

**PROSPECTING REPORT  
ON THE  
TR CLAIMS**

093706

**Watson Lake Mining District, Y.T.  
NTS 105H/8  
(61°30'N, 128°35'W)**

**for**

**FINLAYSON JOINT VENTURE (FJV) INC.**  
502 - 475 Howe Street  
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(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:** TR 1 - 16  
**LOCATION:** 161 kilometres north of Watson Lake, Y.T.  
**DATE:** September 27, 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 \$ 1600.00.

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

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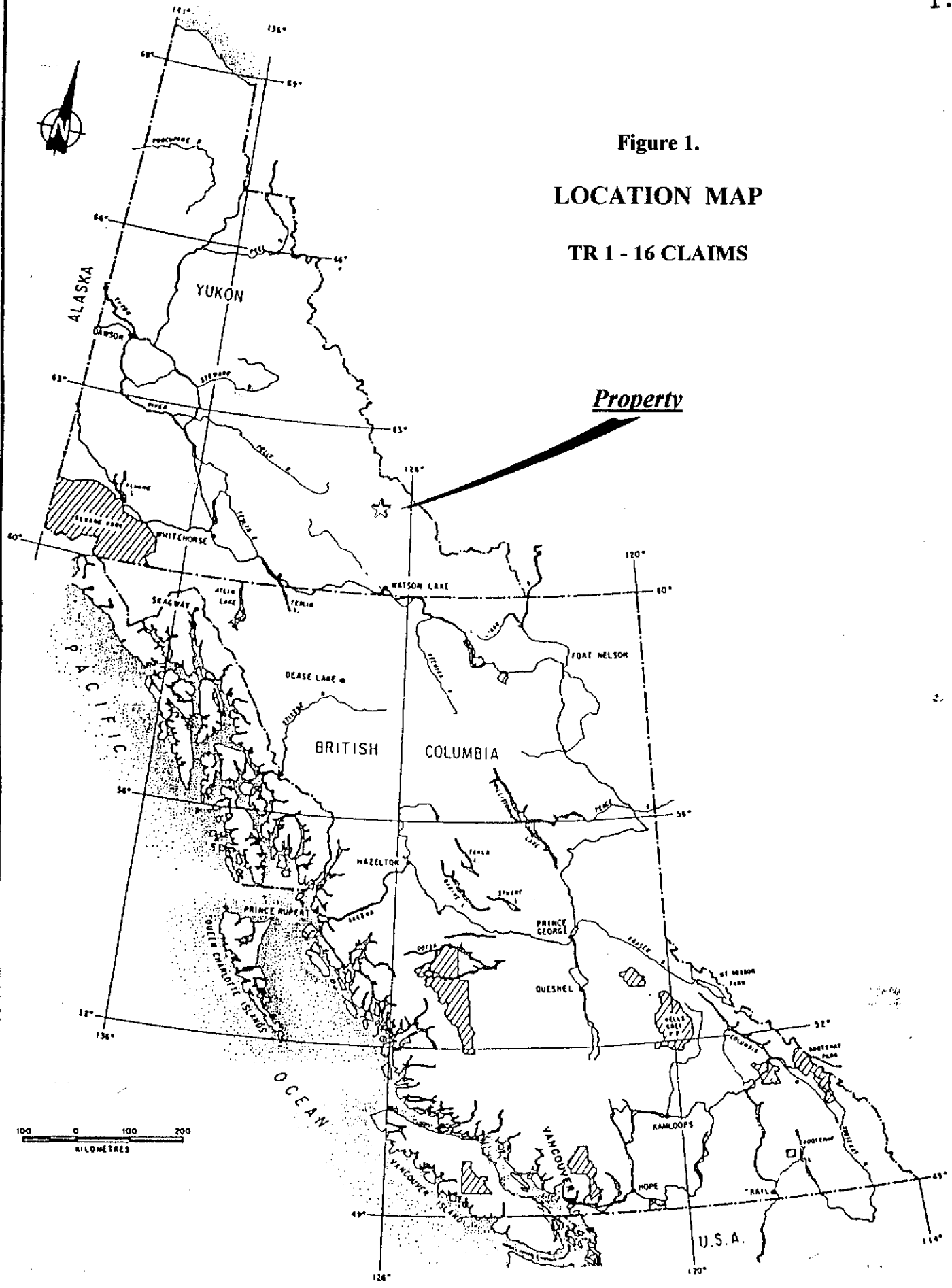
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Figure 1.  
LOCATION MAP  
TR 1 - 16 CLAIMS



## SUMMARY

Finlayson Joint Venture (FJV) Inc. owns 16 mineral contiguous claims centered 161 kilometres north of Watson Lake, in the Pelly Mountains, Watson Lake Mining District (105H/8), Yukon Territory. The property is accessible by helicopter.

The ground is situated in an area that is underlain by schists and gneisses that have been derived from Cambrian and earlier (?) age sediments. Cretaceous age granitic intrusive crop out to the north of the property and probably underlie it. Previous mineral tenure holders conducted preliminary exploration work in the area from the 1960's to 1980's. This work consisted of soil geochemical surveys and prospecting.

During the 1996 field season prospecting was conducted on the claims. The results of this work located a 1 metre wide skarn band enclosed in schist that was slightly anomalous in gold (230 ppb).

Respectfully submitted,

**Amerlin Exploration Services Ltd.**

*Carl G. Verley*

Carl G. Verley, P. Geo.



Richmond, B.C.  
August 23, 1997.

## **INTRODUCTION**

This report describes the results of a work program supervised by the writer for Finlayson Joint Venture (FJV) Inc. on September 27, 1996. The object of this work was to prospect the property.

## **LOCATION & ACCESS**

The claims are centered 161 kilometres north of Watson Lake in the Logan Mountains, Watson Lake Mining District, Y.T. at latitude 61°30'N and longitude 128°35'W. These property is situated on map-sheet 105H/8. Physiographically the ground straddles forested valley sides and relatively steep alpine terrain, just to the east of Tyers River. Elevations range from 1500 to just over 1700 metres above sea level.

The property is best accessed by helicopter from Watson Lake.

## **HISTORY**

The area underlain by the TR claims was first acquired in 1963 by the Norquest Joint Venture as the HELEN claims and then abandoned. In 1981, Vancliffé Resources Corp. restaked the ground also as the HELEN claims. Vancliffé optioned the claims to Eclipse Mining Corp. In 1986, Eclipse is reported to have established a grid on the claims. There are no reports of the results of work conducted on the property, although a "showing " is reported to occur in Cambrian or older quartz-feldspar-mica schist and gneiss.

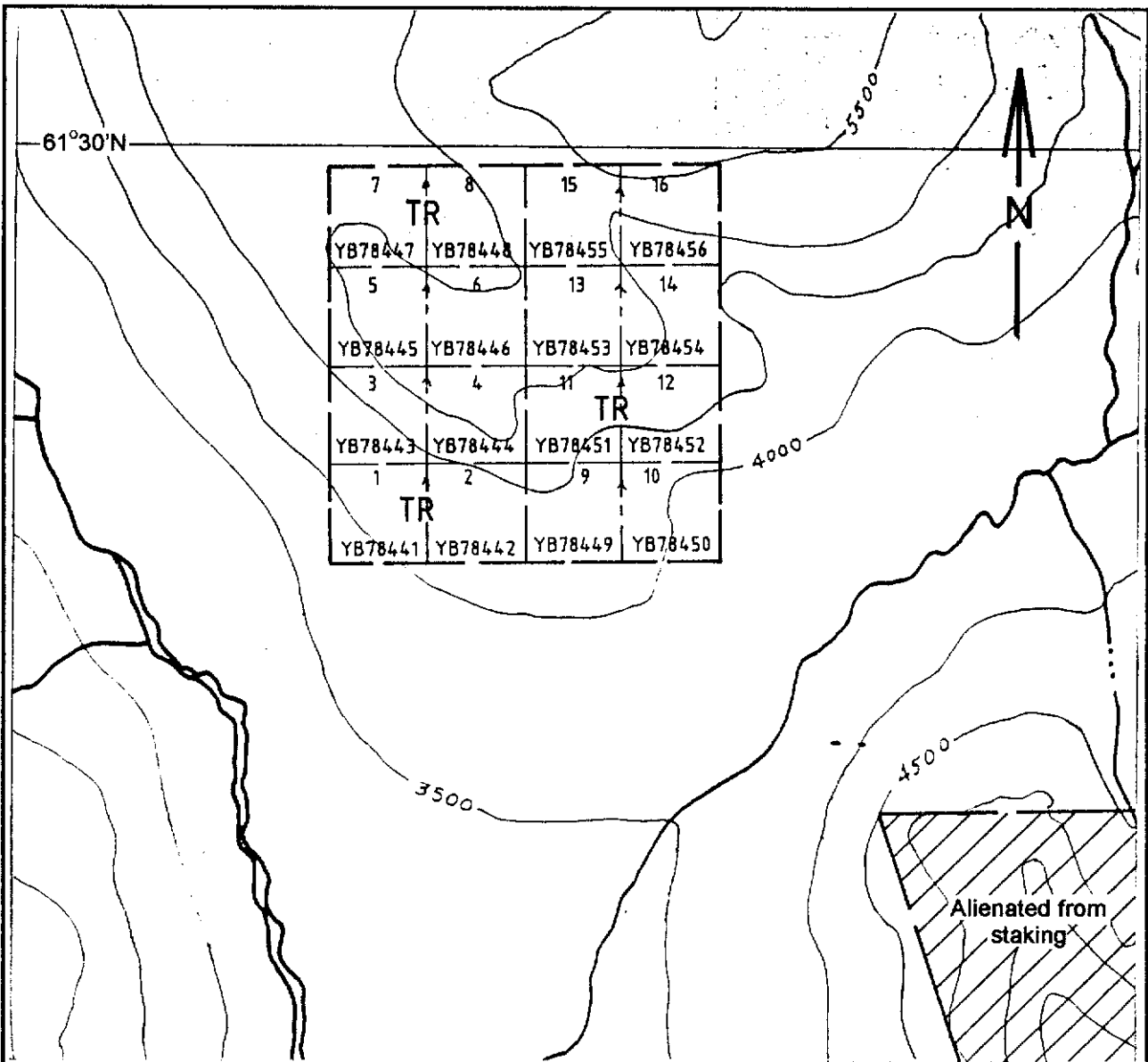
**PROPERTY**

Finlayson Joint Venture (FJV) Inc. has 100% ownership of 16, full sized mineral claims, located in 1 contiguous block as tabulated below and illustrated on Figure 2. The claims are located in the Tyers River area, Watson Lake Mining District, Y.T. (NTS 105H/8).

**Table 1. MINERAL CLAIMS**

<b>Claims</b>	<b>Grant Numbers</b>	<b>Expiry Date*</b>
TR 1 to 16	YB78441-YB78456	March 05/1998

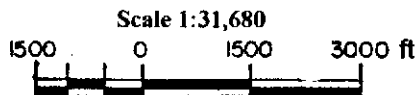
\*Pending acceptance of assessment work.



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

**CLAIM MAP  
TR 1-16 Claims**

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



**Figure 2.**



## GEOLOGY

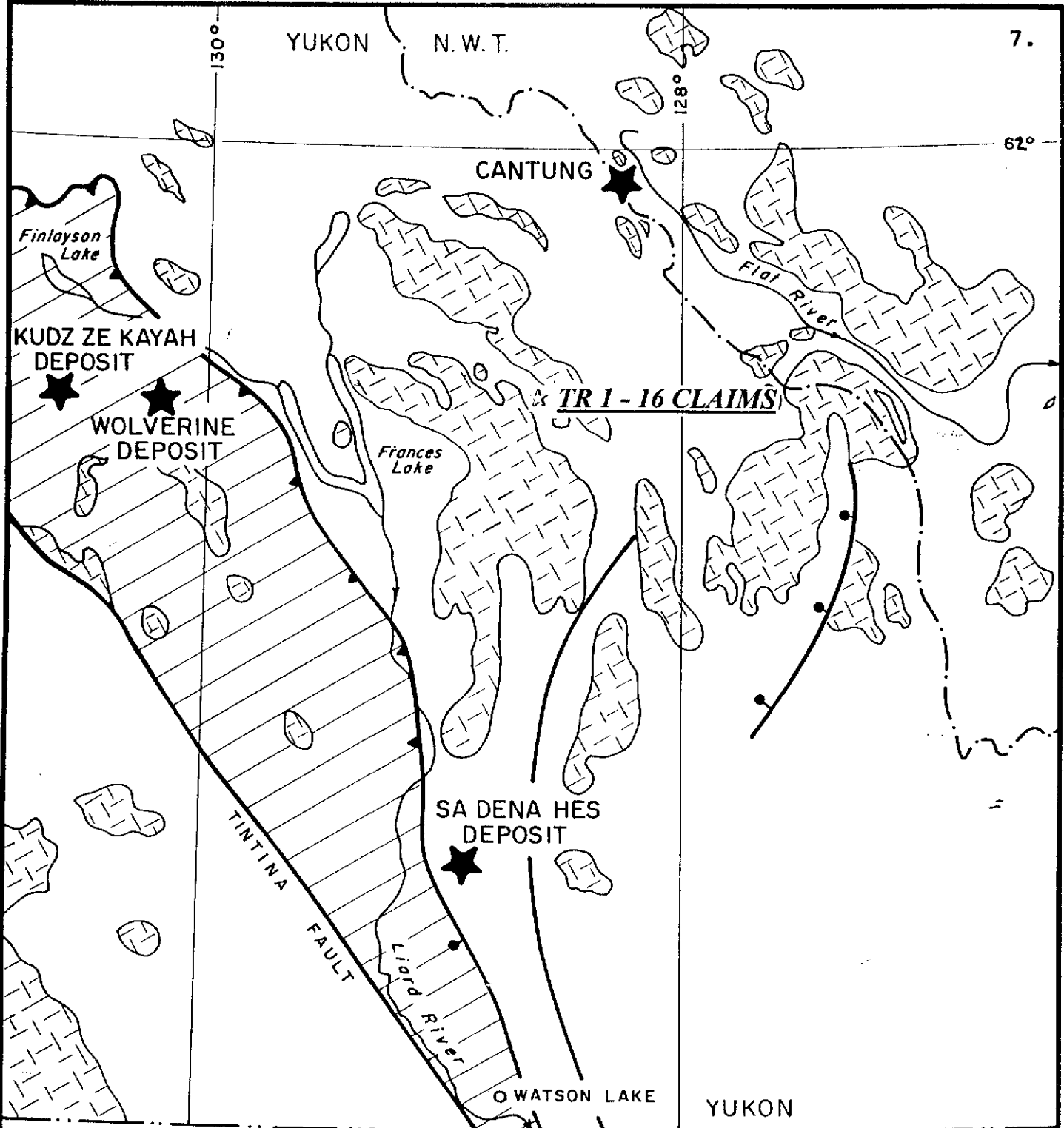
### **Regional:**

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.

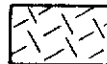
### **Property:**

The TR 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 moderately to the east-southeast. Aplite, pegmatite and numerous small granitic sills and apophyses occur within the metamorphic package.

During the 1996 field season prospecting located several, narrow (to 2 metres thick) limestone lenses on the property. Locally, weak quartz diopside skarn is developed along the contacts of the limestone bands. One pegmatitic dyke appeared to have a trace of malachite stain. Rock samples were collected from these zones; the analytical results are found in Appendix A. In particular, one limonitic band, approximately 1 metre wide, was found to be slightly anomalous in gold (sample #768; 230 ppb Au).



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

### TR 1 - 16 CLAIMS

YUKON TERRITORY



FIGURE 3

## CONCLUSIONS

Finlayson Joint Venture has tenure to 16 mineral claims located in 1 contiguous block in the Tyers River area, Watson Lake Mining District, Yukon. The claims are situated 161 kilometres north of Watson Lake. Access is by helicopter.

The property is underlain by a succession of regionally metamorphosed Cambrian or earlier sediments. This package of rocks has been intruded numerous granitic dykes and sills.

Prospecting during the 1996 field season located only slightly anomalous gold values associated with a narrow skarn band. 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**

Sample	
No.	Description
765	Weak quartz-diopside skarn band ~1 m thick
766	Weak calc-silicate band ~3 m thick product of regional metam. ?
767	Pegmatitic granite dyke in schist - trace malachite stain?
768	Geothite/jarosite in biotite schist/skarn band approximatel 1 m wide.

## GEOCHEMICAL ANALYSIS CERTIFICATE

## AMERLIN EXPLORATION

Project:

Report No. 9621891

Sample Type: Rocks

Date: September 11, 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	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	Tb ppm	Sr ppm	La ppm	Ba ppm	Na %	K %	Ca %	Al %	Mg %	Ti %
765	17	74	0.3	1	15	1	3	2	2	2	0.2	132	0.87	23	8	27	9	8	722	38	10	0.34	0.06	6.94	4.14	0.12	0.06
766	20	69	0.3	1	12	2	2	2	2	2	0.2	280	0.95	29	6	60	12	8	319	30	11	0.26	0.04	5.96	2.25	0.24	0.07
767	54	121	0.6	1	69	2	4	2	2	2	0.7	383	3.02	13	6	45	12	11	321	32	57	0.12	0.08	3.93	4.84	0.32	0.06
768	80	43	1.0	230	187	1	48	2	3	86	0.2	178	11.68	6	5	74	28	10	191	22	5	0.14	0.03	1.14	2.48	0.31	0.09

**APPENDIX B**  
**PERSONNEL**



## **PERSONNEL**

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Project Geologist

Bradley Hashimoto  
New Denver, B.C.

Prospector

Steven Stanley  
Watson Lake, Yukon

Helicopter Pilot  
TNTA

**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

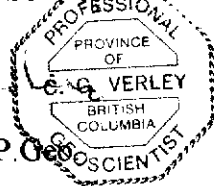
I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

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 TR claims on September 27, 1996.

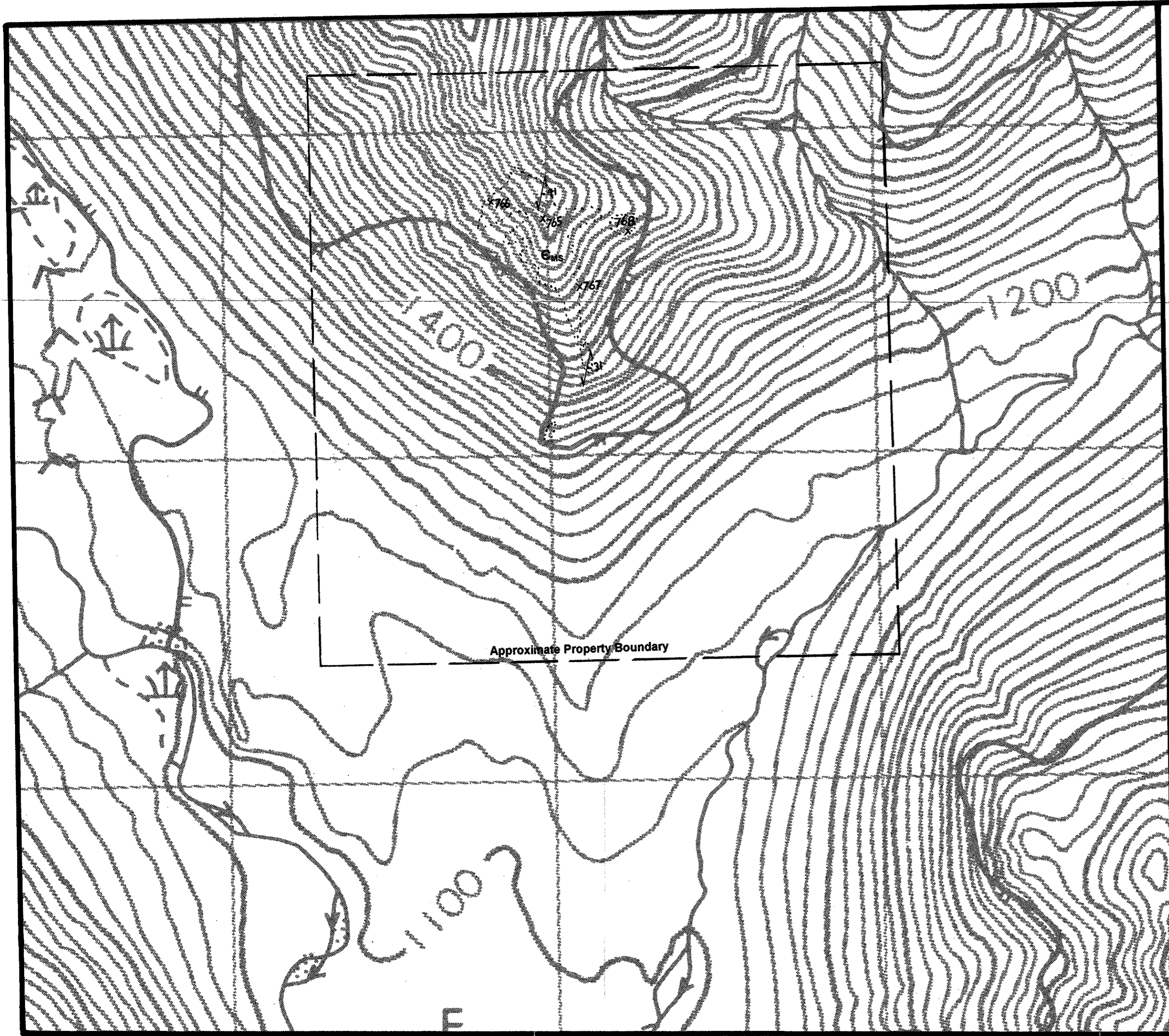
**Amerlin Exploration Services Ltd.**

*Carl G. Verley*

Carl G. Verley, P. Geoscientist



August 23, 1997.  
Richmond, B.C.



**LEGEND**

- Cms Cambrian or earlier (?):  
metasediments: biotite-muscovite-quartz  
schist with interbedded limestone lenses
- Outcrop
- Lithologic contact
- Foliation in metasediments
- x 768 Rock Sample, see Appendix A for analytical and assay data.

093706

Note: Contours in metres; interval: 20 m.  
Magnetic declination: 29°31'E (1996)  
Topography from Energy, Mines & Resources Canada map 105H/8

DWG ①

FINLAYSON JOINT VENTURE (FJV) INC.  
**GEOLOGY & SAMPLE LOCATION PLAN**  
 TR 1-16 CLAIM GROUP  
 Tyers River Area  
 Watson Lake Mining Division, Y.T.  
 NTS 105H/8

