

1672

PART 2

GEOCHEMICAL REPORT

Geochemical Survey

on

THE DAVZ CLAIMS,

CAVZ M.C.'s 1 to 12, 15 to 26, 29 to 40
45 to 54

Trail Peak, Omineca M.D.
13 miles northeast of Fort Babine, 55°, 126°S.E.

by

C.C. McLeod

J. Russell Loudon, P. Eng.

owned by

Texas Gulf Sulphur Company

June 28th to September 15th, 1968

RECEIVED
JUN 28 1968

SMITHSONIAN B. C.

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REPORT ON CAVZ CLAIMS TOTAL CU SOIL SURVEY, TRAIL PEAK,
OMINECA MINING DIVISION

INTRODUCTION

General Statement

During the 1967 reconnaissance silt survey, Trail Peak was noted to be highly anomalous and was consequently staked by 70 claims (CAVZ #1 to 70 inclusive). In June of 1968 a soil sampling survey was mounted on a chained grid. A total of 679 soil samples were collected on a grid over a total of 35 line miles. The samples were collected at 200 foot intervals in the areas of greatest interest and 400 foot intervals outside these areas on lines spaced 400 feet apart. The samples were shipped to Barringer Research Limited, Toronto for processing and analysis.

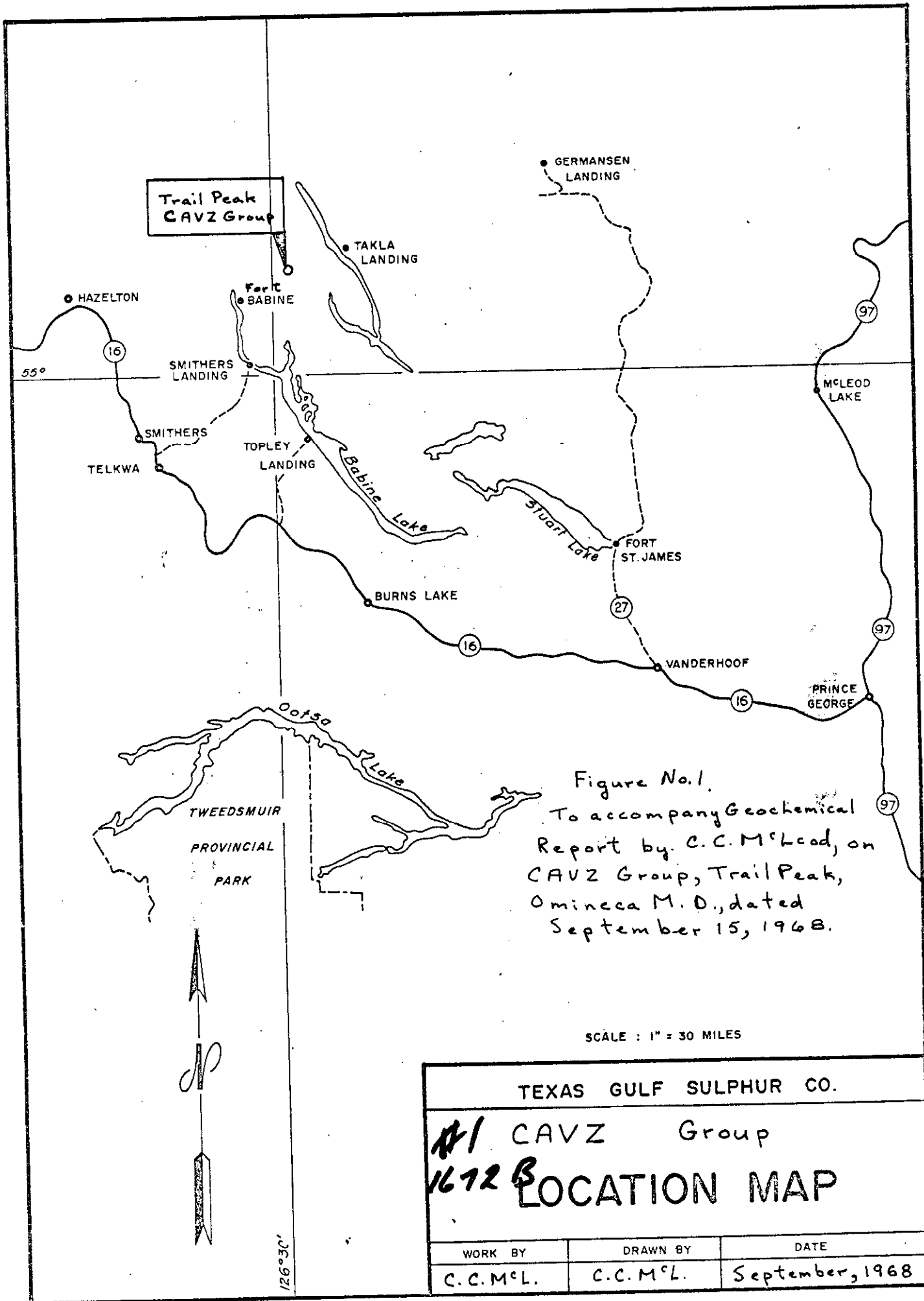
SAMPLING PROCEDURE

The geochemical soil sampling survey was carried out by digging small pits at every sample site in order to observe the soil profile. The sampling was carried out at 200 foot intervals on lines 400 feet apart, within the area of primary interest and extended to 400 foot centres outside the prime area. 679 soil samples were collected in this way with every attempt made to collect the samples from the A₃B horizon. The samples were collected in brown Kraft paper envelopes which were airdried before shipping to Barringer Research Limited, 304 Carlingview Drive, Rexdale, Ontario.

LABORATORY PROCEDURE

Barringer Research carried out the following work:

The samples were sieved and the -80 mesh fraction was analyzed in each case for Total Cu. The procedure for extraction was as follows:



Trail Peak
CAVZ Group

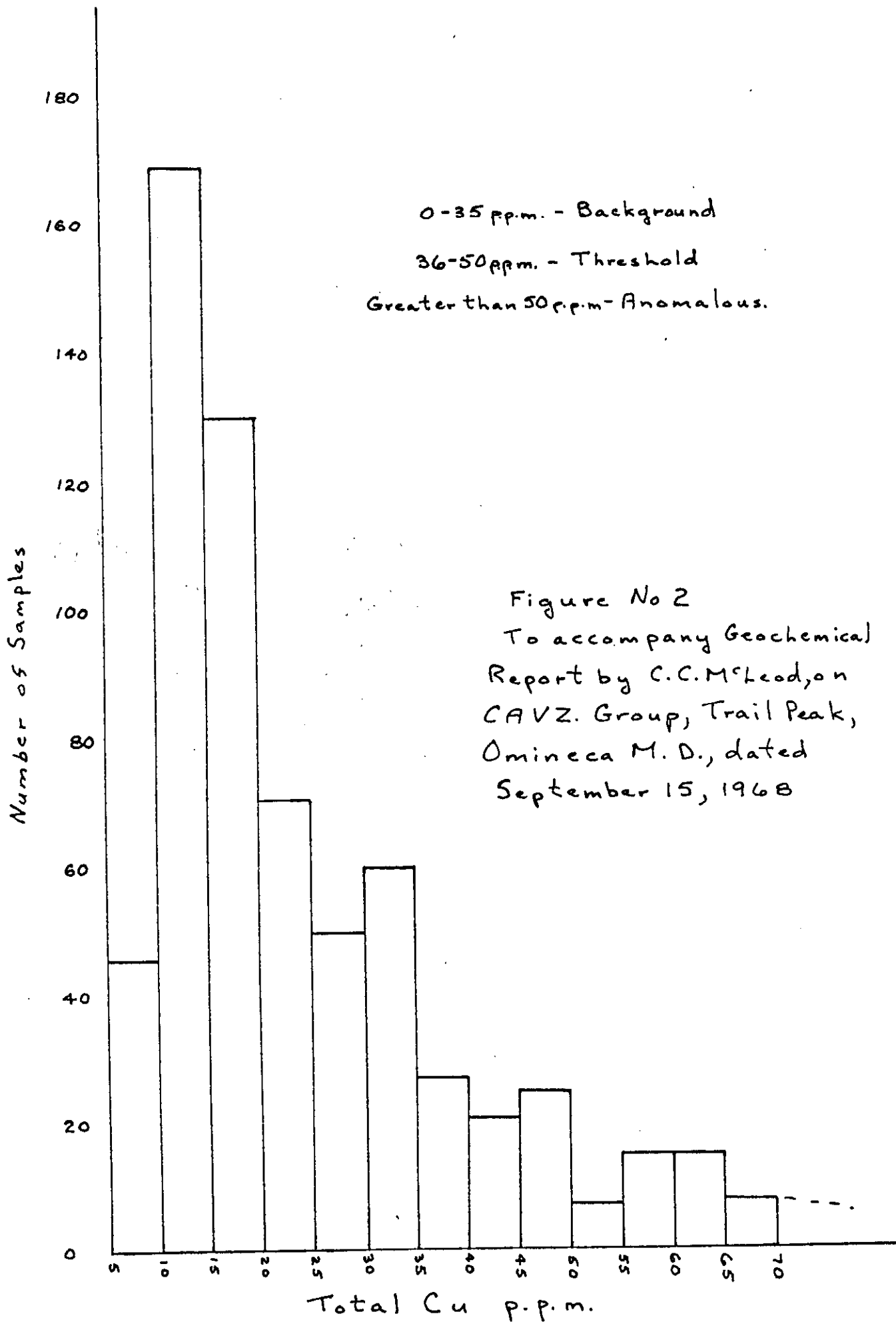
Figure No. 1.
To accompany Geochemical
Report by C. C. McLeod, on
CAVZ Group, Trail Peak,
Omineca M. D., dated
September 15, 1968.

SCALE : 1" = 30 MILES

TEXAS GULF SULPHUR CO.		
#1 CAVZ Group		
1672 B LOCATION MAP		
WORK BY	DRAWN BY	DATE
C. C. McL.	C. C. McL.	September, 1968



126°30'



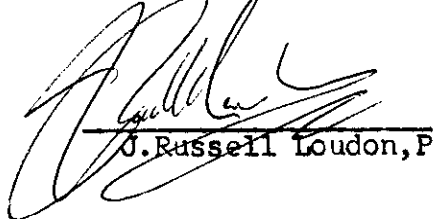
Discussion of Results

The distribution of copper values is somewhat erratic and no doubt related to the variations in soil conditions. The soil profile varies considerably over the area of investigation due to the topographic changes. Soil types range from well drained and well developed mature profiles to an immature and recently formed overburden comprised of broken rock fragments and rock flour. In addition, certain parts of the property are poorly drained and characterized by swampy conditions.

Interpretation of the geochemical soil data, therefore, is difficult at present due to the erratic nature of the results.

In order to permit a more accurate evaluation of this data and hence to locate more clearly the source of the copper, additional soil samples are being collected, and selected samples are being re-analyzed.


George McLeod


J. Russell Loudon, P. Eng.

QUALIFICATIONS OF C.C.McLEOD, GEOLOGIST
Texas Gulf Sulphur Company
Vancouver Office

Academic Qualifications

Bachelor of Science, University of British Columbia,
1967, in Geology.

Experience

Prior to Graduation:

1. One summer 1963 - geochemical laboratory assistant with United Keno Hill Mines.
2. Twelve months 1964-65 - geological assistant and geochemist with Amax Explorations Inc.
3. One summer 1966 - geologist with Texas Gulf Sulphur Company.

After Graduation:

1. One year as geologist with Texas Gulf Sulphur Company.

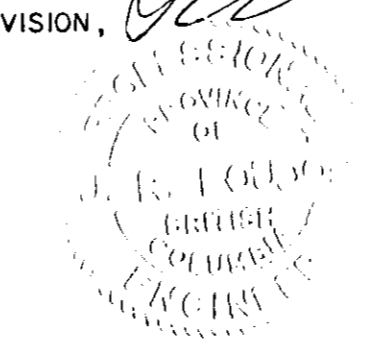

C.C. McLeod



BACKGROUND 0 - 30 ppm Total Cu
 POSSIBLE GEOLOGY 31 - 50 " " "
 ANOMALOUS 51 AND OVER ppm Total Cu

TO ACCOMPANY A GEOCHEMICAL REPORT
 BY C.C. McLEOD, GEOLOGIST, ON CAVZ GROUP
 ON TRAIL PEAK, OMECEA MINING DIVISION,
 DATED SEPTEMBER 15, 1968

Caryle McLeod



1672

SCALE ONE INCH = 400' 600 FEET

#2 TEXAS GULF SULPHUR CO.
 1672 B
 PART 2
CAVZ GROUP
 TOTAL Cu SOIL SURVEY ①

WORK BY	DRAWN BY	DATE
C.C. McLEOD	I.J. von Assum	SEPTEMBER, 1968