

04/86

PRELIMINARY ORIENTATION

HEAVY METAL SURVEY

TIN CUP CLAIM

KAMLOOPS MINING DIVISION

82M/4E

LATITUDE 51° 12'N

LONGITUDE 119° 35'W

BY

JAMES F. BRISTOW, P. ENG.

APRIL 1985

FILMED

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,276**

PRELIMINARY ORIENTATION HEAVY METAL SURVEY

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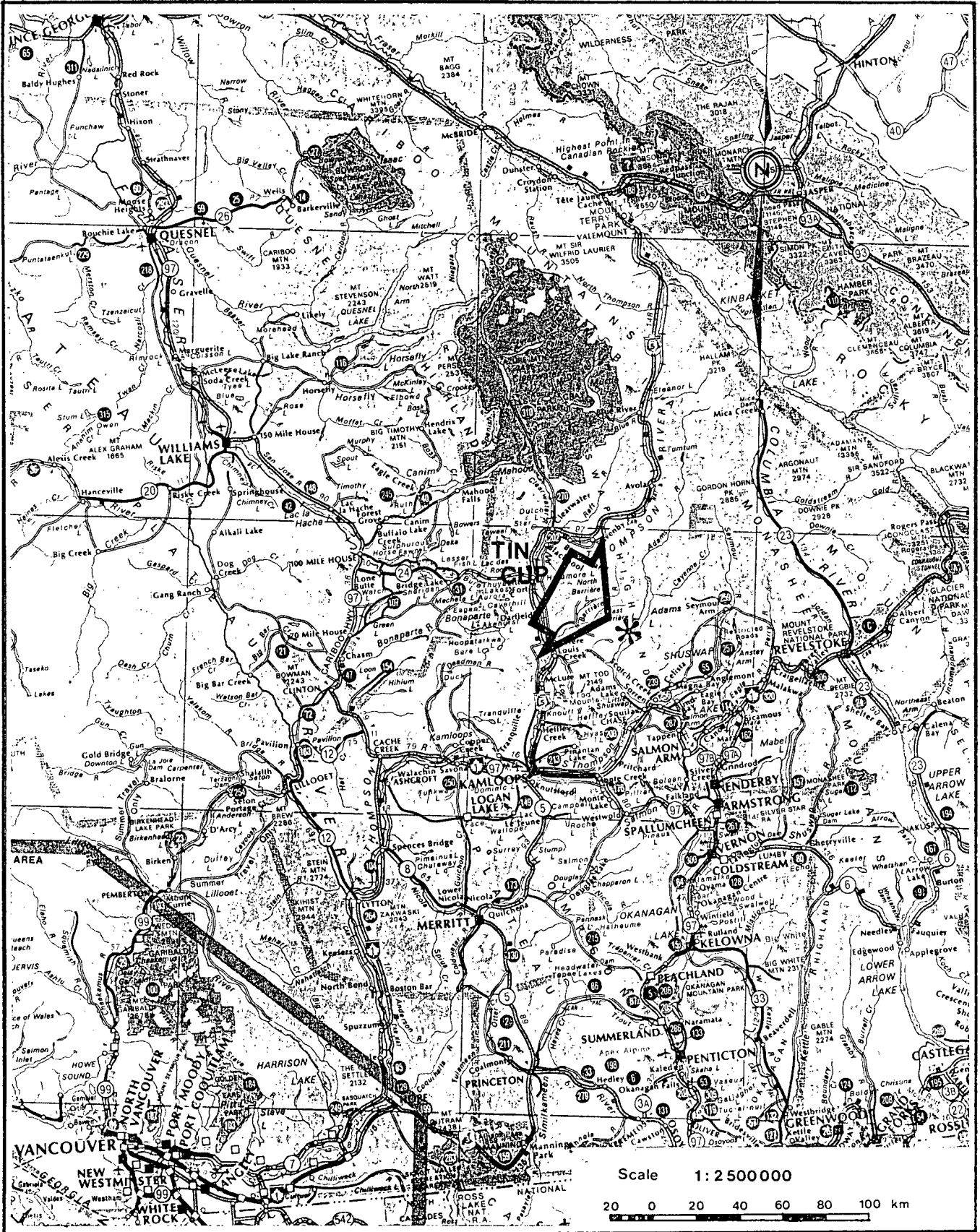
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**TIN CUP  
INDEX MAP**

FIGURE 1

R.D.B.

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PRELIMINARY ORIENTATION HEAVY METAL SURVEY

TIN CUP CLAIM

INTRODUCTION

The Tin Cup claim package was acquired by the writer by staking to cover an area which may contain the lodes that are the source for the placer gold previously mined on Spapilem Creek. Placer mining was reportedly confined to that portion of the creek between the falls and Adams Lake. The actual production from this small area was not recorded in the literature. However, two local prospectors reportedly obtained periodic "grub stakes" from the gravels in this short section of the creek. The gold values were apparently replenished every few years by spring run-off.

Renewed exploration activity in this region by Falconbridge (Rea Gold Corp.), Noranda Mines Ltd. (Orell Resources Ltd.), and Kamad Silver Co. Ltd. focused the writer's attention on this geologically interesting area.

PURPOSE OF SURVEY

The purpose of this survey was to varify the presence of heavy minerals in the gravels in the lower reaches of Spapilem Creek and to note any obvious visual variations in their concentrations with respect to sample locations. Positive results will be used as an aid in formulating future exploration programs.

LOCATION AND ACCESS

The claim group is centred at approximately Latitude 51° 12' North, Longitude 119° 35' West and lies 22.5 km (14 miles) northeast of Skwaam Bay on Adams Lake.

Road access is good as the property is adjacent to Holding Lumber Co.'s main Adams Lake haulage road and it is traversed by several spur roads. All-weather roads connect Squaam Bay to Louis Creek, 29.0 km (18 miles) to the west, and to Adams Lake, 19.3 km (12 miles) to the south.

Kamloops is the closest major outfitting centre, located approximately 116 km (72 miles) to the southwest (see Figure 1).

TOPOGRAPHY AND CLIMATE

The property is located on a south-easterly facing mountain slope and covers a portion of the lower reaches of the Spapilem Creek drainage (see Figure 2). In general, local topography is not rugged. The most prominent physical feature in the area is the narrow, vertical-walled channel cut by Spapilem Creek, which, in places, reaches depths of 45 meters (about 150 feet).

HISTORY

No reference to mining activity on Spapilem Creek has been found in literature. However, at least two local prospectors are known to have obtained placer gold from the lower reaches of this stream.<sup>1</sup> The remains of a dam, trestle and flume system immediately above the first falls are believed to be tangible evidence of this early placer work.

PROPERTY STATUS - KAMLOOPS MINING DIVISION

The current property consists of a modified grid mineral claim consisting of twenty (20) units as follows:

<u>Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Year of Expiry</u>
Tin Cup	20	5666	May 28, 1984	1985

1. Personal communications with Mr. Jerry Eberts and Mr. Ken McConnel

The disposition of the claim is shown in Figure 2.

#### DISCUSSION - GENERAL GEOLOGY

The general geology of the Spapilem Creek area, as shown in Figure 3, is taken from the geological mapping of Dr. V. A. Preto, Ministry of Energy, Mines and Petroleum Resources. The claim block appears to be underlain by a sequence of northwesterly striking, westerly dipping Amphibolites and Metasedimentary Phyllites of the Eagle Bay formation. These rocks are believed to be lithologically similar but generally more highly altered than the rest of the Eagle Bay assemblage. In the Spapilem Creek area, this sequence is intruded and truncated to the north by granites and granodiorites of the Baldy Mountain Batholith. The inferred contact between the Amphibolite/Phyllite sequence is shown to traverse the Tin Cup claim block. This is believed to be the same contact that is associated with the low grade copper mineralization at the E.B.L. property further to the north.

#### SUMMARY OF WORK

##### SCOPE OF PROGRAM

Between July 9 and July 13, 1984, the writer and an assistant collected for visual examination the heavy metal concentrates from four selected stream gravel samples obtained from the lower reaches of Spapilem Creek. Total volume of the material was approximately four (4) cubic yards.

##### SAMPLING PROCEDURE

Sample sites were selected based on readily available quantities of stream deposited gravel and ease of access to stream beds. All sample sites were located relative to Legal Corner Post (LCP) by chain and compass survey (see Figure 4).

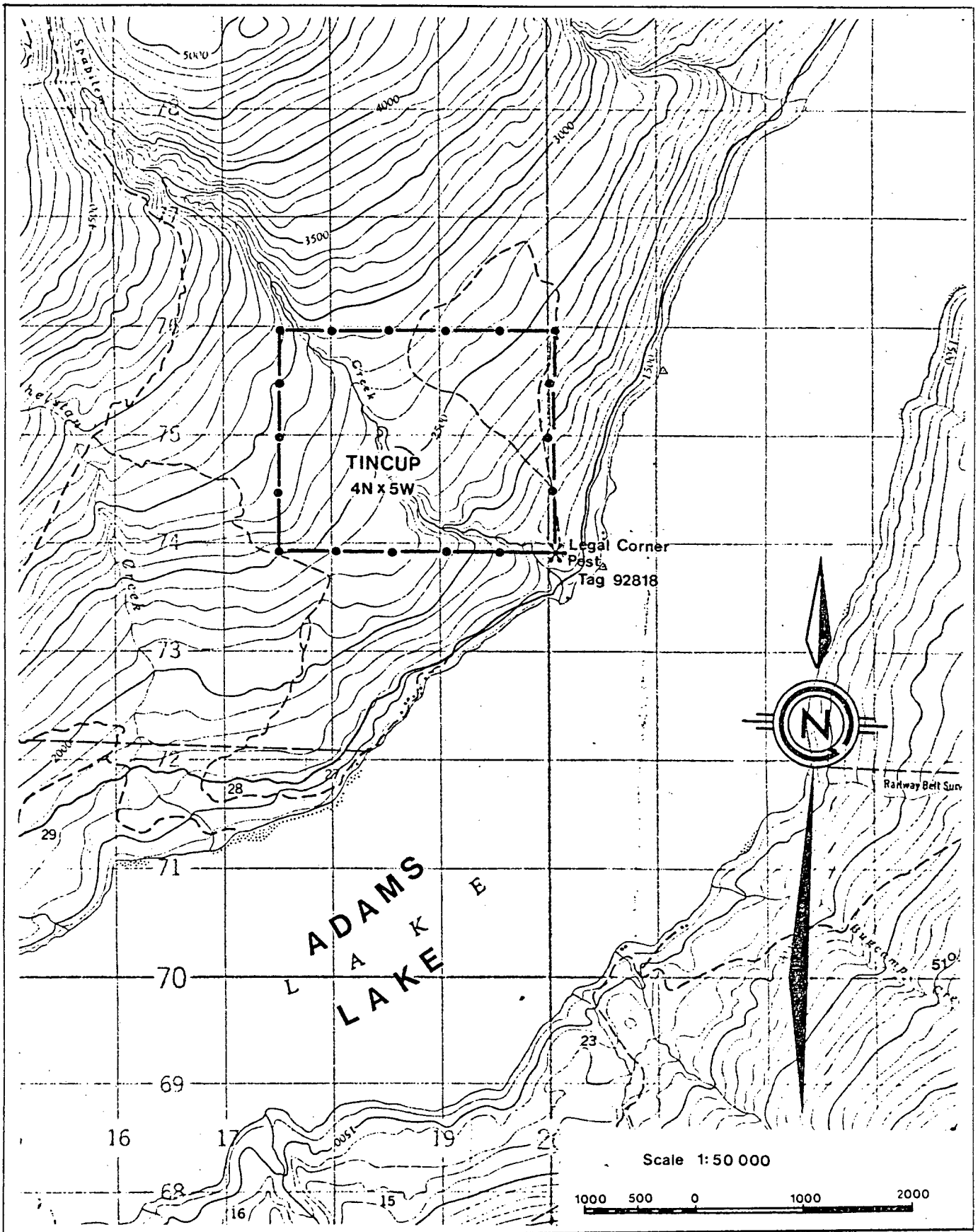


FIGURE 2

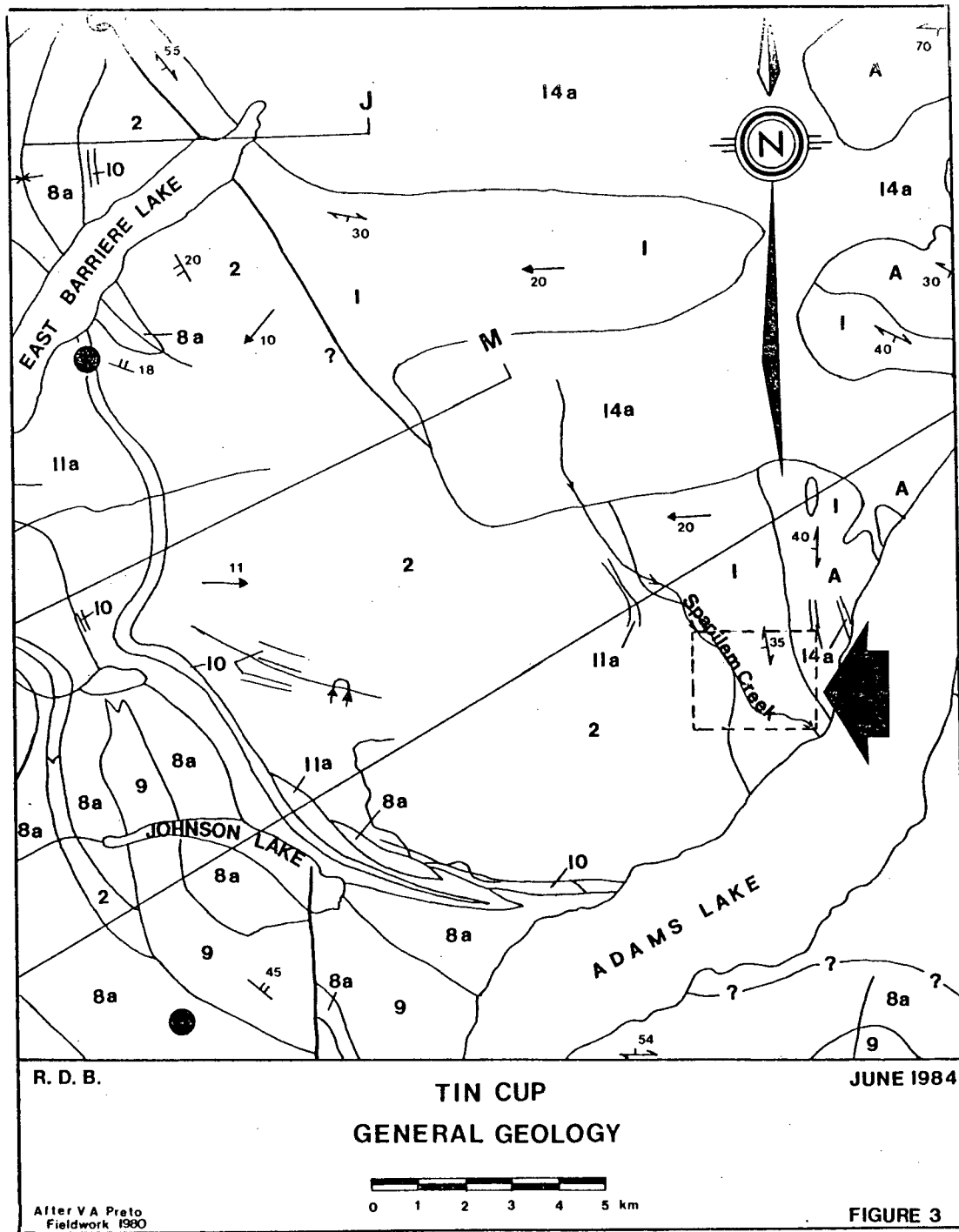
# TIN CUP CLAIM MAP

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ADAMS LAKE 82 M4E

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LEGEND

CRETACEOUS

Granite, Quartz Monzonite

14 (a)

Quartz Feldspar Porphyry

14 (b)

LATE DEVONIAN

GRANODIORITE ORTHOGNEISS

A

LATE DEVONIAN AND (?) OLDER TO LATE MISSISSIPPIAN AND (?) YOUNGER

EAGLE BAY FORMATION

Black Phyllite: interbedded Grit, Sandstone  
Siltstone and Limestone

11 (a)

Limestone, Dolomite

10

Tshinakin Limestone & Dolomite

9

Greenschist

8 (a)

Metasedimentary Phyllite, Grit, Quartzite

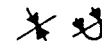
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Amphibolite, Quartzite, Marble, Sillimanite -  
Garnet - Biotite Schist

1

SYMBOLS

EARLY AXIAL TRACE:  
Synform: upright, overturned



FOLD AXES: Early



BEDDING: Tops Unknown



EARLY SCHISTOSITY



PROSPECT

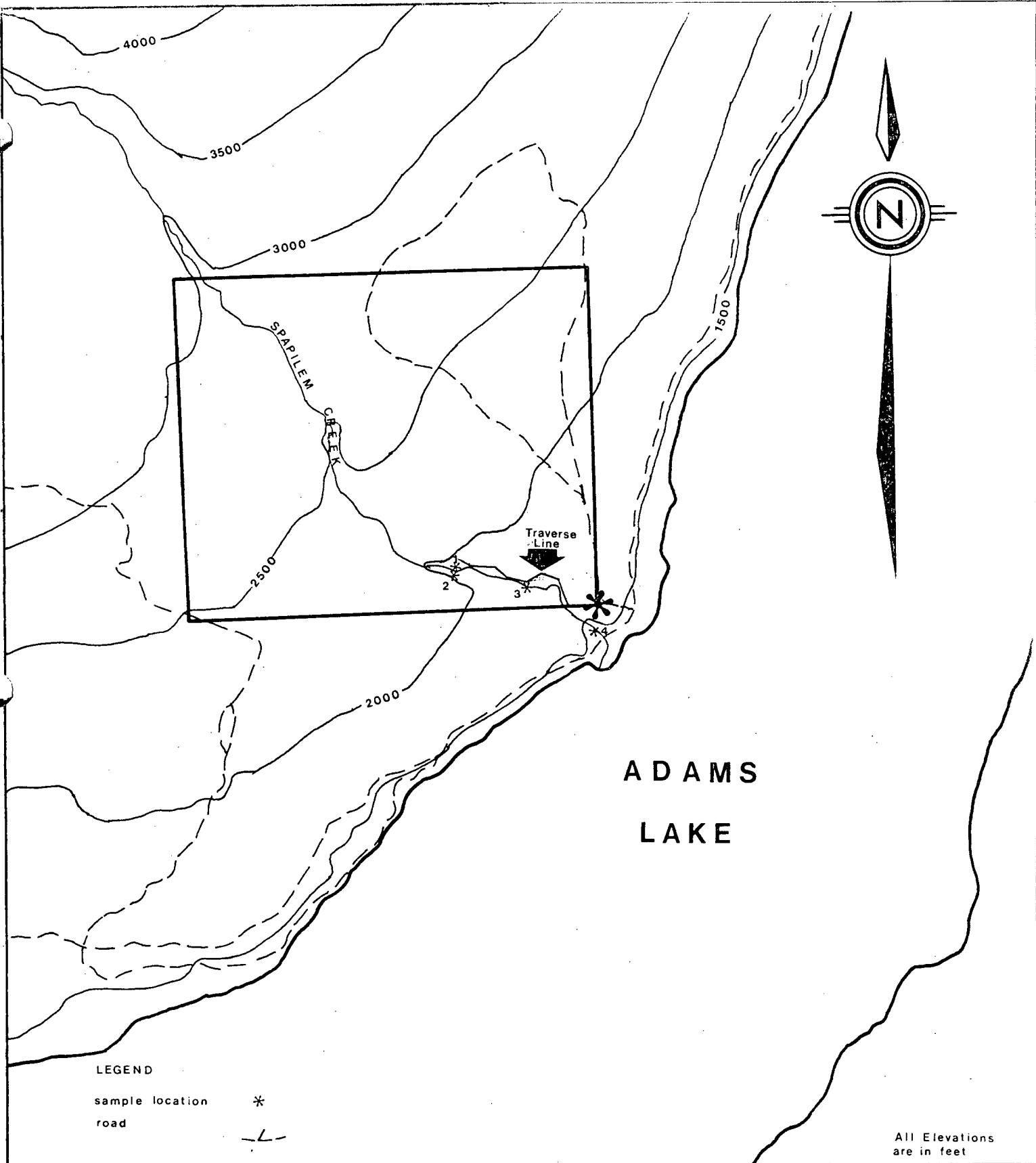


FIGURE 3



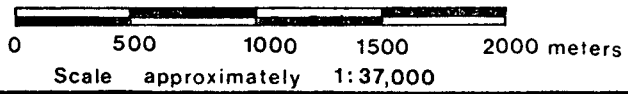
Measured volumes of gravel from each sample site were passed through a Long Tom. Minimum sample size was 6.5 cubic feet. The Long Tom concentrate was collected at the end of each sample run and further concentrated using a gold pan.

The gold pan concentrate was examined under an ultra-violet lamp and by hand-lens. Visual results were recorded on attached Table I. All concentrate was dried and saved for future microscopic examination.



**TIN CUP**  
**HEAVY MINERAL SURVEY SAMPLE LOCATIONS**

R. D. B.



APRIL 1985  
 Figure 4

TABLE I

MEGASCOPIC EXAMINATION OF HEAVY MINERAL CONCENTRATE  
FROM LOWER REACHES OF SPAPILEM CREEK

SAMPLE NUMBER	VOLUME	CHARACTER	VISIBLE GOLD	FLUORESCENCE	LOCATION (SEE SKETCH MAP)
1	6.5 cu ft	Sandy gravel minor clay occasional rusty quartz pebble	Several pinhead specks	Dull, yellow background	North bank Spapilem Creek at confluence with dry gulch bearing 340° Azimuth.
2	6.5 cu ft	50% angular coarse gravel	No visible gold	1 speck of scheelite	Southside of Spapilem Creek immediately south of Sample #1
3	13 cu ft	Mainly coarse shingled gravel up to 5" dia Some coarse sand	+10 colours one pebble (massive sulphide)	+15 specks of scheelite some garnet background yellow fluorescence	Above Second Falls south side of Spapilem Creek on inside of bend in stream.
4	13 cu ft	Coarse shingled gravel up to 6" dia.	+8 Colours	+6 specks of scheelite	Approximately 100 metres S.E. of falls near main road bridge over Spapilem Creek

For further reference, see Figure 4.

COST STATEMENT

TIN CUP CLAIM

ORIENTATION HEAVY METAL SURVEY

Supervision and Sampling

James F. Bristow, P. Eng. July 9, 10, 11, 12, 13/84  
5 days @ \$300.00 per day \$1500.00

Robin D. Bristow July 9, 10, 11, 12, 13/84  
5 days @ \$80.00 per day 400.00

Transportation

988 km @ 25¢ per km 247.00

Food and Accommodation

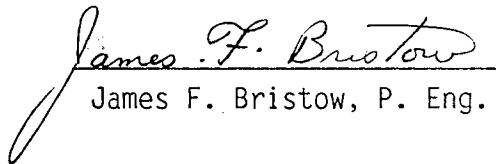
5 days @ \$45.00 per day 225.00

Field Supplies (including sampling equipment) 30.00

Report Preparation (including drafting & typing) 300.00

TOTAL \$2702.00

Certified Correct

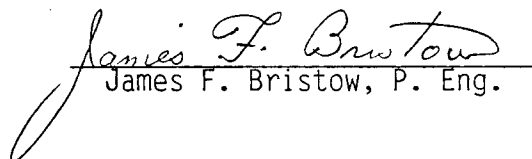
  
James F. Bristow, P. Eng.

QUALIFICATIONS & CERTIFICATIONS

I, James F. Bristow, of 3431 Bowen Drive, in the Municipality of Richmond, Province of British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia with a B.A. Degree (Geology and Physics).
2. I am a Professional Engineer registered in the Province of British Columbia.
3. I am a member of the Canadian Institute of Mining and Metallurgy, and the Associated Scientific and Technical Societies of South Africa.
4. I have actively practiced my profession in mineral exploration and mining since my graduation in 1957.
5. That this report is based on data gathered by myself or someone working directly under my supervision.
6. That I am the registered owner of the Tin Cup claims, as shown on Province of British Columbia Mineral Act Form G Record No. 005666, dated May 28, 1984.

Dated at Richmond, British Columbia, this 29 th day of April, 1985.

  
James F. Bristow, P. Eng.