

1767

CRAIGMONT MINES LIMITED

REPORT ON

Geophysical Survey
on the

West Group of Two Mineral Claims
Located 11 Miles N. W. of Merritt, B.C.

N 50° - W 120°

20 June, 1968 to 4 July, 1968

Robert J. Young - P. Eng.

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Magnetometer Survey (West Group)

(in back)

CLAIMS

The West Group of 2 mineral claims is located approximately 11 miles northwest of the town of Merritt, B.C. The group covers a portion of the northwest slope of Promontory Hill, and lies approximately 1 mile northwesterly from the Forestry Lookout on the top of the Hill.

The individual claims and record numbers are as follows:-

<u>Claim</u>	<u>Record Number</u>
Gayle No.1	33994
Bridget No.1	33995

Magnetometer Survey of the West Group

20 June, 1968 to 4 July, 1968

STATEMENT OF EXPENSES

Labour:-

G.E. Hickling - 8 days at \$24.00/day	\$ 192.00
A. Fukushima - 7 days at \$24.00/day	168.00
Transportation - Land Rover - 1½ weeks at \$250.00/month	95.00
Supervision - R.J. Young, P. Eng., 1 day at \$40.00/day	40.00
Total	<hr/> <u>\$ 495.00</u> <hr/>

Geophysical Report on a Magnetometer Survey on the Gayle No.1 & Bridget No.1
Mineral Claims (West Group)

PURPOSE OF THE SURVEY

The survey was performed to locate magnetic anomalies caused by magnetite occurrences and with which copper mineralization could be associated. It was also done in order to obtain a better appreciation of the bedrock structures in the area.

LOCATION AND ACCESS

The claims are located approximately one mile northwest of the Promontory Hills Lookout. The Lookout, in turn, is located approximately ten miles northwest of the Town of Merritt.

The claims may be reached by:

- (i) Dirt road leading westerly from the south waste dumps of the open pit at Craigmont to the northwest slope of Promontory Hill. This road is suitable for 4-wheel drive vehicles only. From the road one must walk approximately 1,500 feet to the claims.
- (ii) Gravel and dirt road which leaves the main Promontory Hill road from the east side about a mile below the lookout. This road joins the road above. Again, this road is suitable for 4-wheel drive vehicles only.

TOPOGRAPHY AND VEGETATION

The topography in the area of the claims consists of a moderate northwesterly facing slope which is cut by several small creek gulleys.

Vegetation consists of, largely, small jackpine with an underbrush of small shrubs. These are growing up through debris remaining from a fire which razed the area some time ago. This area is very difficult to move about or cut line in.

GEOLOGY OF THE AREA

There is no known outcrop in the claim area. However, magnetometer surveys, of which this survey is a small extension, suggest that the contact between the Guichon Batholith and the Nicola Series is located a short distance south of the southern boundary of these claims. If this is true then the claims are underlain by "Border Phase" diorite of the Guichon Batholith.

EQUIPMENT

The instrument used is a Jalander Fluxgate Magnetometer. (Serial No.57143). This instrument has an accuracy of 10 gammas and a range of 10 - 250,000 gammas over 5 sensitivity ranges.

PROCEDURES

The existing grid was extended. Lines 90, 92, 94 and 96 were cut out and chained with stations being established at 100 foot intervals, horizontally, along the lines.

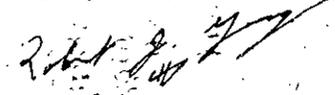
The magnetometer survey was then done over the grid. Basically readings were taken at the 100 foot stations along the lines. Where large magnetic variations existed some "fill in" readings at 50 foot intervals were taken. The positions of fill in stations were estimated on the ground.

The readings were then calculated out, adjusted for diurnal variations, adjusted so as to have the same datum as the pre-existing survey on the adjoining claims (not shown) and plotted as shown on the plan.

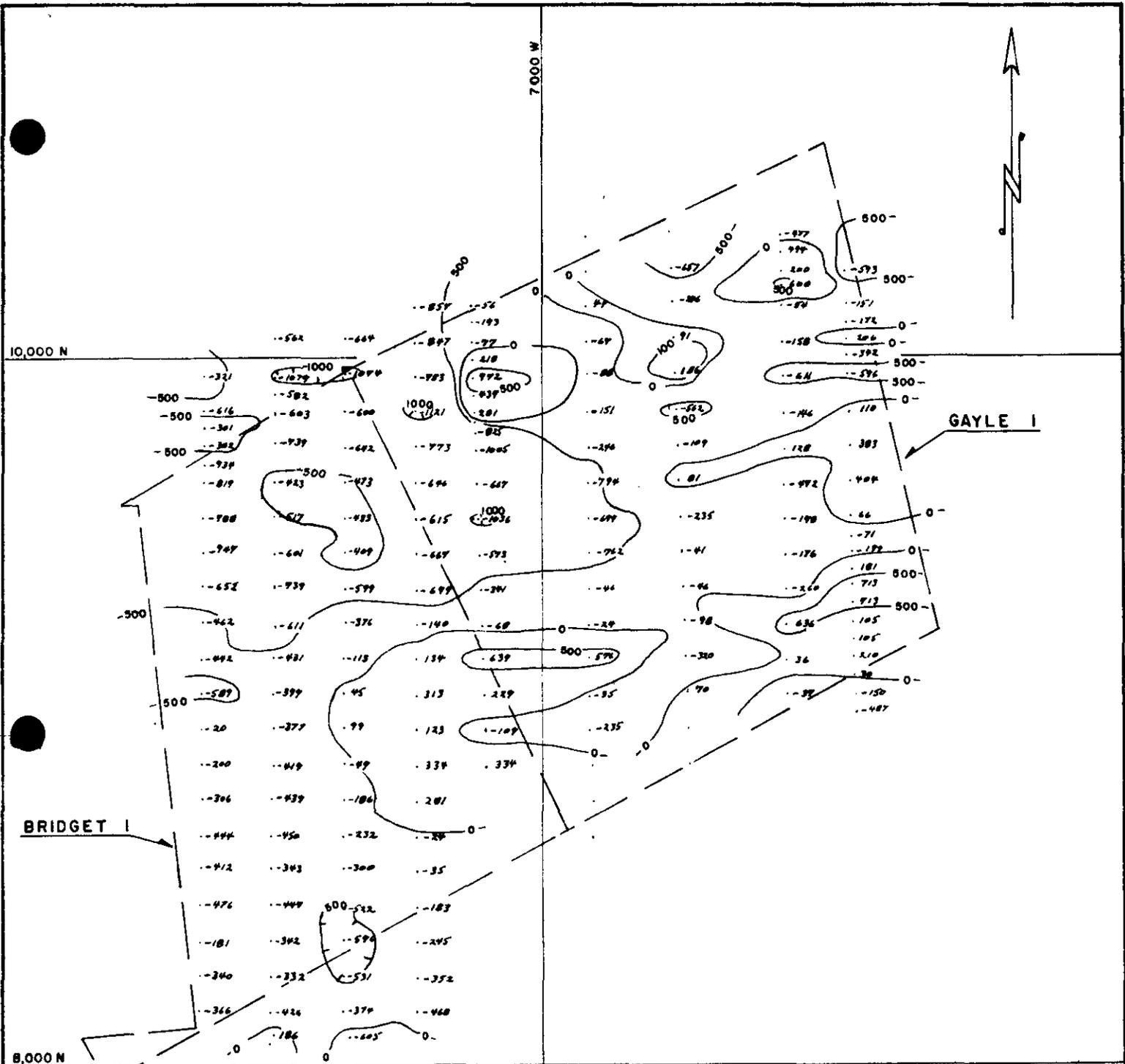
RESULTS

The results of the survey are as shown on the plan. Variations in the magnetic potential surface are believed to be due to variations in the magnetic susceptibility of the rock in the Border Phase diorites of the Guichon Batholith.

Respectfully submitted,


R.J. Young, P. Eng.,
Exploration Geologist.

RJY/lae/cms



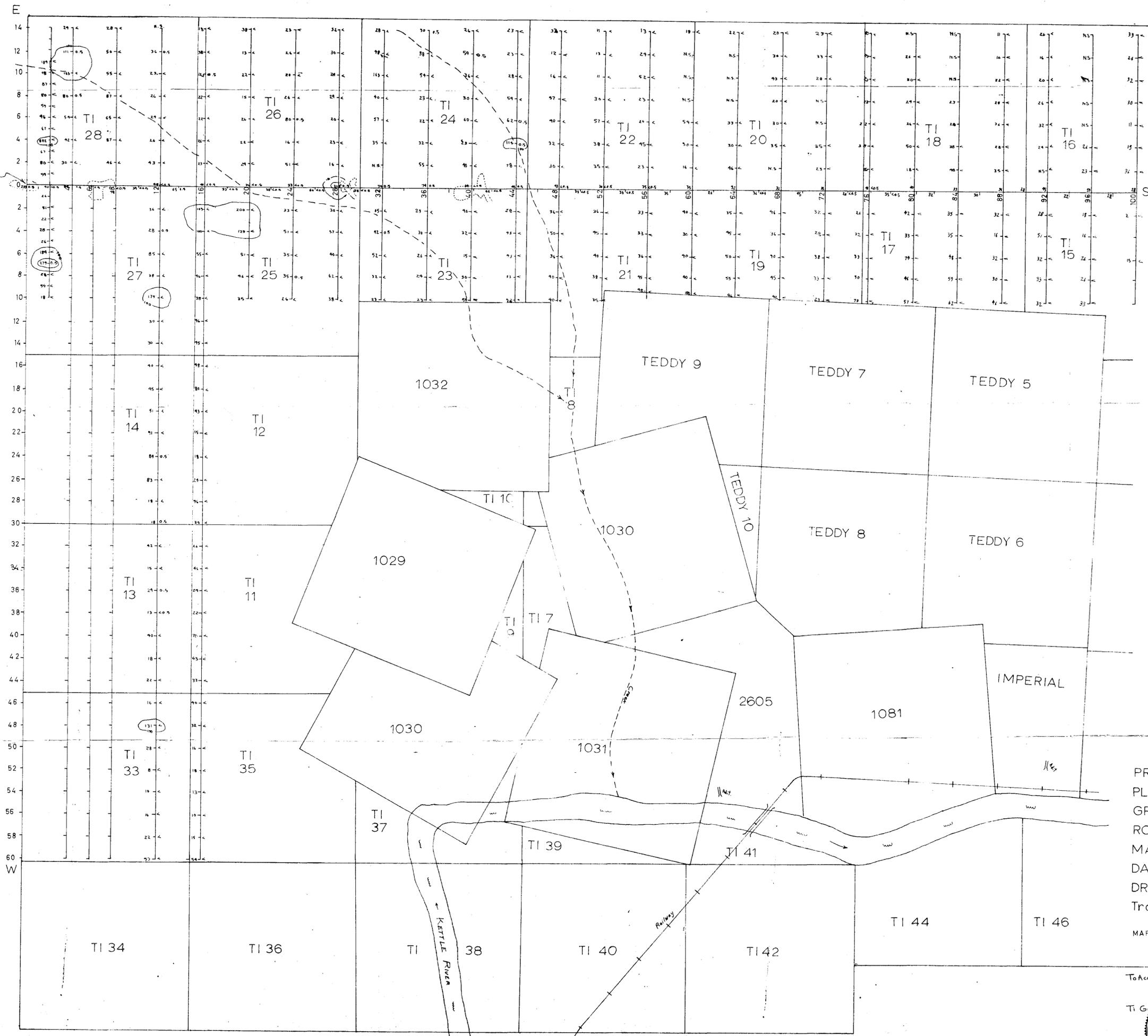
Robert J. Young
 14 March, 1969

MAGNETOMETER SURVEY (WEST GROUP)

1" = 400'

<p>CRAIGMONT MINES LIMITED MERRITT, B.C.</p>	<p>DRAWN BY - R.J. YOUNG TRACED BY - A. MOSLEY DATE - MARCH 11, 1969</p>
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Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 1767 MAP 1



Explanation

- Boundary of TI group
- 24 < 29 — Less than 0.5 parts per million Silver
- 53 < 58 — p.p.m. Silver
- p.p.m. Copper
- 50 — Footage
- — Bulldozer cut
- Contour Copper (interval 100 p.p.m.)
- — No sample

SCALE: 1 inch = 400 feet



PROJECT II, TI GROUP
 PLAN OF GEOCHEMICAL
 GRID & CLAIMS
 ROCK CREEK AREA
 MAP 82E/2W
 DATE: June 8/68
 DRAWN BY: STEVE ENS
 Traced by: D. Poliquin

MAP NO. 1 **1767**

To Accompany Geochemical Report by
 J. Duane Poliquin P.Eng.

Ti Group NE of Rock Creek.

