

EDWARD GREER MOUNTAIN  
1045 Pender St.  
Vancouver 1  
STE. 5 1045 W. PENDER ST.  
VANCOUVER, B.C.

REPORT  
on  
AIRBORNE GEOPHYSICAL SURVEY

flown by  
(waeco)

WATERTON AERONAUTICS & EXPLORATIONS LTD  
4210 Almond Road  
West Vancouver

- covering -

- P.G. No. 1 to 32 Mineral Claims
- S.C. No. 1 to 14 Mineral Claims
- S.R. No 11 & 13 Mineral Claims

Located on Telkwa Mountains, Starr Creek Basin  
Area

Omineca Mining Division  
OMINECA, BRITISH COLUMBIA

(Map 471A, Smithers Fort St. James sheet,  
Latitude 54°35', Longitude 127°40' S.W.)

93 412

Airborne Survey flown by  
Mr Claude Waterton  
(waeco)

for EDWARD GREER  
at TELKWA MOUNTAIN MINES LTD  
Suite 5, 1045 W. Pender St  
Vancouver 1, B.C.  
February 20th, 1968

ENGINEERS REPORT  
by  
F. C. Tomlinson P. Eng.  
(Consulting Mining Engineer)

GOVERNMENT AGENT  
RECEIVED  
MAY 21 1968

SMITHERS, B. C.

1623

NAME

No.

1623

I N D E X

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COPY OF BRIEF REPORT SIGNED BY CLAUDE WATERTON, DATED APRIL 1st, 1968. ....	3.

IN ENVELOPE ATTACHED.

MAP 1. Location Map, showing lines flown with respect to claim group.

MAP 2. Composite print copy, showing GRID and E.M. anomalous areas with Magnetometer Depression areas and Radioactivity.

*init.*

TELKWA MOUNTAIN MINES LTD (N.P.L)

ADDENDA REPORT ON P.G., S.C. and S.R. Group  
of 48 Mineral Claims

A I R B O R N E     G E O P H Y S I C A L  
S U R V E Y

Feb. 20th, 1968

Vancouver, B.C.  
May 8th, 1968

F.C. Tomlinson P.  
Eng.  
Consulting Engineer

INTRODUCTION

This is a report on the Airborne Geophysical Survey on P.G. S.C. and S.R. Group of 48 Mineral Claims, Telkwa River Area, Omineca Mining Division, Omineca, British Columbia and submitted by the writer in addition to the Preliminary Report submitted to Telkwa Mountain Mines Ltd., on October 6th, 1967.

1. In accordance with my recommendations for preliminary program, 1968, (page 11), in the above mentioned report, an airborne, electro magnetic, geophysical survey, which combined magnetometer, scintillometer and electromagnetic survey was made, over the 48 recorded claim group, in the Starr Basin, of the Telkwa Mountain Range, by Waterton Aeronautics & Explorations Ltd, (waeco) of 4210, Almond Rd. West Vancouver, B.C.
2. Mr Claude Waterton, of waeco Ltd., who conducted the combination airborne geophysical reconnaissance has submitted his report thereon and his letter is enclosed herewith.
3. Approximately 100 line miles of air traverses were flown in an area of 12 square miles. The traverses were flown at 306° true North, maintaining very approximate 500' ground clearance, except for deep enclaves., in a single engined, fixed wing aircraft.
4. The equipment consisted of a FLUXGATE MAGNETOMETER RMF-3 SHARPE, adjusted to return to "0" fast enough for aircraft movement. NUCLIONETER: DETECTRON - DR 229, 24 tubes Reading in units .001 ME/Er. ELECTROMAGNETIC RECEIVER COIL was set at 90° to transmitted field. The method incorporates the combined readings from a fluxgate magnetometer and electro magnetic unit recorded on 8 mm film and timed electrically.

*F.C.T.*

(Telkwa Mountain Mines Ltd.  
Airborne Geophysical Survey)

REPORT

The attached print MAP NO. 1 shows the location of the P.C., S.C. and S.R. group of claims and the area flown at 500 feet intervals.

A grid plan showing the recorded readings on each line at 500 feet intervals was supplied by The Waterton Aeronautics & Explorations Ltd., with transparent overlays, showing areas with E.M. readings in m.gps. and over, and areas of Magnetometer depression, Radio activity, is indicated by small circles - units of .001 Mt/Hr and large circles .002 Mt/Hr.

The attached print MAP NO. 2 is a composite of the grid and the overlays.

Some of the anomalous areas indicated by strong E.M. readings along with radioactivity, together with magnetometer depression appear to coincide with known mineralized areas, which have already been earmarked for GEOPHYSICAL SURVEY.

RECOMMENDATIONS

It is recommended that a reconnaissance ground E.M. and Magnetic survey be conducted over widely spaced lines, say 800 ft. intervals, to investigate the anomalies indicated by the airborne survey. Some areas where extensive outcrops of unmineralized granite rock occur can be omitted.

Additional intermediate lines can be cut and surveyed where the ground survey indicates anomalous areas. Area underlain by contacts between diorite, granodiorite or porphyry and THE HAZELTON SERIES should be investigated thoroughly. Also zones where there is evidence of faulting.

Systematic soil sampling is recommended for areas covered by glacial till or overburden.

Cost of the above work has been estimated in the preliminary REPORT, (page 12).

*F.C. Tomlinson*  
F.C. Tomlinson, P. Eng.

*Ad 7*

(Telkwa Mountain Mines Ltd., Airborne Geophysical  
Survey)

WATERTON AERONAUTICS & EXPLORATIONS LTD.

waeco

4210 Almond Road, West Vancouver, B. C., Canada - Telephone 922-3510

Prospecting  
Geophysical Reconnaissance  
Air . . . . Ground

Mr. Edward Greer  
Telkwa Mountain Mines Ltd.  
5 - 1045 W. Pender Street  
Vancouver 1, B.C.

April 1, 1968

Dear Mr. Greer:

On completion of the combination airborne geophysical reconnaissance over the Telkwa Mountain Mines claims near Eagle Peak B.C. we find that E.M. indication is strong and in the range that usually indicates sulphides.

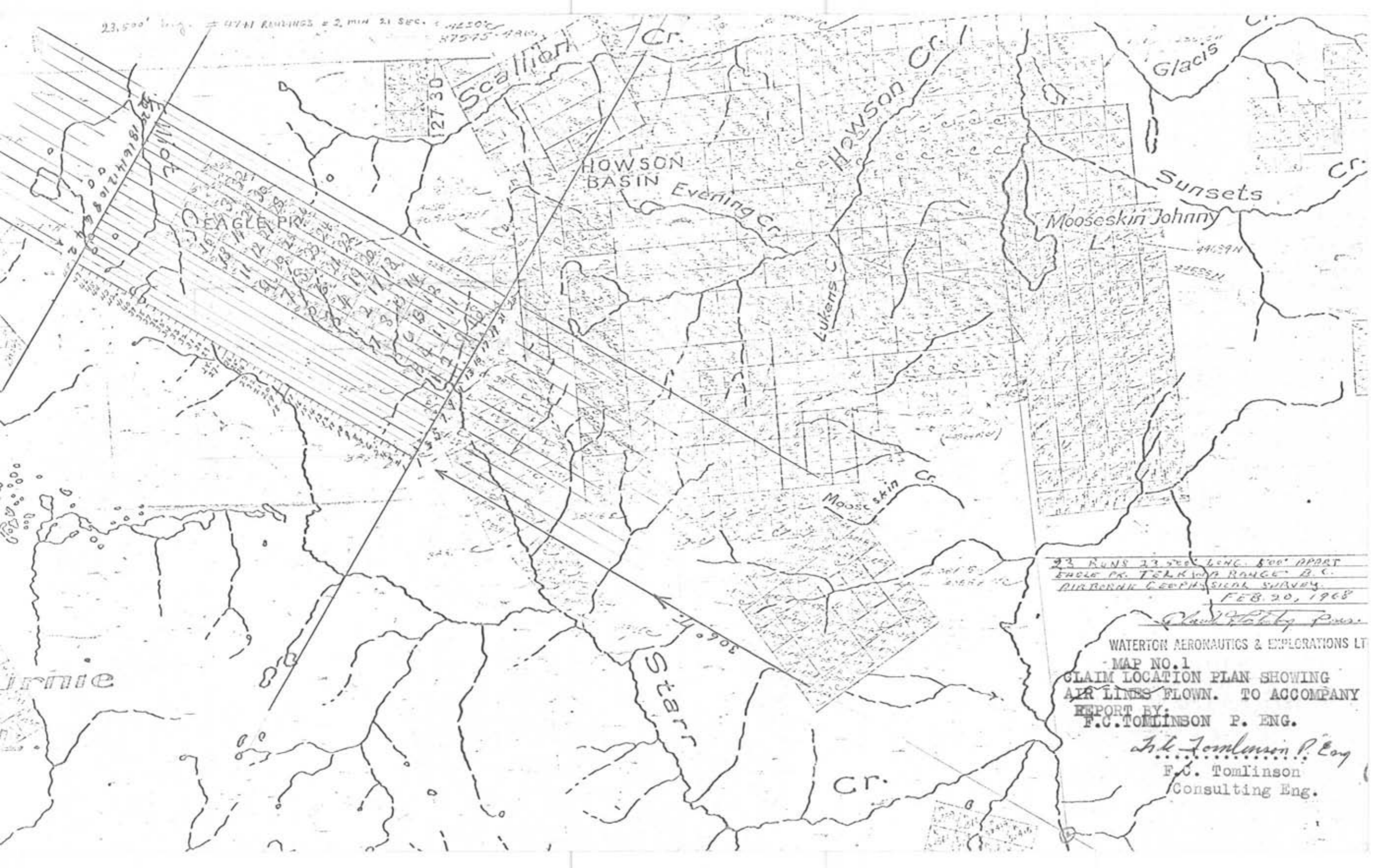
There is also radioactivity together with a magnetometer depression and we feel that the possibility of mineralization should be good.

Yours very truly

  
Claude Waterton

*Handwritten initials*

23,500' long. # 4741 RANGES # 2, MIN 21 SEC. # 4250' 27575' 2910'



23 RUNS 13 YDS LONG 500' APART  
EAGLE CR. TELKINA RANGE B.C.  
AIRBORNE GEOPHYSICAL SURVEY  
FEB. 20, 1968

*David Stubby Pons*

WATERTON AERONAUTICS & EXPLORATIONS LTD  
MAP NO. 1  
CLAIM LOCATION PLAN SHOWING  
AIR LINES FLOWN. TO ACCOMPANY  
REPORT BY:  
F.C. TOMLINSON P. ENG.

*F.C. Tomlinson P. Eng*  
F.C. Tomlinson  
Consulting Eng.

Irnie

Steer Cr.

HOWSON BASIN

EAGLE PIT

Sunsets Cr.

Moose skin Johnny

Glacis Cr.

Moose skin Cr.

Lukens Cr.

Evening Cr.

Scallion Cr.

Howson Cr.

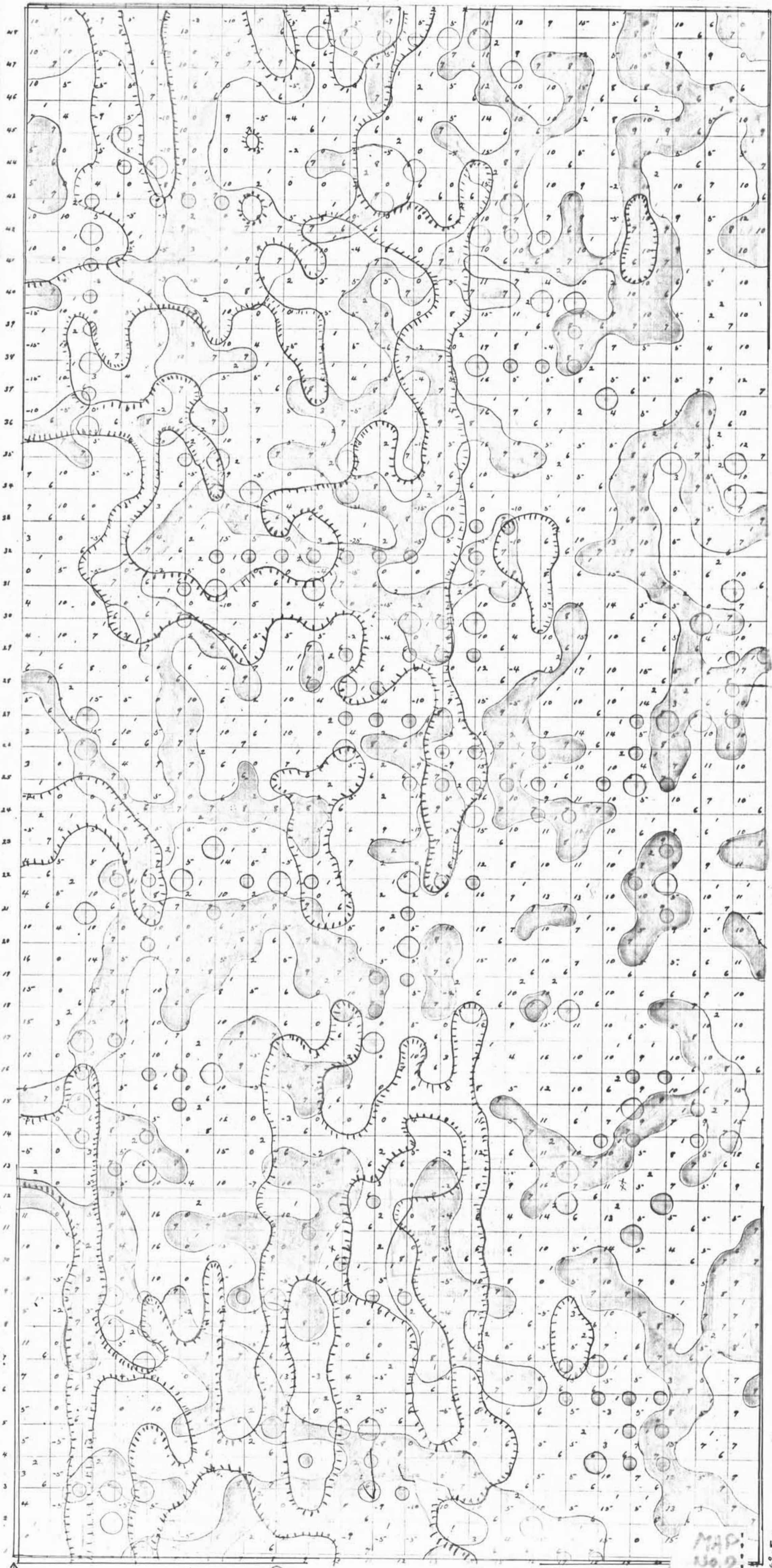
27 30

306 ft

cr.



*Edward Green*

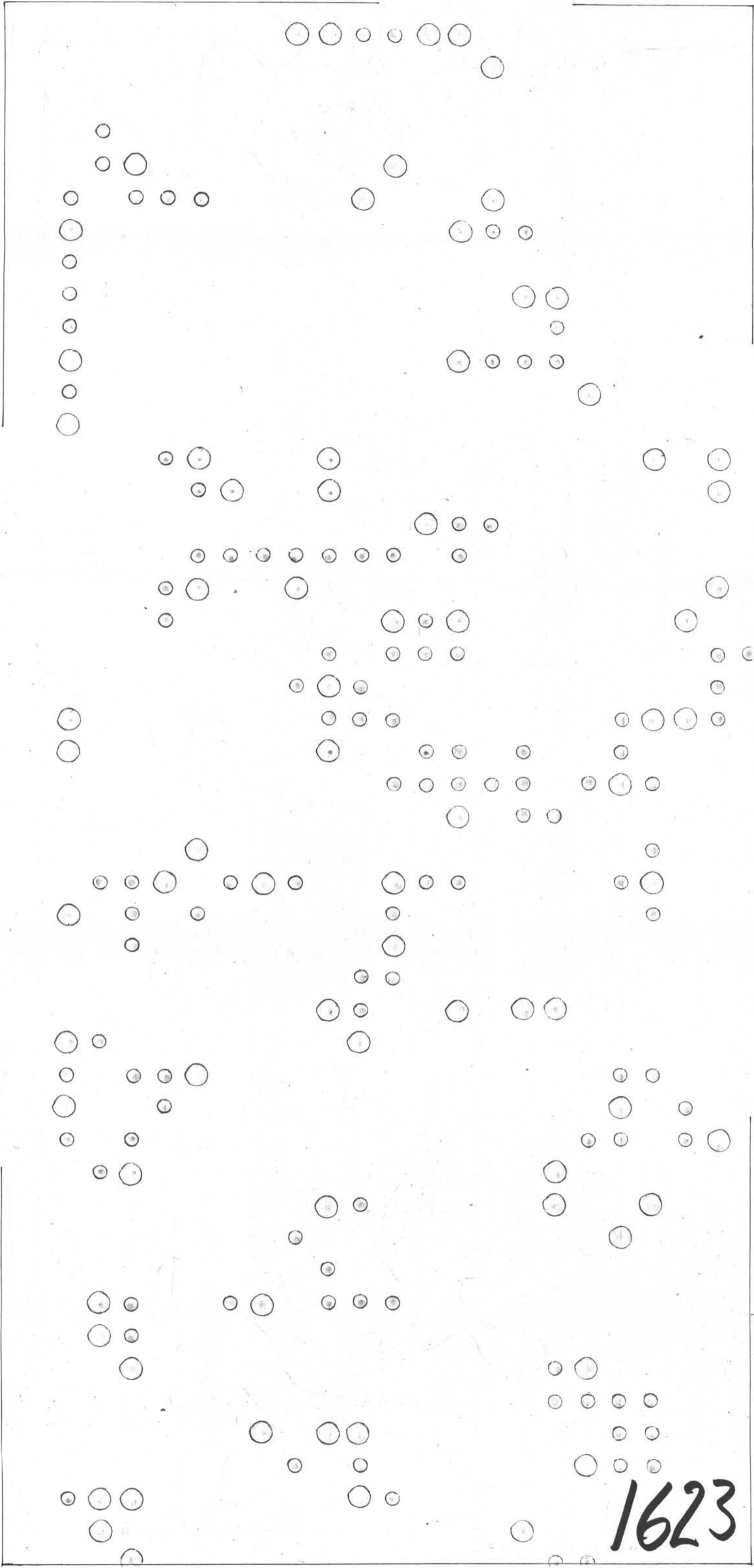


AREA OF MAGNETOMETER DEPRESSION = .001 MA/HR. RADIOACTIVITY  
 AIRBORNE GEOPHYSICAL SURVEY  
 EAGLE PEAK TELKWA RM  
 RUNS 500' APART RECORDS  
 SCALE 1000' TO ONE INCH  
 CANADA PAT. NO. 704308 (COPY)

MAP No. 2  
 Composite Plan  
 AIRBORNE GEOPHYSICAL SURVEY  
 by  
 WATERTON AERONAUTICS & EXPLORATIONS  
 To accompany REPORT by  
 F.C. TOMLINSON, P. Eng.  
 May 8th, 1968  
*F.C. Tomlinson*

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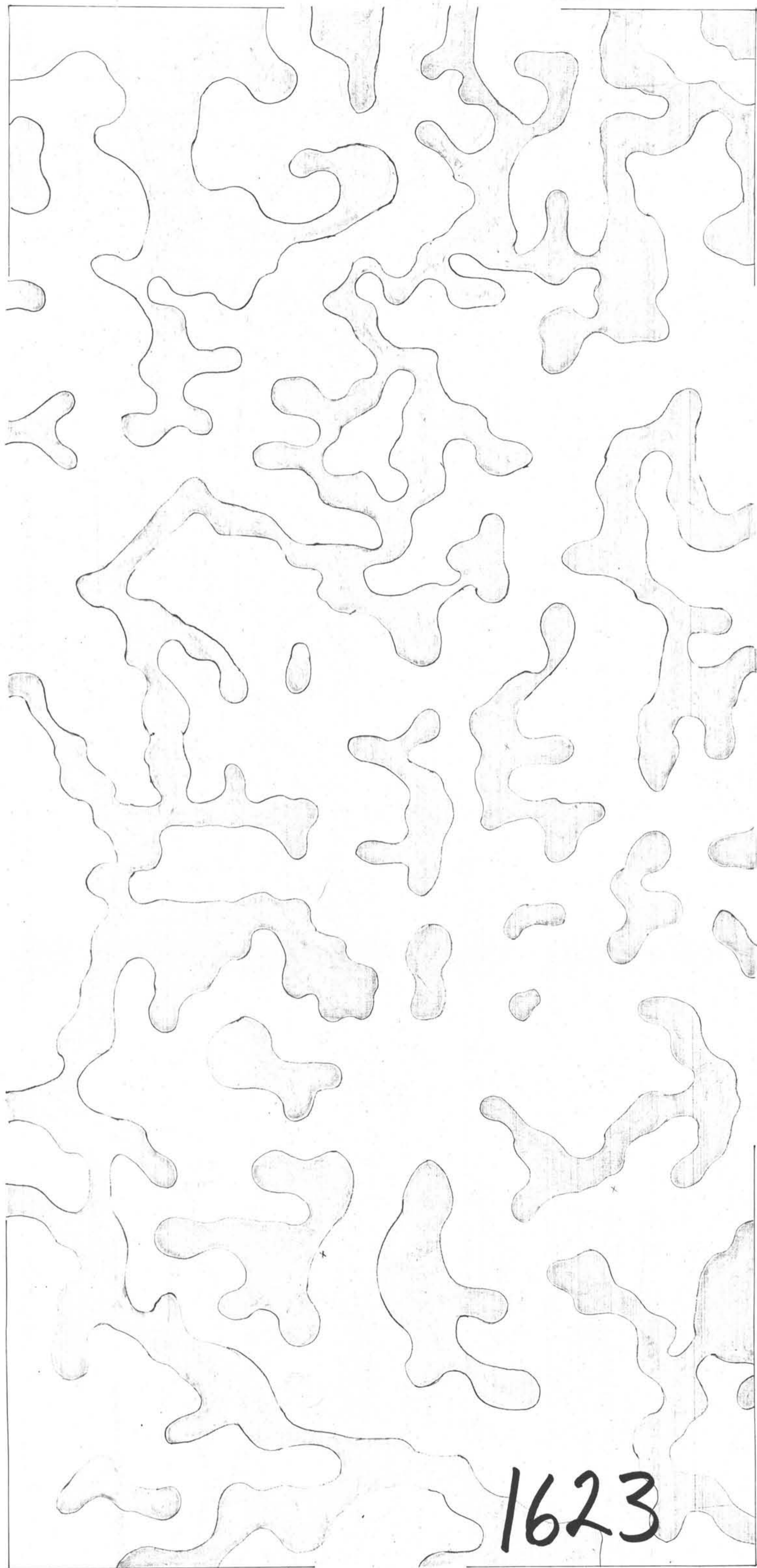


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MAP 2C  
 Edwards, Jr. = .001 MA/HR. RADIOACTIVITY

396° T. ↑



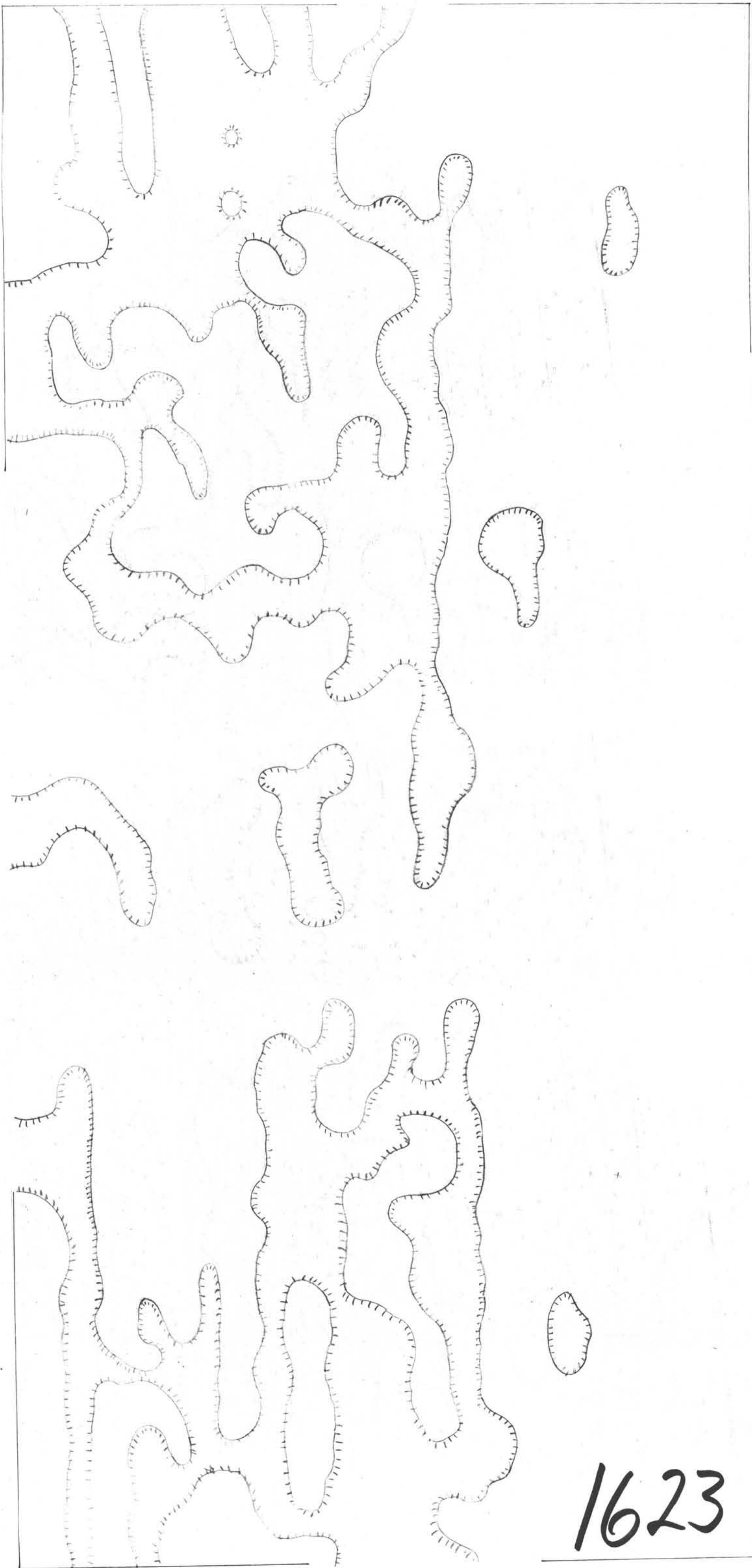


MAP 2B Edward. Green

⊙ = 7 PLUS ELECTROMAGNETIC

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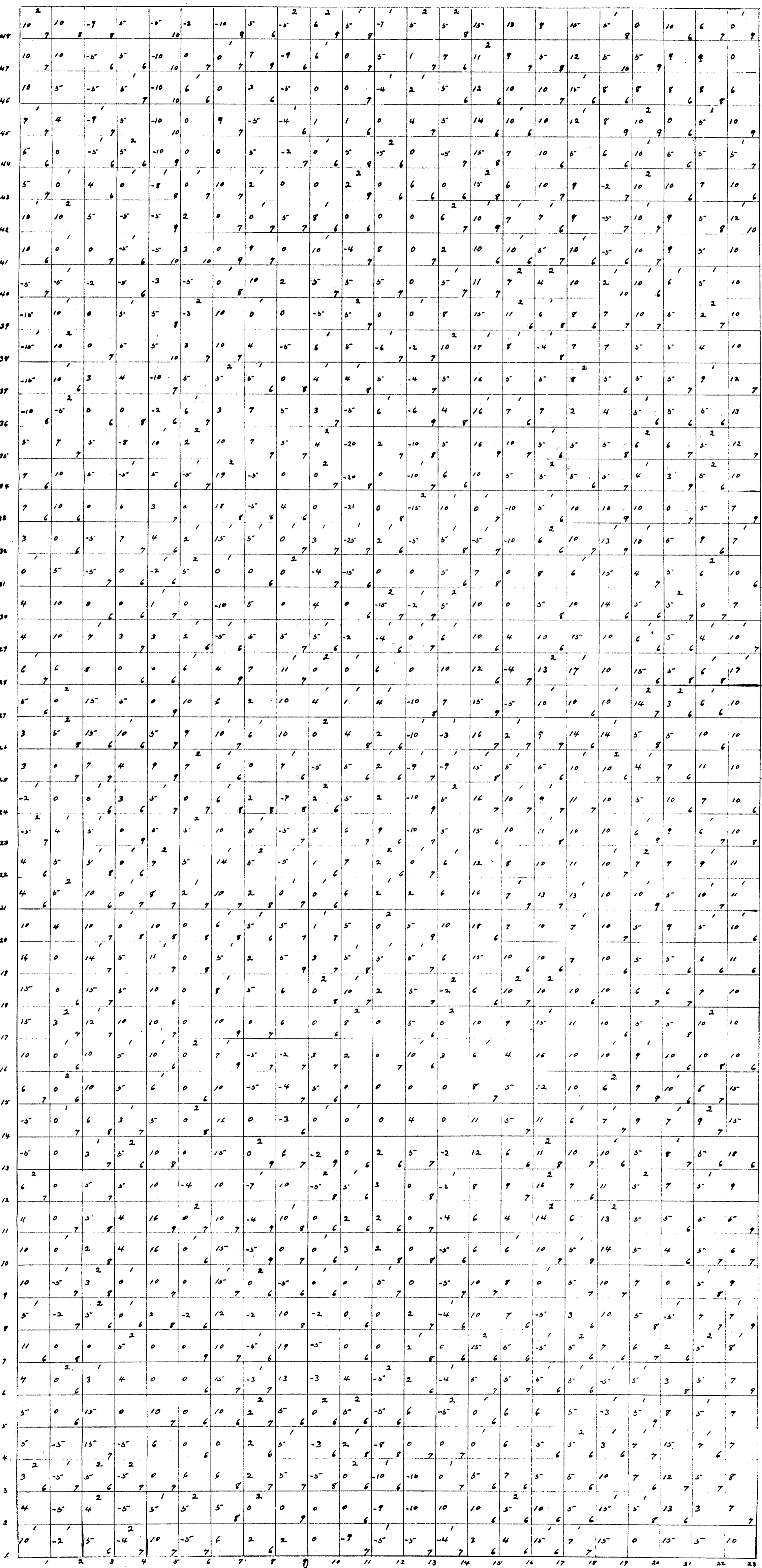
↑ 306° E



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3060 T. ↑

AREA OF MAGNETOMETER DEPRESSION  
MAP 2A Edward Geer.



MAP 2 D Edward Green

AIRBORNE GEOPHYSICAL RECONNAISSANCE FEB. 20, 1968  
 ERGLE PEAK TELKWA RANGE B.C.

RUNS 500' APART RECORDED READINGS 500' APART

SCALE 1000' TO ONE INCH

CANADA PAT. NO. 748,308 (1968)

WATERTON AERONAUTICS & EXPLORATIONS LTD.

*Charles Smith*  
 Pres.

1623

ELECTROMAGNETIC IN GAUSS  
 RADIOACTIVITY UNITS PER HOUR  
 MAGNETOMETER UNITS OF 100 GAMMA

3060 T

3060 T