



MACKIR MINING LTD.
330-9 AVE. S. W.
CALGARY, ALTA. T2P 1K7

GEOPHYSICAL REPORT

CIVI 1-11 MINERAL CLAIMS
Y76715 - 25
SHEET 105K-2

LATITUDE $62^{\circ}13'$ N. LONGITUDE $132^{\circ}56'$ W.

ROSS RIVER AREA, WHITEHORSE MINING DIVISION
YUKON TERRITORY

FOR WORK PERFORMED DURING THE PERIOD JULY 7-14, 1976

BY

R.B. Galeski

JULY 1976



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$5500.00

5500

J.R. Craig

~~Resident Geologist or
Resident Mining Engineer~~

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

B.R. Baxter

~~B.R. BAXTER
Supervising Mining Recorder~~

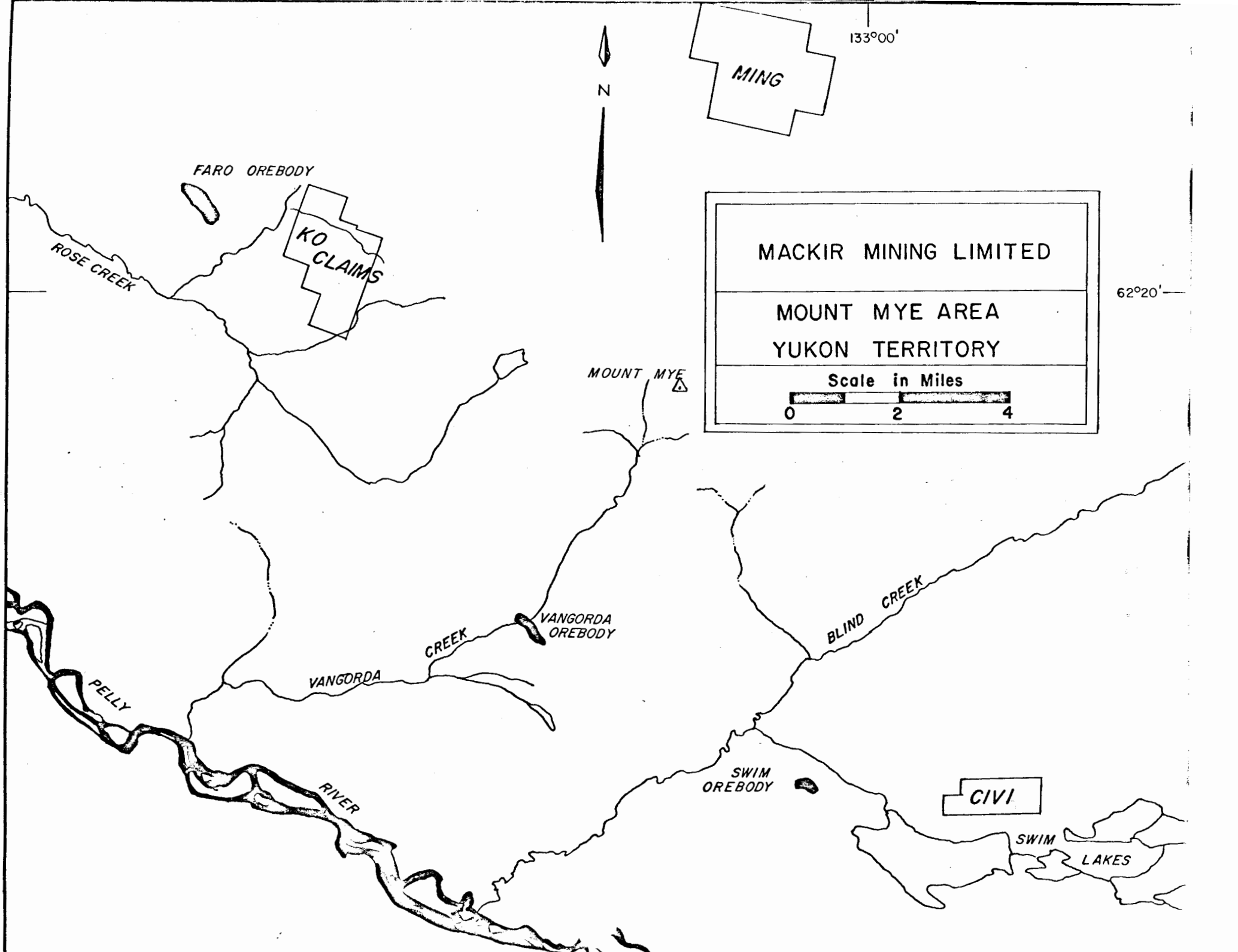
for Commissioner of Yukon Territory

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MAPS

BOUGUER MAP
REGIONAL MAP
RESIDUAL MAP



MING

133°00'

FARO OREBODY

KO CLAIMS

ROSE CREEK

MOUNT MYE

MACKIR MINING LIMITED
MOUNT MYE AREA
YUKON TERRITORY
Scale in Miles
0 2 4

62°20'

VANGORDA OREBODY

CREEK

VANGORDA

BLIND CREEK

CIVI

SWIM OREBODY

SWIM LAKES

PELLY

RIVER

GRAVITY INTERPRETATION
CIVI MINERAL CLAIMS
FOR
MACKIR MINING LTD.
WHITEHORSE MINING DIVISION

INTRODUCTION:

The Civi 1-11 mineral claims are located in the Whitehorse Mining District, Yukon Territory (Sheet 105 K-2). They are located 12 miles east of Faro, Yukon Territory. The co-ordinates of the property are 62° 13' North Latitude, 132° 56' West Longitude. The property was located on behalf of Cream Silver Mines Ltd. (NPL) in 1973. In 1976 the claims were optioned to Mackir Mining Ltd.

In 1973 geological mapping and reconnaissance soil sampling programmes were conducted over the property; and from August 13-20, 1974, a programme of sampling was conducted over the claim group. A report by J.R. Deighton, geologist, covering the 1974 work and reviewing the 1973 results was submitted in October 1974. The conclusions of this report are to the effect that the area is underlain by the favourable Cambrian-Ordovician stratigraphy that hosts the ore bodies of the area, and the geochemical results were largely negative. The report also indicates that the area of the claims is almost completely overburden-covered, but that some alteration materials were noted in float in the central part. Also the geochemical survey did not cover the western half of the group.

A 3-man gravity crew was contracted from Airborne Geophysical Surveys, Ltd. to conduct a semi-detailed survey throughout the claim group. The crew moved onto the claims by helicopter on July 7, 1976, and camped there until completion of the project on July 14, 1976. Grid consists of a series of north-south lines at approximate 800' intervals with an east-west tie line (base line) and alternate loop closures at north and south ends of the north-south lines. Station spacing was 100'. A total of eleven line-miles were completed.

Data were reduced with an elevation correction factor of 0.06 (2.67 surface density) and a conventional latitude correction. Terrain corrections were not made. Bouguer and residual maps are included in this report.

INTERPRETATION

Bouguer and elevation profiles were constructed along all the lines. On these profiles, regionals were run, tied, plotted, adjusted and contoured. The regional map accompanies this report. Residuals - difference values between Bouguer and regional - were then extracted from the profiles, plotted and contoured. The resulting residual map is the key map in the suite.

BOUGUER MAP

Bouguer varies little more than one milligal throughout the area. There is no consistent gradient. Large negative closures exist in claims #8 and #9 and in the north half of claim #1. Claims #4 and #5 are gravitationally high. Small local positives can be noted in claim #2 and in the south part of claim #1. These various features have been separated and are discussed under the regional or residual map sections.

REGIONAL MAP

The regional map of the CIVI area is relatively featureless. Nowhere is gradient as great as 0.1 mgal/100 feet. Regional lows exist across claims #8 and #9 and at the west end (claims #1 and west half of #3). Between these broad, low-relief features is a high (claims #4 and #5). Source of these features is estimated to be at about 900 feet. This indicates the probability that there is no radical change in country rock type across the area above that depth.

RESIDUAL MAP

Several local (residual) anomalies are shown on the map. These are described below:

- "A" 5N-6N on line 0+00. 0.5 mgal. amplitude.
Calculated maximum depth to causative mass is 150',
estimated thickness 45'. Shallow dip to south.
- "B" 12S on line 0+00. 0.5 mgal. amplitude.
Calculated maximum depth to causative mass is 200',
estimated thickness 50'. Shallow dip to south.
- "C" 3S-4S on line 16E. 0.46 mgal. amplitude.
Based on two values only. If genuine, source is
shallow and near vertically oriented.

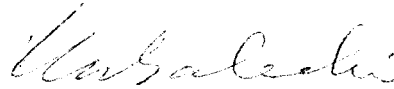
A sharp negative is centred at 4S on line 8W. This is shallow-sourced, probably a local thickening of overburden.

Two small (0.28 mgal.) positives are apparent on the easternmost line. These may develop into stronger features farther east.

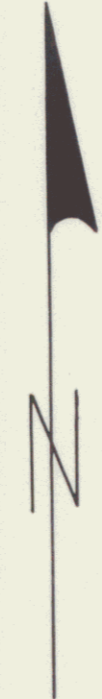
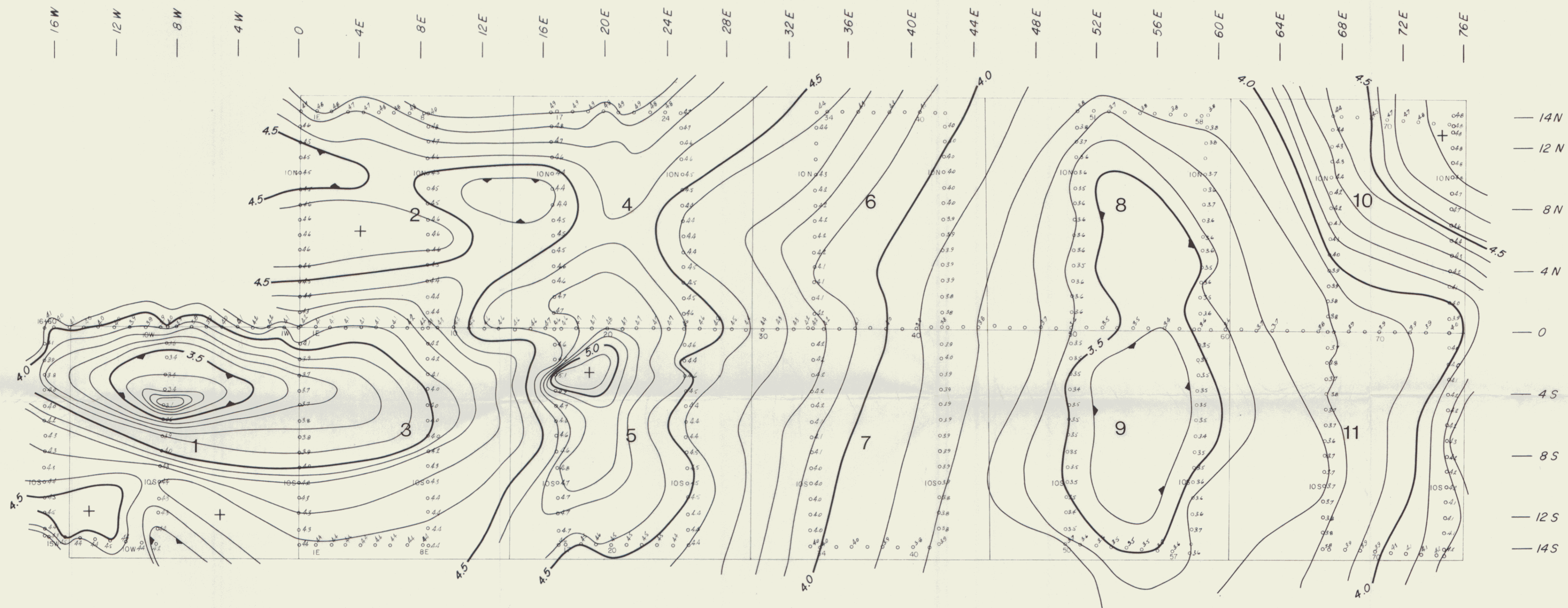
RECOMMENDATIONS

1. Run line 4E from 14N to 14S and line 4W from 0+00 to 14S to more fully evaluate anomalies "A" and "B".
2. Re-run line 16E from 0+00 to 6S at a 25' station interval to further evaluate anomaly "C".
3. If results of 1, above, are favourable, drill anomaly "A" and/or "B".
4. If results of 2, above, are favourable, run gravity lines 14E and 18E from 0+00 to 10S at a 25' station interval. Consider drilling the "C" anomaly if above results are favourable.

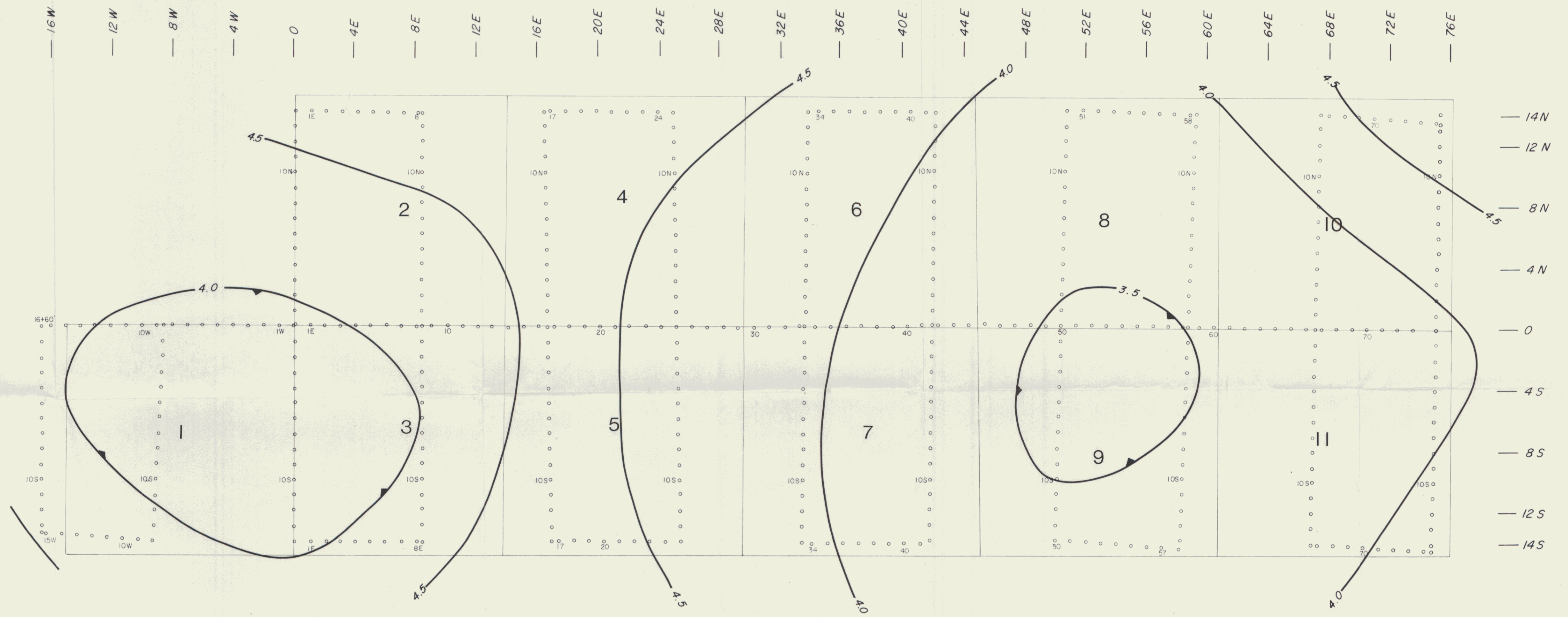
Respectfully submitted,



R.B. Galeski, P. Geoph.



MACKIR MINING LIMITED	
CIVI 1-11 MINERAL CLAIMS	
BOUGUER GRAVITY	
Contour Interval: 0.1 mgals Scale: 1" = 400'	Galeski Consulting July, 1976
AIRBORNE GEOPHYSICAL SURVEYS	

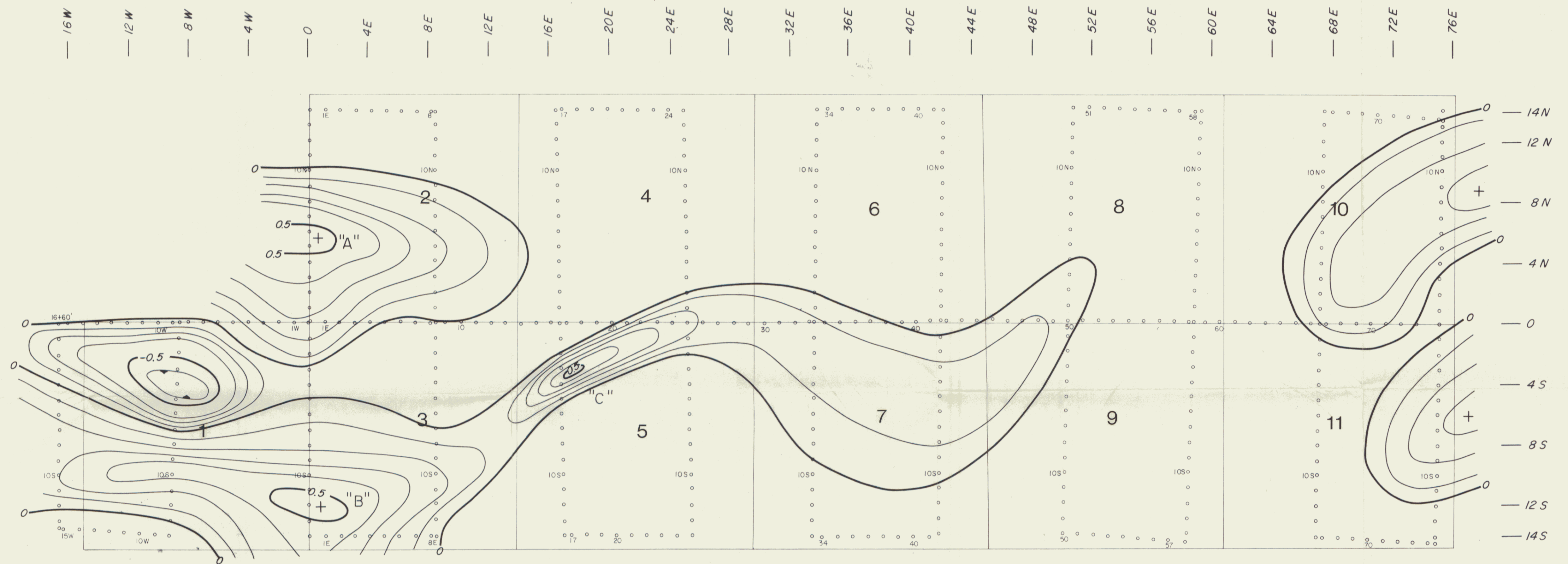


MACKIR MINING LIMITED
 CIVI 1-11 MINERAL CLAIMS
 REGIONAL GRAVITY

Contour Interval: 0.5 mgals
 Scale: 1" = 400'

Galeski Consulting
 July, 1976

AIRBORNE GEOPHYSICAL SURVEYS



MACKIR MINING LIMITED	
<i>CIVI 1-11 MINERAL CLAIMS</i>	
<i>RESIDUAL GRAVITY</i>	
Contour Interval: 0.1 mgals Scale: 1" = 400'	Galeski Consulting July, 1976
AIRBORNE GEOPHYSICAL SURVEYS	



ADDENDUM

The following Personnel were employed for the Civi Mineral Claims:

McCOMBE Micheal..... Meter Operator
#309 - 330 - 9 - Ave. S.W.
Calgary

McCOMBE Micheal (Jr.)..... Rodman
#309, 330 - 9 Ave. S.W.
Calgary

EGAN Ray Surveyor
#309, 330 - 9 Ave. S.W.
Calgary

GALESKI John P. Geol.
12235 Lake Fraser Way S.E.
Calgary

GALESKI Robert P. Geoph.
R.R.1
Priddis



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