

180-#591-#

GRAVITY SURVEY

TWO BIT CREEK AREA

WELLS, B.C.

Cariboo M.D.

93 H / 4 E

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8755
NO. _____

by and for

AIRBORNE GEOPHYSICAL SURVEYS LTD.

R.B.Galeski.

Pr.Geoph.

AIRBORNE GEOPHYSICAL SURVEYS LTD.
4215C - 11th ST. N.E.
CALGARY, - ALBERTA
T2E 6K4

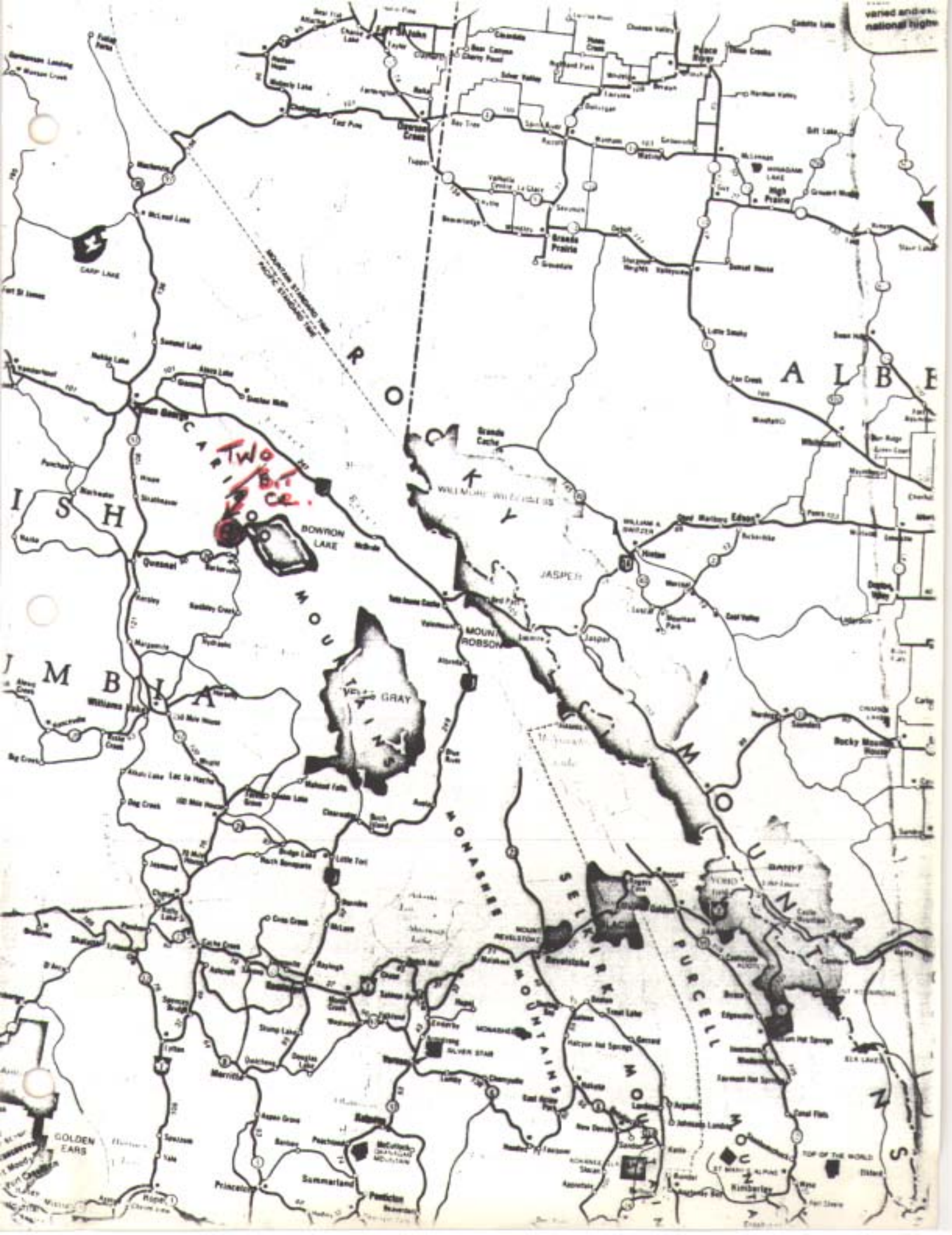
TABLE OF CONTENTS.

Introduction Page 1.

Interpretation Page 2.

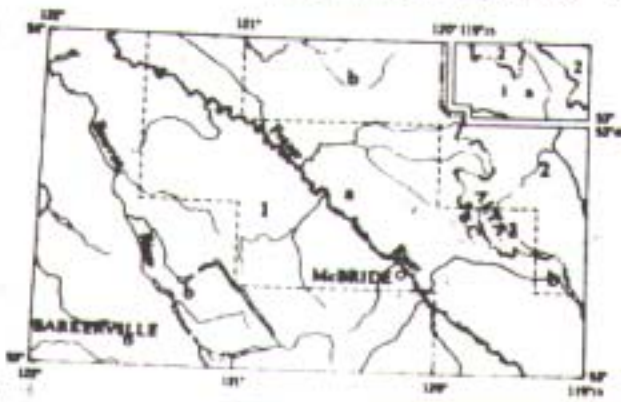
Recommendations Page 3.

Enclosure: Bouguer Gravity Map. 4





First Series Edition, compiled and produced by the Geographic Division, Survey and Mapping Branch, Department of Lands, Forests, and Water Resources, Victoria, B.C. 1965.



RELIABILITY DIAGRAM

1. Planimetry compiled from B.C. Prov. Dept. of Survey and Mapping, 1967-68.

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- Land granted or reserved under the Land Act
- Surveyed Timber Limit
- Indian Reserve
- Government Reserve
- Land Transfer Boundary
- Provincial Forest Boundary
- Tier Forest License
- Municipality
- Water Supply Area
- Park
- Park less than 10 acres
- Campus or Public Use
- Forest Service Location
- Settlement or Locality
- Post Office
- School
- Hospital
- Mine

INTRODUCTION:

A gravity survey was conducted on the Two-Bit Creek claims for Airborne Geophysical Surveys Ltd., by a three man crew of Airborne employees under the direction of M.McCombe, between 29th October, 1979 and 2nd November, 1979. The crew, based in Wells, was equipped with LaCoste & Romberg gravity meter G-232, a Wild Theodolite and auxiliary survey equipment and a 3/4 ton Ford F-250, 4x4 pickup.

Approximately 115 stations were metered at 100 foot intervals along the main east-west bush road of the area and along four trails on the south side of the road. Station interval is 100'. An elevation of 3800' @.s.l. was assumed at base "A" (see map) which is at 0+00 on the main road. All values were tied into this station. Gravity readings were read to 0.01 mgls, elevations to one foot. Base station was checked at 2 - hour intervals. Corrections were made in the field in a conventional manner for drift, elevation and latitude; and Bouguer values were calculated for each station. These are presented with this report and contoured at a 0.1 mgal interval.

Total cost of this project was \$2,631.00.

October 29/79 to November 2/79 = 4 Days

Gravity Meter & Survey

2 Man Survey Crew

1 Gravity Meter Operator

4 Days @ \$600.00 = \$ 2,400.00

2 Vehicles - Operating Costs = 231.00

Total Costs For Project to Airborne Surveys Ltd. \$ 2,631.00

INTERPRETATION:

The following interpretive comments are based entirely on the Bouguer map, as there is insufficient lateral coverage to establish regional gravity trends that might be used to isolate local residual features.

Two Bouguer positives may be seen on the map. Northerly closure is inferred, rather than actually mapped, so both are suspect. The one labelled "A" appears to be sharper than "B" and therefore more shallow rooted.

Calculated maximum possible depth on the "heavy" causative masses of both is 130 feet. The source of each could be barite or other heavy mineral occurrences. Also it could be a local thinning of overburden cover atop knobs on the pre-overburden surface.

RECOMMENDATIONS:

1. Extend gravity lines north of anomalies "A" and "B".
2. Should these anomalies be confirmed, consider short refraction lines over each to map overburden thickness.
3. If the anomalies are confirmed as to sub-overburden source, consider drilling each to 150 feet.

Robert B. Galeski.

R.B.Galeski.

Airborne Geophysical Surveys Ltd.



Airborne Geophysical Surveys Ltd.

CALGARY _____ ALBERTA

4215C - 11TH STREET N.E.
CALGARY, ALBERTA T2E 6K4
PHONE: (403) 276-9032

STATEMENT OF QUALIFICATIONS

I, Robert B. Galeski, state that;

1. I am a registered professional geophysicist in the province of Alberta.
2. I reside near Calgary, Alberta.
3. I received a B.Sc. degree in geology from the California Institute of Technology.
4. I have had thirtyseven years professional experience in geology and geophysics.
5. For the past fifteen years I have been a geophysical consultant and president of Airborne Geophysical Surveys, Ltd.

Robert B. Galeski

Robert B. Galeski.
P. Geoph.
April, 1981.



Airborne Geophysical Surveys Ltd.

CALGARY

ALBERTA

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CALGARY, ALBERTA T2E 6K4
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STATEMENT OF QUALIFICATIONS

I Michael McCombe. #5, 27 Silverspring Dve. N.W. Calgary,
state that

1. Mt. Allison University.
2. Have been active in Mining Exploration for 33 years.
3. Have operated Wordon, Sharp & LaCoste & Romberg gravity meters since 1964.
4. Compute Gravity Data up to and including Bouguer and residuals.
5. Presently Party Manager (Gravity Division) for Airborne Geophysical Surveys Ltd. Calgary, Alberta.

M. McCombe

M. McCombe.

The costs to the company are assessed and itemized as follows:

Rental of Gravity Meter

4 days @ \$30.00/day \$120.00

Rental of 4 wheel drive

4 days @ \$70.00 \$280.00
Travel 800 miles.

Wages - Gravity operator

4 days @ \$125.00 \$500.00

Survey Crew

2 men @ 4 days @ \$150.00 \$600.00

Room & Board.

3 men @ 4 days @ \$40.00/man day \$480.00

Compilation of Data. & Maps.

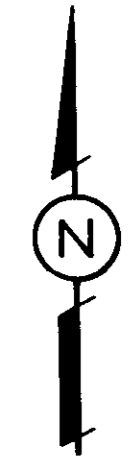
3 days @ \$100.00 \$300.00

Drafting \$120.00

Misc. Hardware & Supplies \$31.00

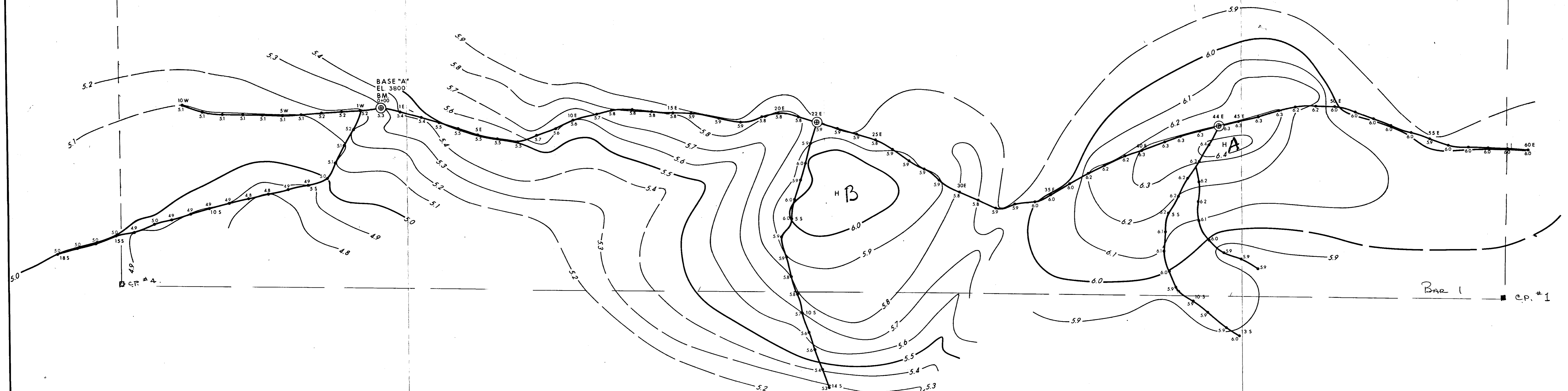
Interpretation & Report \$200.00

TOTAL COSTS \$2,631.00



CLAIM LINE

CLAIM LINE



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AIRBORNE GEOPHYSICAL SURVEYS LTD	
TWO BIT CREEK WELLS B.C. (1)	
GRAVITY MAP BARITE PROSPECT	
GEOLOGIST: M. MCCOMB R.B. GALESKI	DATE: FEB. 1980
SCALE: 1" = 200'	CONTOUR INTERVAL: 0.1 mgal.