

1903

PART 2

Magnetometer Survey

RICH GROUP

in

Trail Creek Mining Division

Lat. $49^{\circ} 05'$, Long. $117^{\circ} 45''$.

for

Salem Mines Ltd.
Vancouver, B.C.

by

Strato Geological Ltd.

and

Bullis Engineering Ltd.

May 20, 1969

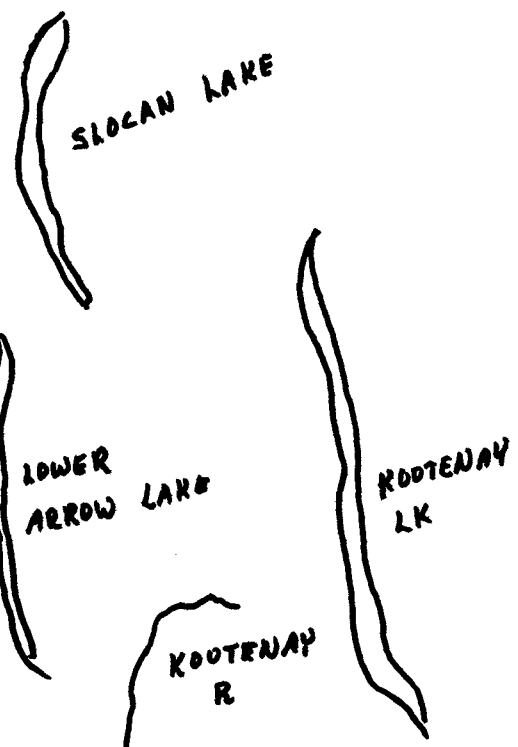
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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **1903B** MAP.....



BRITISH COLUMBIA



B.C. U.S. BORDER AREA → ■ ROSSLAND MAY 27, 61

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **1903B** MAP **#1**

A.R. Bullis

SCALE 1 cm = 50 mi LOCATION MAP MAY 27, 1961

TO ACCOMPANY
REPORT BY A.R. BULLIS.

PROPERTY

The mineral claims dealt with in the following report are located in the Trail Creek Mining Division. The claim groups are situated about three miles south-west of the town of Rossland at Latitude 49 degrees 05 minutes, Longitude 117 degrees 45 minutes (approximately).

The Claims are recorded as:

Rich 1 to 7	(3072 to 3178)
Rich 10 to 13	(3170 to 3173)
Dollar 1 to 4	(3395 to 3398)
Chief 2 to 3	(3235 to 3236)

OWNERSHIP

The claims are recorded in the name of Michael Wayne Delich, 1806 Cook Avenue, Rossland, and are under option to Salem Mines Ltd.

METHOD OF SURVEY

The survey was performed between 21 and 27 April, 1969. A Sabre Magnetometer was used on the survey which reads in 40 gamma units.

Method of Survey - Cont.

A base line was cut across the Rich 1, 3, 5, and 6 claims; it crossed Crown Grant #L 1273. Additional lines were cut along the south-west boundary of Rich 1 and 2 claims; along the location line between Rich 1 and 2 claims; along the south-west boundary of Rich 3 claim and parallel to the baseline on Rich 2 claim.

Readings were taken at 100 foot stations along the lines; the readings were reduced to datum and plotted on the accompanying map of the claims. The magnetic high readings are shown outlined.

PERSONNEL

Strato Geological Ltd. were the line-cutting contractors on the property.

Mr. H. Leis operated the magnetometer and prepared the maps that accompany this report. J. Schelleberg assisted H. Leis. Mr. H. Leis has two years of experience in the operation of magnetometers and other geophysical instruments as instrument technician and field supervisor for Strato Geological Ltd. His training at Carleton University was in related fields of chemistry, physics and geophysics.

RESULT OF SURVEY

Four anomalous high areas were found along the main base-line on the Rich 1, 3, 5, and 6 Claims. Additional lines will be needed in the vicinity to determine the extent of the anomalies. Generally, the readings increase from south to north, reflecting the change in bedrock from argillaceous limestone underlying the Rich 2 and 4 claims to fine-to medium grained gabbro underlying all, or part of, the Rich 1 and 3 claims. The anomalous areas probably reflect to some extent the depth of overburden covering the various rock formations. An examination of the gabbro outcrop revealed the presence of varying amounts of magnetite and, therefore, the intensity of the magnetic field over the gabbro will vary considerably.

In addition, glacial debris in the stream valley on Rich 1 Claim contain boulders of gabbro. The debris, in the form of small moraines, forms hummocky topography along the base-line. The small anomaly on Rich 1 claim may thus be the expression of magnetic boulders exposed on the glacial deposits.

Additional line cutting will be necessary to prepare magnetic contours on the large anomaly on the Rich 3 Claim.

Respectfully submitted,



A.R. Bullis, P.Eng.

20th May, 1969
DELTA, B.C.

CERTIFICATE OF QUALIFICATIONS

I, Albert Ralph Bullis, do hereby certify that:

1. I am a practising geological engineer with residence at 5215 Saratoga Drive, Delta, B.C.
2. I am a graduate of the University of British Columbia and have been granted the degree of Bachelor of Applied Science.
3. I have been practising my profession as a geological engineer for sixteen years.
4. I am a member of the Association of Professional Engineers of British Columbia and a member of the Association of Professional Engineers of Ontario.
5. The attached report is based on geophysical information supplied by Strato Geological Ltd. as well as a personal examination of the property.
6. I have no interest, directly or indirectly, in the property or securities of Salem Mines Ltd.



A. R. Bullis, P.Eng.

20th May, 1969

DELTA, B.C.

COST OF WORK PERFORMED

Line Cutting:

22nd to 26th April - 5 Dayd
G. Roth and W. Benson \$ 350.00
@ \$35.00 per day per man.

Line Cutting:

14 Days from 27th April to 10 May
G. Roth and W. Benson \$ 980.00
@ \$35.00 per day per man

Supervision & Instrument Operator

7 Days from 21st to 27th April
H. Leis @ \$60.00 per day \$ 420.00

Sub Total \$ 1750.00

Other Direct Costs:

Room & Board for Crew \$ 253.85

Transportation of Crew & Equipment \$ 121.55 *Not Accpt.*
from Vancouver to Rosslund.

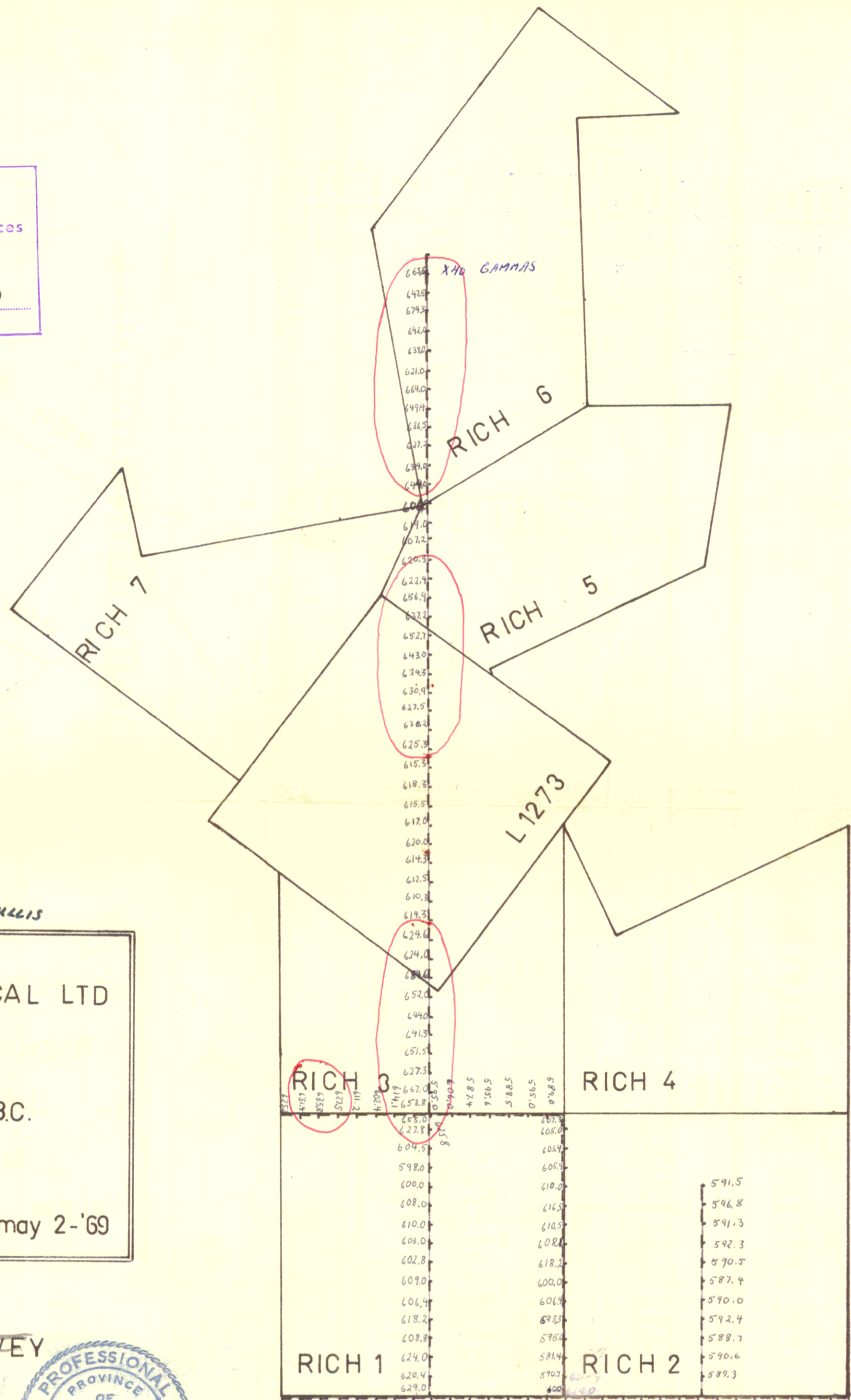
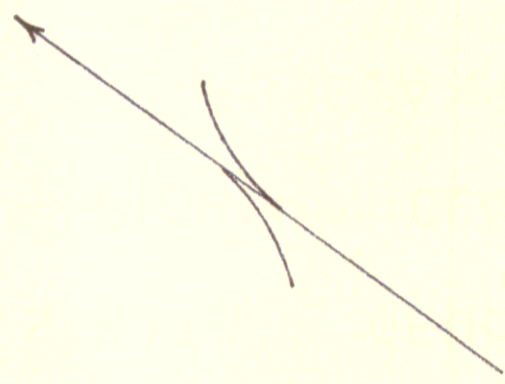
Miscellanious \$ 18.76

Sub Total \$ 394.16

GRAND TOTAL \$ 2144.16

APR Bullis

Department of
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ASSESSMENT REPORT
NO. **1903B** MAP #2

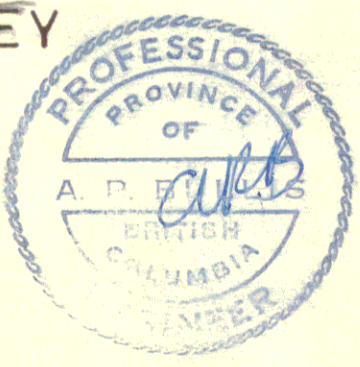


TO ACCOMPANY A
REPORT BY A.R. BULLIS

STRATO GEOLOGICAL LTD
RICH 1-7 CLAIMS
ROSSLAND, B.C.
for
SALEM MINES LTD may 2-'69

GEOLOGICAL SURVEY
(MAGNETOMETER SURVEY)

READINGS X40 GAMMAS.



600.8 X 40 GAMMAS

1903B
A.R. Bullis
10 May 1969