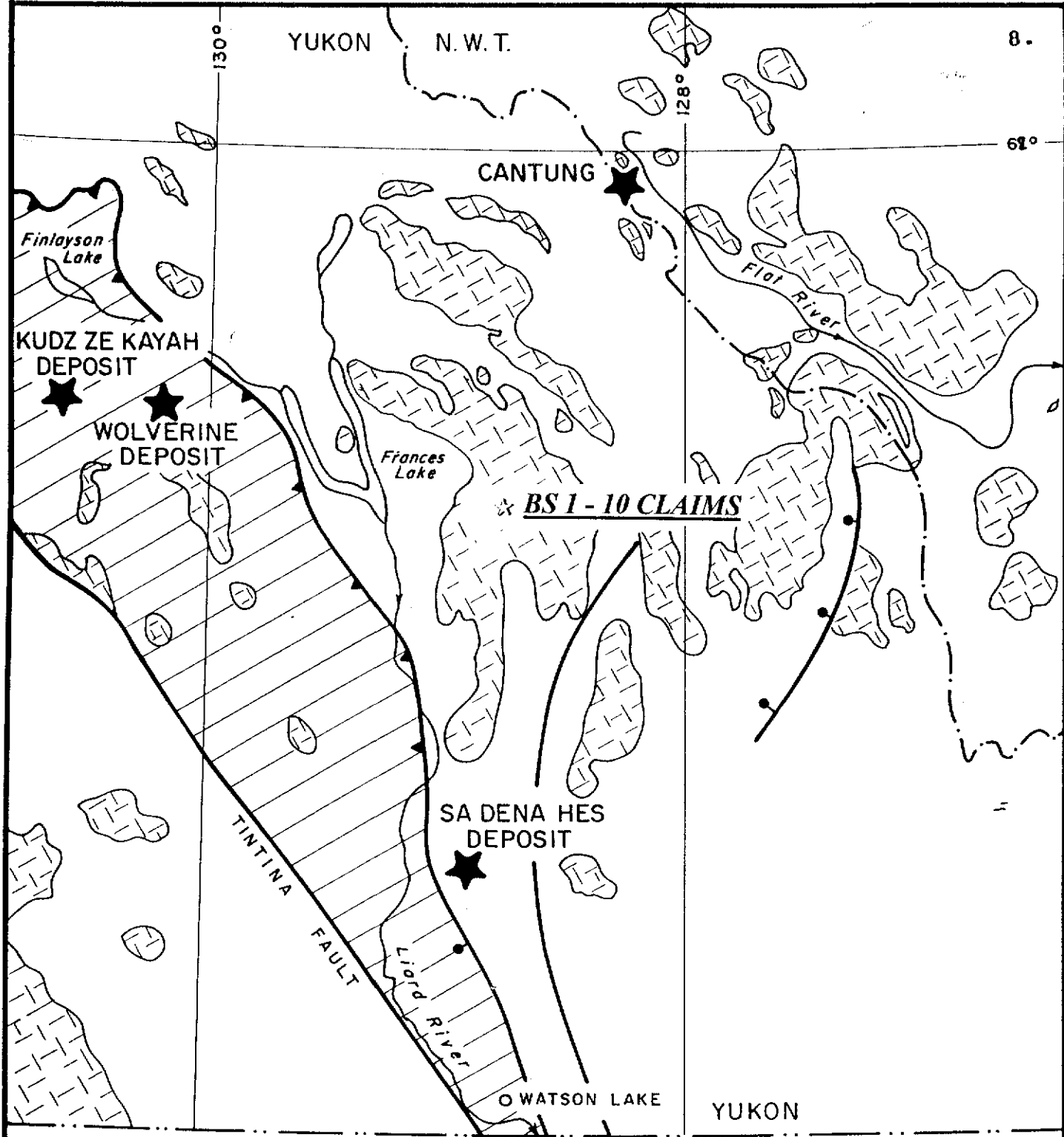
### **Regional:**

The property is situated in the northern extension of the Omineca belt east of the Tintina fault zone (Figure 3). 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). On the BS claims the succession of sedimentary rocks is situated as an roof pendant surrounded by Cretaceous age granitic rocks of the Mount Billings batholith (Blusson, et. al., 1966). 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 BS claims are underlain by a succession of Upper Devonian to Mississippian age carbonaceous shale and interbedded argillaceous limestones that dip moderately to the south. Felsite dykes intrude the sediments on the western part of the property.


During the 1996 field season prospecting located a narrow shear zone (1 metre wide) in limestone near the upper part of the Devono-Mississippian section which contained minor sphalerite, galena and chalcopyrite. Grab samples from this zone (#793) assayed up to 3.99% Pb, 1.38% Zn, 1.28 oz/t Ag and 3059 ppm Cu. Limonitic envelopes occur around a feldspar porphyry



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**

**BS 1 - 10 CLAIMS**

YUKON TERRITORY



**FIGURE 3**

dyke located in one area. Grab samples (858) of this material were not anomalous in metals. A complete listing of the analytical results is found in Appendix A. Sample locations are plotted on Plate 1.

The results of the prospecting suggest that mineralization located in those areas examined is subeconomic under present market conditions. Therefore, no further work is recommended on this property at the present time.

## CONCLUSIONS

Finlayson Joint Venture has tenure to 10 mineral claims located in 1 contiguous block in the Mount Billings area, Watson Lake Mining District, Yukon. The claims are situated 135 kilometres north of Watson Lake. Access is by helicopter.

The property is underlain by a succession of Devono-Mississippian sediments. This package of rocks is situated in part of a large roof pendant underlain by Cretaceous age granitic rocks of the Mount Billings pluton.

Results of a prospecting program on the property located a shear containing minor lead-zinc-copper-silver mineralization.

No further work is recommended on the property at the present time.

## 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.
- Hings, D.L., 1975: Report on Geophysical and Geochemical Surveys on the ECL and SUZANNE Claim Groups for Dual Resources Ltd. DIAND assessment report no. 061239.
- 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**

### Rock Sample Descriptions

| Sample No. | Location     | Description   |
|------------|--------------|---|
| 791        |              | Chips from outcrop in southerly trending shear zone in argillaceous limestone<br>Sample contains minor PbS & ZnS. |
| 792        |              | Chips from outcrop 5 m east of #791, contains malachite stain (?).  |
| 793        |              | Chips of rusty shale with PbS (?).  |
| 815        | 1930 m elev. | Chips from outcrop of rusty weathering black shales (uDMs)  |
| 816        | 1925 m elev. | Chips from outcrop of pale grey, laminated. argillaceous limestone.   |
| 858        |              | Chips across 2 m gossanous exposure of felsite; contains py/po.   |

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TELEPHONE (604) 522-3830

## GEOCHEMICAL ANALYSIS CERTIFICATE

## AMERLIN EXPLORATION

Project:

Report No. 9621913

Sample Type: Rocks

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.

| SAMPLE NO.          | 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 % |
|---------------------|--------|--------|--------|---------|--------|--------|-------|--------|--------|--------|--------|--------|------|--------|--------|--------|-------|--------|--------|--------|------|------|------|------|
| 791                 | 209    | 689    | 0.8    | 12      | 23     | 5      | 2     | 13     | 2      | 3      | 2.8    | 691    | 4.32 | 9      | 4      | 110    | 50    | 70     | 12     | 100    | 0.07 | 0.40 | 0.73 | 1.19 |
| 792                 | 26573  | 15311  | 30.5   | 8       | 3059   | 4      | 39    | 2      | 14     | 59     | 61.4   | 2684   | 3.51 | 6      | 1      | 82     | 23    | 38     | 6      | 8      | 0.01 | 0.01 | 3.56 | 1.52 |
| 793                 | 22940  | 12490  | 41.3   | 10      | 16     | 8      | 2     | 2      | 11     | 97     | 26.6   | 1505   | 2.97 | 25     | 8      | 113    | 60    | 33     | 5      | 82     | 0.01 | 0.01 | 1.01 | 1.17 |
| 815                 | 128    | 244    | 0.8    | 1       | 38     | 8      | 2     | 10     | 2      | 2      | 1.0    | 279    | 3.25 | 45     | 7      | 148    | 134   | 85     | 15     | 349    | 0.16 | 0.29 | 1.17 | 3.46 |
| 816                 | 21     | 74     | 0.3    | 1       | 4      | 3      | 2     | 2      | 4      | 2      | 1.0    | 560    | 1.13 | 7      | 1      | 64     | 15    | 150    | 12     | 131    | 0.44 | 0.02 | 6.97 | 4.84 |
| 858                 | 34     | 49     | 0.7    | 38      | 94     | 5      | 3     | 2      | 3      | 2      | 0.4    | 140    | 7.35 | 9      | 26     | 21     | 50    | 104    | 18     | 24     | 0.10 | 0.07 | 2.73 | 3.04 |
| <b>Silt Sample:</b> |        |        |        |         |        |        |       |        |        |        |        |        |      |        |        |        |       |        |        |        |      |      |      |      |
| BSS-1               | 52     | 113    | 0.3    | 2       | 17     | 1      | 2     | 4      | 2      | 4      | 0.8    | 433    | 2.43 | 14     | 9      | 18     | 57    | 56     | 28     | 62     | 0.06 | 0.19 | 1.02 | 2.41 |

**APPENDIX B**  
**PERSONNEL**

## PERSONNEL

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

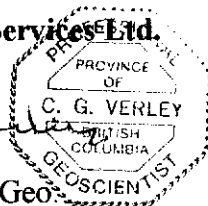
I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

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 BS claims on September 4 and 10, 1996.

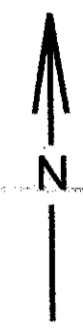
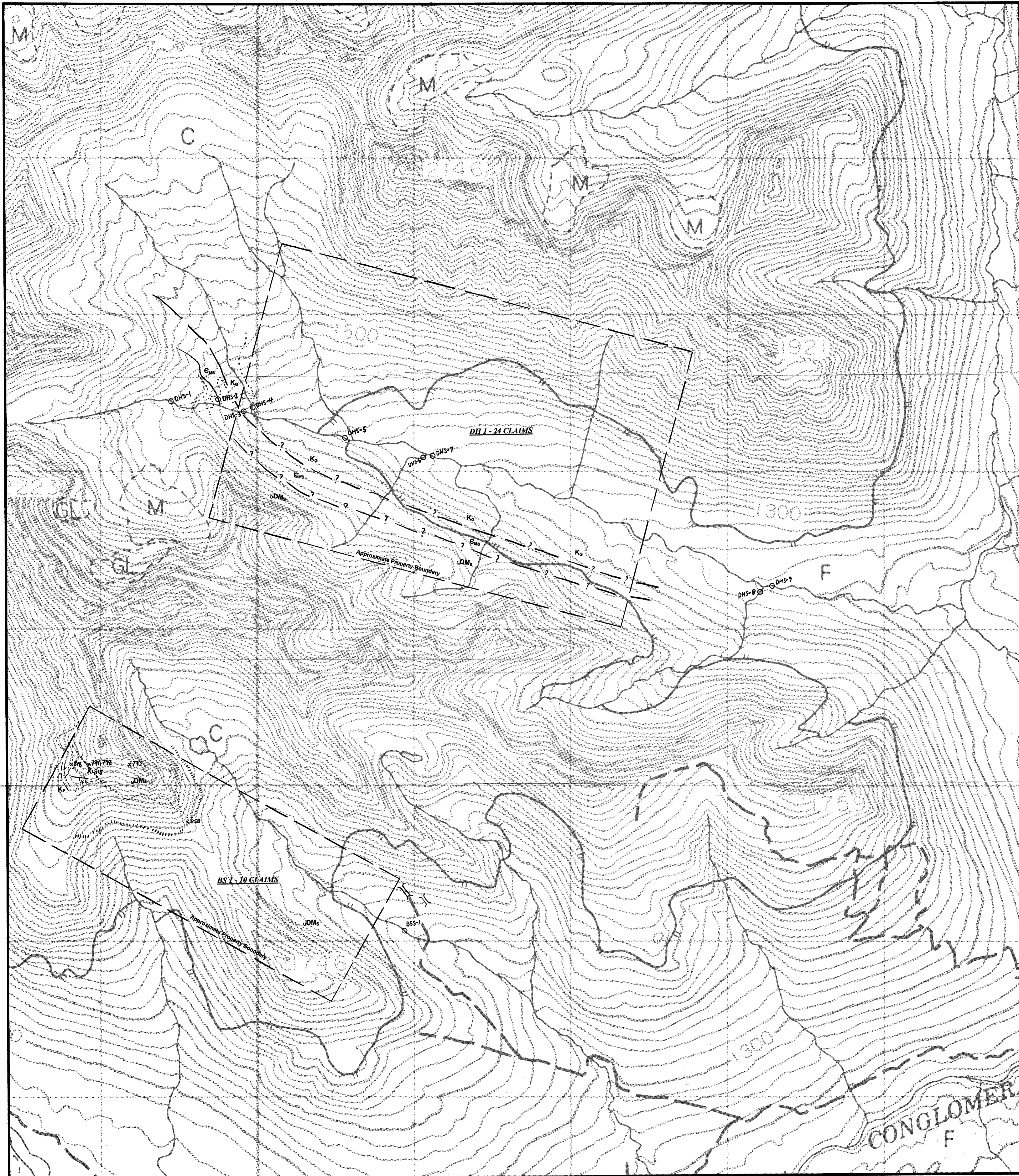
**Amerlin Exploration Services Ltd.**

*Carl G. Verley*

Carl G. Verley, P. Geo.



August 20, 1997.  
Richmond, B.C.



**LEGEND**

- K<sub>c</sub> Mid-Cretaceous to Tertiary (?): quartz monzonite to granodiorite.  
K<sub>c</sub> - felsite dyke.
- uDMs Devon-Mississippian: Carbonaceous shales and limestone.
- E<sub>ms</sub> Cambrian or earlier (?): metasediments: schist.
- Outcrop
- Lithologic contact: definite, inferred.
- Fault
- Bedding attitude
- x 859 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 (1998)  
Topography from Energy, Mines & Resources Canada maps 105H/7

093707

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

