

KOKANEE EXPLORATIONS LTD.

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REPORT ON VLF GEOPHYSICAL PROSPECTING, STREAM  
GEOCHEMICAL AND A GEOLOGICAL PROSPECTING PROGRAM

YAH PROPERTY

YAH 1 - 8 CLAIMS

FORT STEELE MINING DIVISION

YAHK AREA

N.T.S. 82F/1E

LAT: 49°05'N

LONG: 116°05'W

OWNER

KOKANEE EXPLORATIONS LTD.

Suite 104 135 - 10th Ave. S.,  
Cranbrook, B.C.  
VIC 2N1

Work Performed From April 1, 1990 to May 1990

Report by: L. Stephenson  
Submitted: July, 1990

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**19,952**

TABLE OF CONTENTS

|   | PAGE |
|---|------|
| 1.00 INTRODUCTION . . . . .                             | 1    |
| 2.00 LOCATION AND ACCESS . . . . .                      | 1    |
| 3.00 GEOLOGICAL PROSPECTING . . . . .                   | 1    |
| 4.00 VLF GEOPHYSICAL PROSPECTING . . . . .              | 2    |
| 5.00 STREAM GEOCHEMICAL SURVEY . . . . .                | 2    |
| 6.00 CONCLUSIONS . . . . .                              | 2    |
| APPENDIX I - ROCK AND STREAM SAMPLE ASSAYS . . . . .    | 3    |
| EXHIBIT "A" - STATEMENT OF EXPENDITURES . . . . .       | 4    |
| AFFIDAVIT . . . . .                                     | 5    |
| AUTHOR'S QUALIFICATIONS . . . . .                       | 6    |
| LOCATION MAP . . . . .                                  | 7    |
| VLF GEOPHYSICS AND GEOLOGY GEOCHEM SAMPLE MAP . . . . . | 8    |
| Map - VLF Survey on Yah Claims . . . . .                | 9    |

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REPORT ON VLF GEOPHYSICAL PROSPECTING, STREAM  
GEOCHEMICAL AND A GEOLOGICAL PROSPECTING PROGRAM

YAH 1 - 8 CLAIMS

FORT STEELE MINING DIVISION

L. Stephenson

July, 1990

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### 1.00 INTRODUCTION

Kokanee Explorations Ltd. acquired the Yah claims in 1990 and undertook to evaluate and locate the mineralized structure on the property.

Two VLF geophysical prospecting lines were run in the course of geological prospecting to locate the trend. As well, a stream geochemical sample was taken to identify any minerals in the area. Geological prospecting to trace the mineralized structure to the north was also completed.

### 2.00 LOCATION AND ACCESS

The Yah 1-8 claims are located north of the town of Yahk, B.C., on N.T.S 82F/1E. Access is provided to the southern part of the claims from the town and to the northern part of the claims by the Jensen Creek bush road.

### 3.00 GEOLOGICAL PROSPECTING

Two geological prospecting traverses coincident with the VLF prospecting were run over the mineralized vein and its trend. Stream geochem sampling was undertaken on a creek draining the trend.

The geology of the claims consists of fairly flat-lying, northwest dipping, beds of Middle Aldridge quartzites. These are mainly thickly bedded with some minor, thin, argillitic quartz beds.

Visible pyrite mineralization was identified associated with a quartz vein located on the west side of Yah 3. The trend of the trench over the vein was northwest. The trench was sluffed in so that an actual vein trend was not identified.

The mineralized vein on Yah 2 contained visible amounts of galena in the oxidized sulphide zone.

Sample results are appeneded (Appendix I).

#### 4.00 VLF GEOPHYSICAL PROSPECTING

Two test lines coincident with the geological prospecting lines were completed over the property. The results are plotted on Map 1.

The north line reflects the topography. Where it crosses the quartz vein, no noticeable response was seen.

The east line crosses the mineralized vein and shows some response but it is overpowered by the culture effect near the town.

The favorable response near the vein suggests that further VLF surveying is warranted.

#### 5.00 STREAM GEOCHEMICAL SURVEY

One stream sample was taken to identify any mineralization in the area drained by this stream.

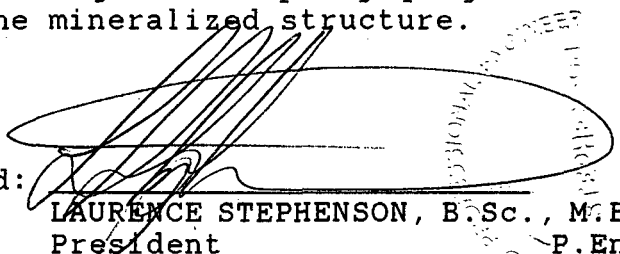
Some elevated gold and zinc values from the samples coincide with the suggested trend (Appendix I).

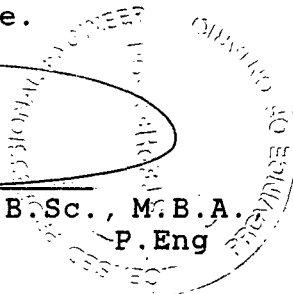
#### 6.00 CONCLUSIONS

The VLF-EM prospecting was too limited to be conclusive in defining the trend of the mineralized structure but did show some positive response. Coupled with the stream geochemistry results it suggests an effective exploration tool to define the trace of the structure.

A thorough geological prospecting and sampling project is also required to fully evaluate the mineralized structure.

Signed:

  
LAURENCE STEPHENSON, B.Sc., M.B.A.  
President



APPENDIX I

Rock and Stream Sample Assays

| <u>Sample Name</u> | <u>Au</u><br><u>ppb</u> | <u>Ag</u><br><u>ppm</u> | <u>Cu</u><br><u>ppm</u> | <u>Pb</u><br><u>ppm</u> | <u>Zn</u><br><u>ppm</u> |
|--------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| YLS 90-1           | <5                      | 0.2                     | 40.0                    | 85.0                    | 90.0                    |
| YLS 90-2           | <5                      | < 0.2                   | 10.0                    | 15.0                    | 20.0                    |
| HAM 1              | 10                      | 72.9                    | 155.0                   | 18362                   | 731.0                   |
| HAM 2              | 4                       | 43.0                    | 100.0                   | 10486                   | 336.0                   |

|          |                  |
|----------|------------------|
| YLS-90-1 | Stream Sample    |
| YLS-90-2 | Quartz Vein      |
| Ham 1    | Mineralized Vein |
| Ham 2    | Mineralized Vein |

EXHIBIT "A"

STATEMENT OF EXPENDITURES

VLF GEOPHYSICAL PROSPECTING, ROCK GEOCHEMICAL  
AND GEOLOGICAL PROSPECTING PROGRAM  
ON YAH 1-8 CLAIMS  
FORT STEELE M.D.

Covering the period from April 1, 1990 to May 2, 1990.

GEOPHYSICAL SURVEYING AND INTERPRETATION:

SALARIES:

|                 |                               |              |
|-----------------|-------------------------------|--------------|
| L. Stephenson   | Geologist: run survey - 1000m |              |
|                 | 0.5 days @ \$400/day          | \$200.00     |
| Transportation: | 1 Truck, 0.5 days @ \$50/day  | <u>25.00</u> |
|                 |                               | \$225.00     |

GEOLOGICAL PROSPECTING:

SALARIES:

|                |                      |              |
|----------------|----------------------|--------------|
| L. Stephenson  | Project manager      |              |
|                | 0.5 days @ \$400/day | \$200.00     |
| D. Pighin      | Geologist            |              |
|                | 0.5 days @ \$350/day | 175.00       |
| Transportation | 1 Truck @ \$50/day   | <u>50.00</u> |
|                |                      | \$425.00     |

ROCK GEOCHEMICAL SURVEY:

SALARIES:

|                |                         |          |
|----------------|-------------------------|----------|
| L. Stephenson: | Report writing          |          |
|                | 0.5 days @ \$400.00/day | \$200.00 |
| D. Pighin:     | Geologist               |          |
|                | 0.5 days @ \$350.00/day | 175.00   |

ASSAYS: Acme Analytical Laboratories Ltd.  
325 W. Hastings St.  
Vancouver B.C.  
4 stream samples @ \$10/sample

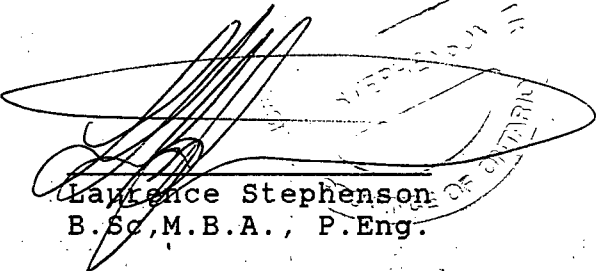
40.00

Transportation 1 Truck @ \$50/day

25.00

\$640.00

Total = \$1290.00

  
Lawrence Stephenson  
B.Sc., M.B.A., P.Eng.

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF A VLF GEOPHYSICAL PROSPECTING,  
STREAM GEOCHEMICAL + A GEOLOGICAL PROSPECTING PROGRAM

CARRIED OUT ON THE YAH 1 TO 4 CLAIMS

YAHK AREA

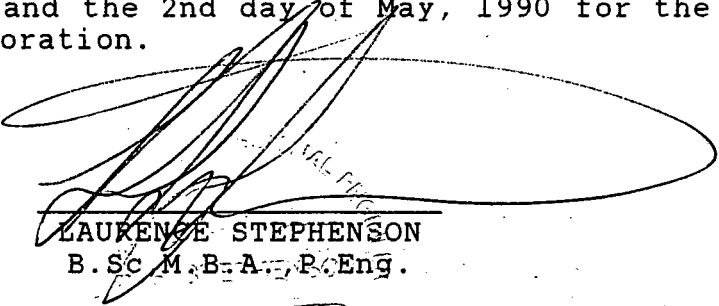
in the Fort Steele Mining Division of  
the Province of British Columbia

More Particularly N.T.S. 82F/1E

A F F I D A V I T

I. L. Stephenson, of the City of Cranbrook, in the Province of British Columbia, make Oath and say:

1. That I am employed as a Geologist by Kokanee Explorations Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a VLF geophysical prospecting, stream geochemical and geological prospecting program on the Yah 1 to 8 Mineral Claims.
3. That the said expenditures were incurred between the 1st day of April, 1990 and the 2nd day of May, 1990 for the purpose of mineral exploration.

  
LAURENCE STEPHENSON  
B.Sc. M. B.A. P.Eng.

PROVINCE OF ONTARIO

AUTHORS QUALIFICATION'S

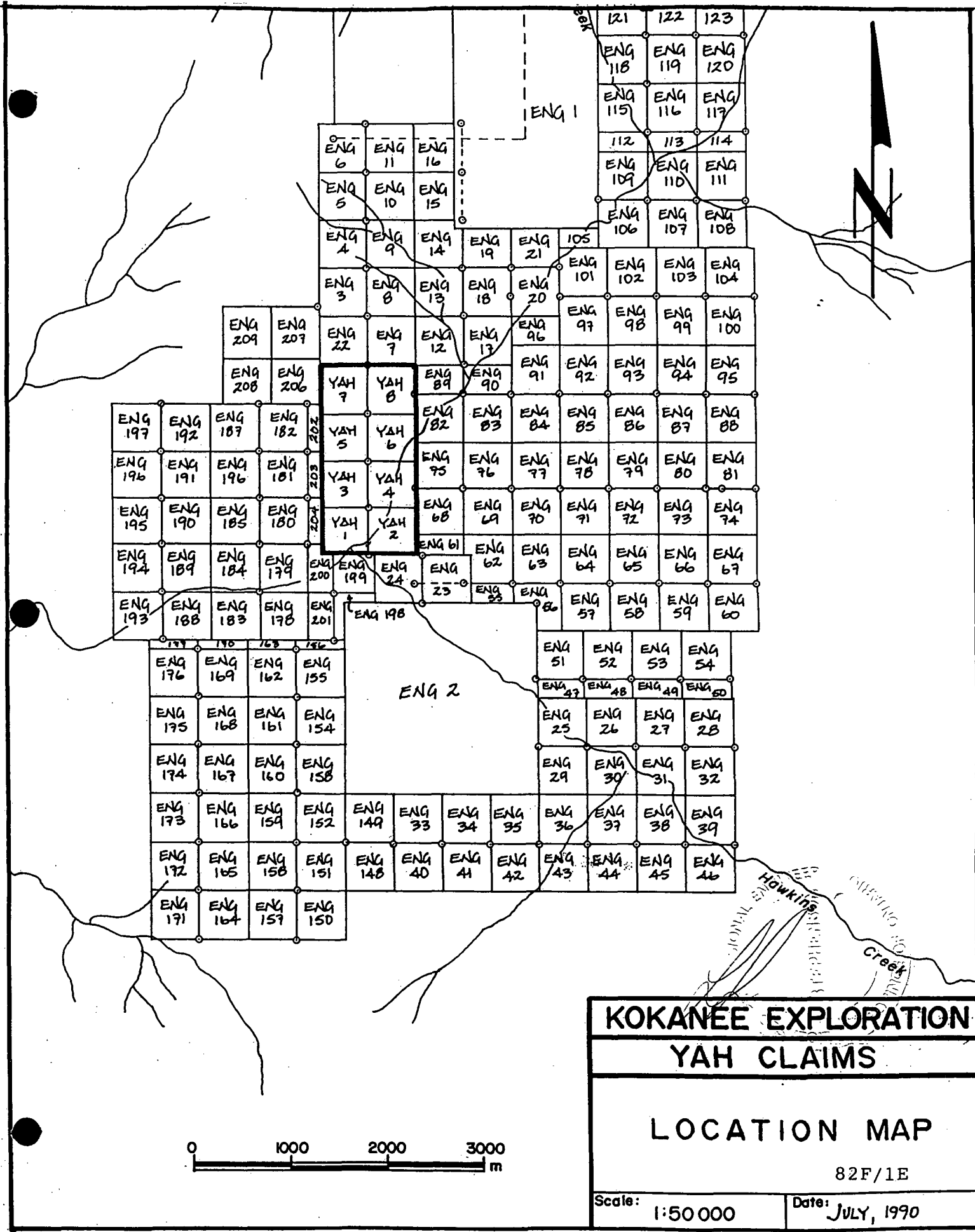
I, Laurence Stephenson, of Cranbrook, B.C., in the Province of British Columbia, do hereby certify that:

1. I graduated from Carleton University in 1975 with a Bachelor of Science degree in Geology then, in 1985, graduated from York University with a Masters of Business Administration.
2. I am registered as a Professional Engineer for the Province of Ontario (1981) and currently a member in good standing.
3. I have had over 23 years experience in the field of mining exploration.

  
LAURENCE STEPHENSON  
B.Sc., M.B.A., P.Eng







ENG 1

ENG 2

**KOKANEE EXPLORATION**

**YAH CLAIMS**

**LOCATION MAP**

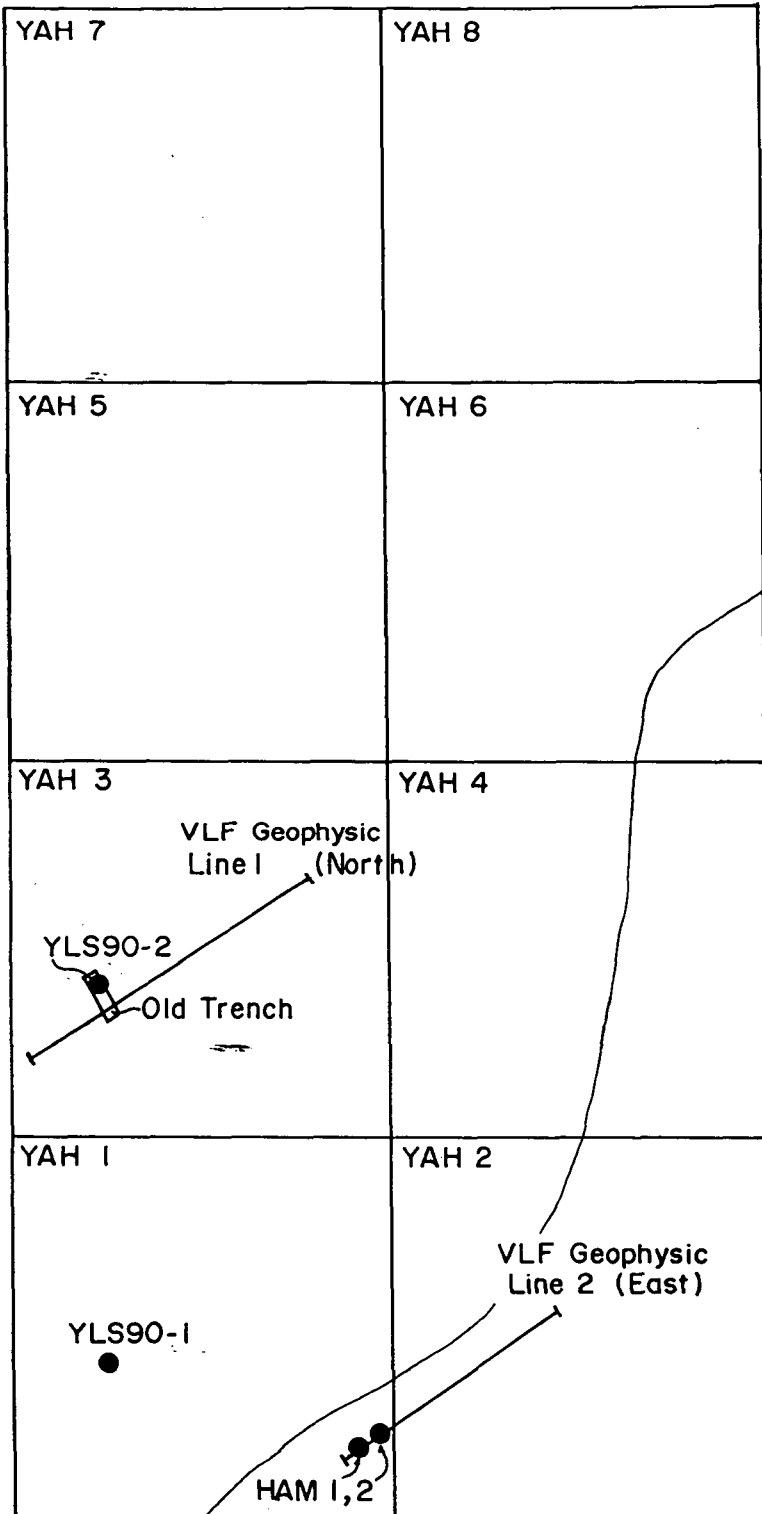
82F/1E

Scale: 1:50 000

Date: JULY, 1990



Hawkins Creek  
Creek

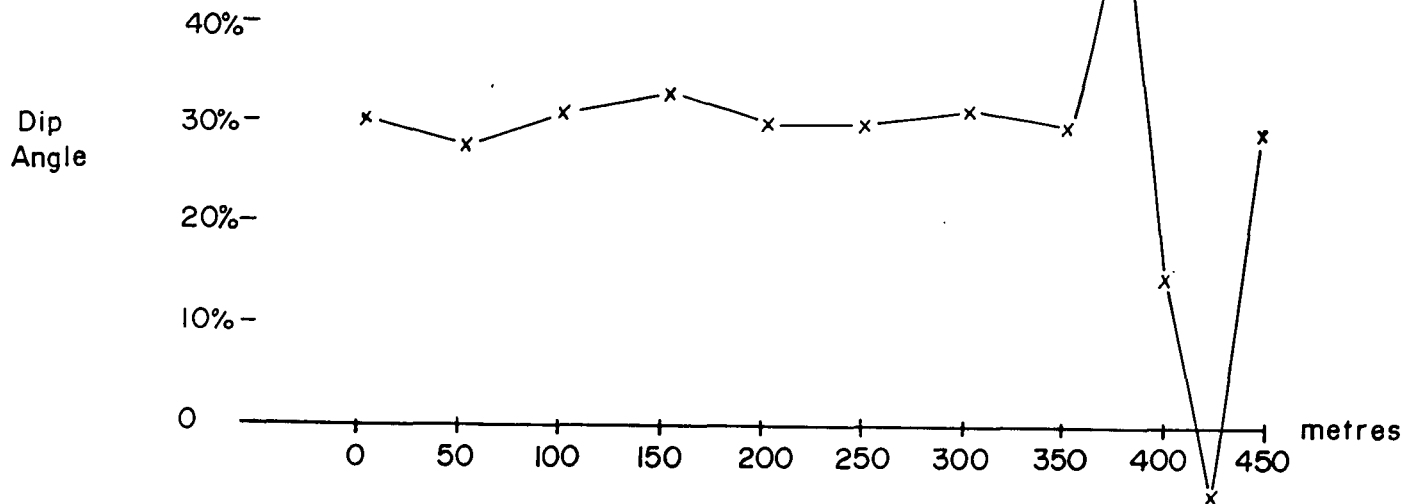


*[Handwritten signature]*  
 JUL 20 1990

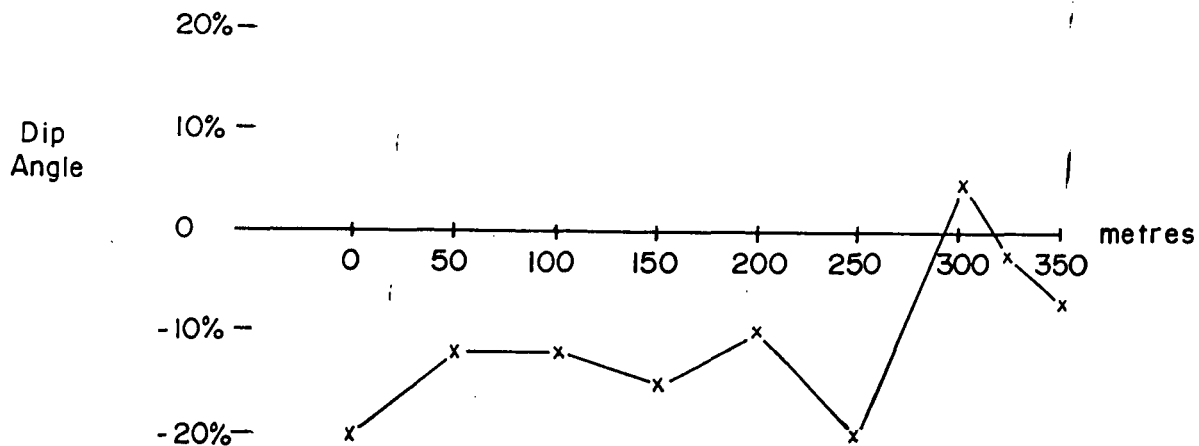
|  |                 |
|--|-----------------|
| <b>KOKANEE EXPLORATIONS</b>                    |                 |
| <b>YAH PROPERTY</b>                            |                 |
| VLF Geophysics + Geology<br>Geochem Sample Map |                 |
| Scale: 1:10000                                 | Date: JULY 1990 |

Moyle River

VLF Line 1 (North)



VLF Line 2 (East)



*[Handwritten signature]*

|                             |                 |
|-----------------------------|-----------------|
| <b>KOKANEE EXPLORATIONS</b> |                 |
| <b>YAH PROPERTY</b>         |                 |
| <b>VLF SURVEY</b>           |                 |
| 0 0.5 km                    | Date: JULY 1990 |