

86-217-14825  
05/87

A Very Low Frequency Survey on the  
Snafu, Carryon, Carryon Two claim group

Vernon Mining Division

NTS 82L/2E

FILMED

50' 10'      118' 33'

Owner and Operator: Ted Archibald

Author of Report: Ted Archibald

Date Submitted: May 8 1986

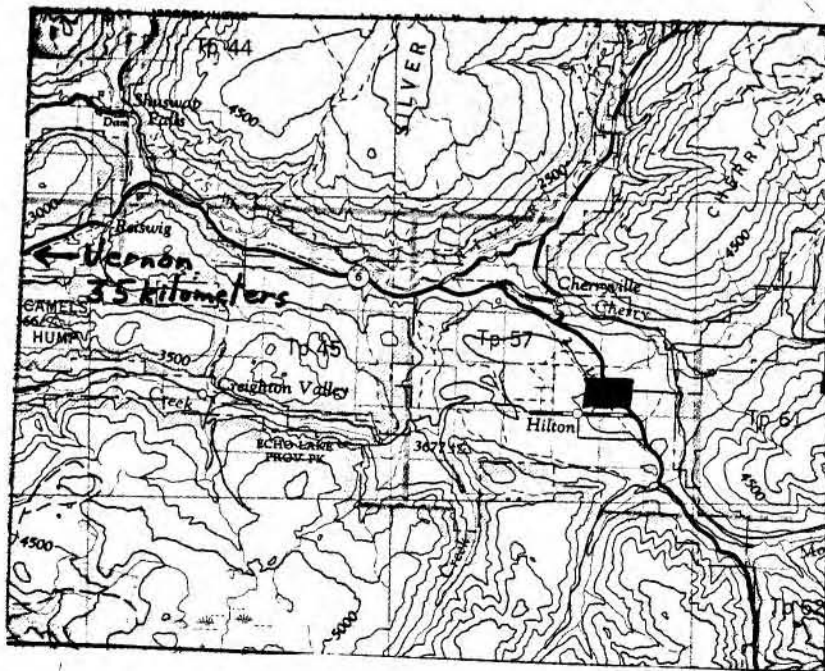
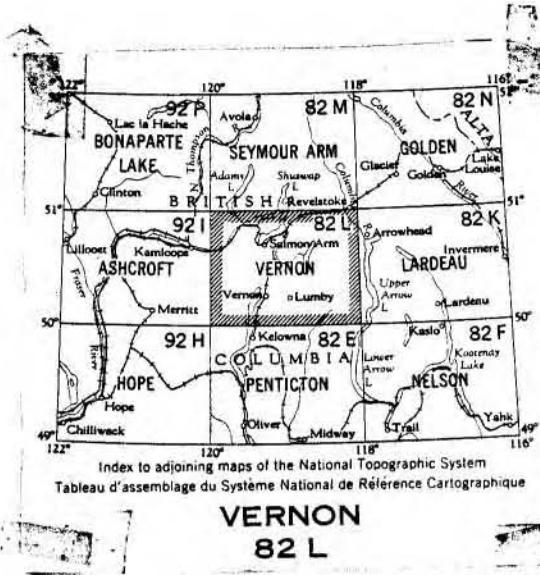
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,825

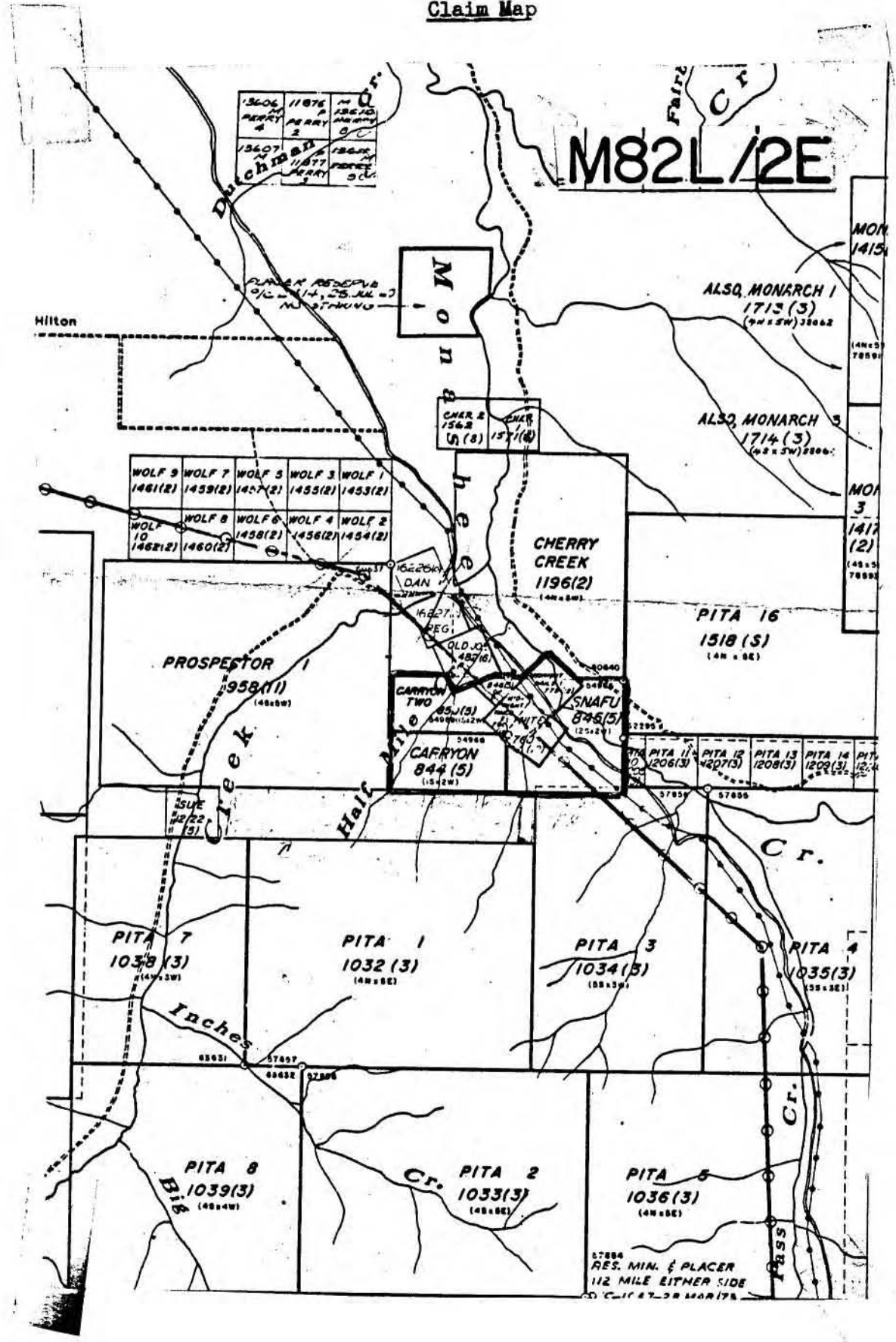
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Location Map



Claim Map



## Introduction

The Carryon claim group consists of three claims, the Snafu claim of four units, and the Carryon and Carryon Two claims, of two units each, for a total of eight units. This also encompasses the Midnight Nails One and Two claims, owned by the author. The claims lie on both sides and over Highway 6, approximately 9.5 kilometers east of Cherryville.

A geological survey was done of the property in November of 1983 in an attempt to trace extensions of, or a possible source for, the mineralization uncovered in a bulldozer trench. At that time a VLF-EM survey was recommended.

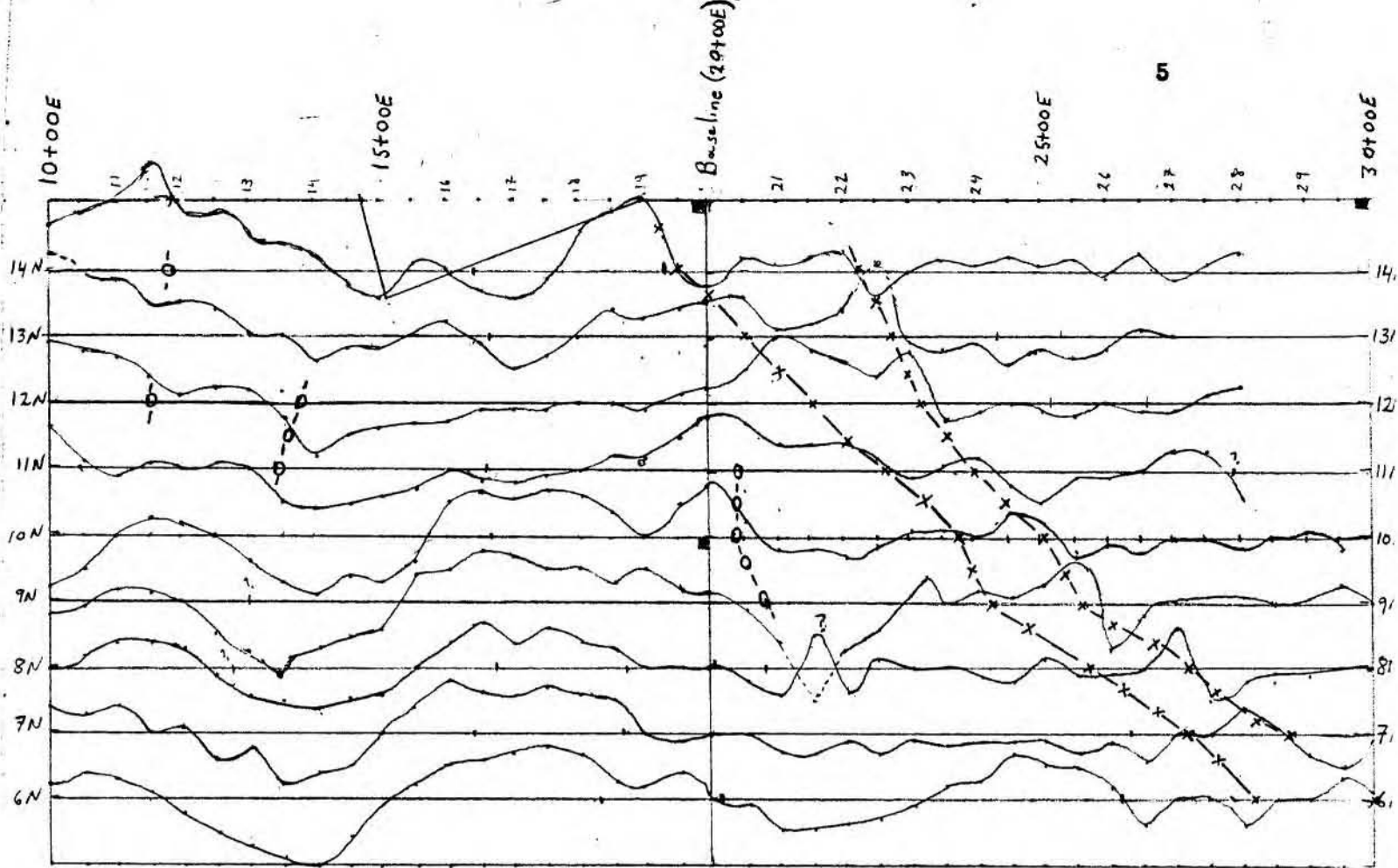
A B.C. Hydro transmission line runs over the trench and approximately parallel to the strike of the argillites. Gold mineralization in the area is associated with iron-rich lamprohyre dykes that cut perpendicular to the strike of the sediments. It was believed these dykes would show clear crossovers with a VLF and so it was decided to run the survey at right angles to the dykes first, then perpendicular to the sediments.

A total of 14.6 kms were surveyed.

Geophysical Report

A Scintrex Scopas Model SE-80 was used for this VLF survey. Seattle, Washington was the only station which could be received in the area.

The instrument was first held with the instrument face horizontal and rotated until a null (visual minimum on the field strength meter) was obtained. The azimuth was noted. The Scopas was then held vertically and tilted from right to left until another null was obtained. The tilt and its sign (positive or negative) was recorded. The operator then walked twenty-five meters to the next station and the procedure was repeated.



Dip Angle of the Resultant Field in Degrees

VLF Station: NLK Seattle, Washington 24.8 kHz

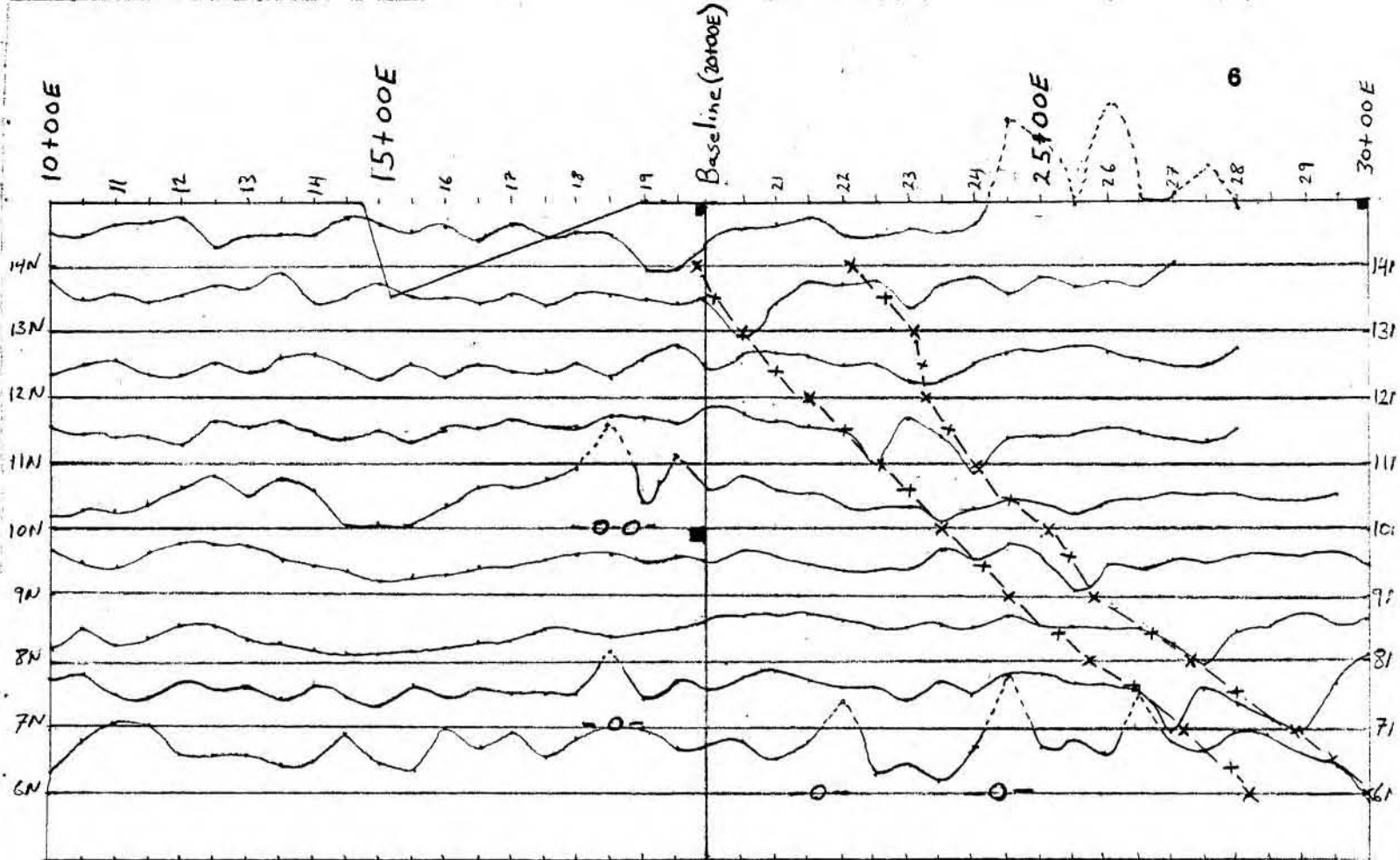
Conductor: -O-O-

Transmission Lines: -X-X-

Vertical Scale: 30°  
20°  
10°  
0°

Horizontal Scale: 300 meters





**Azimuth of the Horizontal Field in Degrees**

VLF Station: NLK Seattle, Washington 24.8 kHz

Vertical Scale:  $\begin{matrix} 60^\circ \\ 40^\circ \\ 20^\circ \\ 0^\circ \end{matrix}$   
 Horizontal Scale:  $\begin{matrix} | & | & | & | \\ \hline & & & \end{matrix}$   
 300 meters  
 Transmission Line: -X-X-  
 Conductor: -o-o-



## Results and Recommendations

This survey was originally planned in two phases. The first phase was intended to pick up any cross-cutting iron-rich lamprophyre dykes which are associated with gold mineralization in the region. The second was to be a more standard survey, running perpendicular to the strike of the sediments. This may have located any shear zones and possibly contacts between the sediments and volcanics.

As the property is small (2 units x 4 units) each phase was expected to take less than a week, so a large amount of information could be gathered at a relatively low cost. Unfortunately, unseasonably early and heavy snowfalls resulted in only the first phase being carried out.

Results from the tilt angles indicate conductors on 12N and 14N at 12+00E, on 11N and 12N at 14+00E, and on 9N, 10N, and 11N at 20+50E. These may indicate the dykes being sought. A strong crossover on 8N at 21+50E is suspect.

The azimuth data, which is indicative of the strike of conductors, shows there may be small near-surface conductors on 10N at 18+50E and in 6N at 22+00E.

The only known mineralization on the property is on line 11N at 24+00E. As this quartz/galena vein

is located under a B.C. Hydro transmission line the data collected can not be used for comparison purposes.

It is recommended that the planned second phase of the survey which had to be cancelled be carried out when weather permits. Hand trenching at anomolous points to determine the nature of the bedrock should be performed, as should a soil geochem program.

Program Expenses

Ferry to and from Vancouver	\$ 38.00
Vehicle 8 days @ \$50.00/day	400.00
Gas	100.00
Rental of VLF	405.14
Room and Board 8 days @ \$50.00/day	400.00
Labour, 9 days @ \$100.00/day (2 days transport, 6 days property, 1 day report)	900.00
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	\$2,243.14
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Authors Qualifications

The author has completed and passed both the Basic and Advanced Prospecting Courses held by Prospectors Assistance, B.C. Ministry of Energy, Mines and Petroleum Resources.