

6032

MAGNETOMETER SURVEY
ON THE
PAULA CLAIMS
USK AREA
OMINICA MINING DIVISION, B. C.

Part 1

FOR

INTERNATIONAL SHASTA RESOURCES LTD. (N.P.L.)
3751 Bayridge Ave.
West Vancouver, B.C.

BY

J. P. ELWELL, P. Eng.
1030 - 510 West Hastings Street
Vancouver, B. C.

February 3rd, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. <u>6032</u>

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Appendix A - Statement of Cost

MAPS

Location Map of Paula Claims - follows p. 1

Tectonics Map follows p. 2

Map #1 Magnetometer Survey, Paula Claims)
#2 Geochemical Plans, Paula Claims) in pocket

MAGNETOMETER SURVEY, PAULA CLAIMS,
OMINICA MINING DIVISION, B.C.

INTRODUCTION

During September 1976, a ground magnetometer survey was conducted over the Paula Claim group located in the Usk area of the Ominica Mining Division of B. C. The field work was carried out by Canada Geosystems Ltd., Langley, B. C. and the results were reproduced as a contoured map prepared under the supervision of P. H. Tate Blanchet, P.Eng.

This report on the results of the survey was written for International Shasta Resources Ltd., 3751 Bayridge Ave., West Vancouver, B. C.

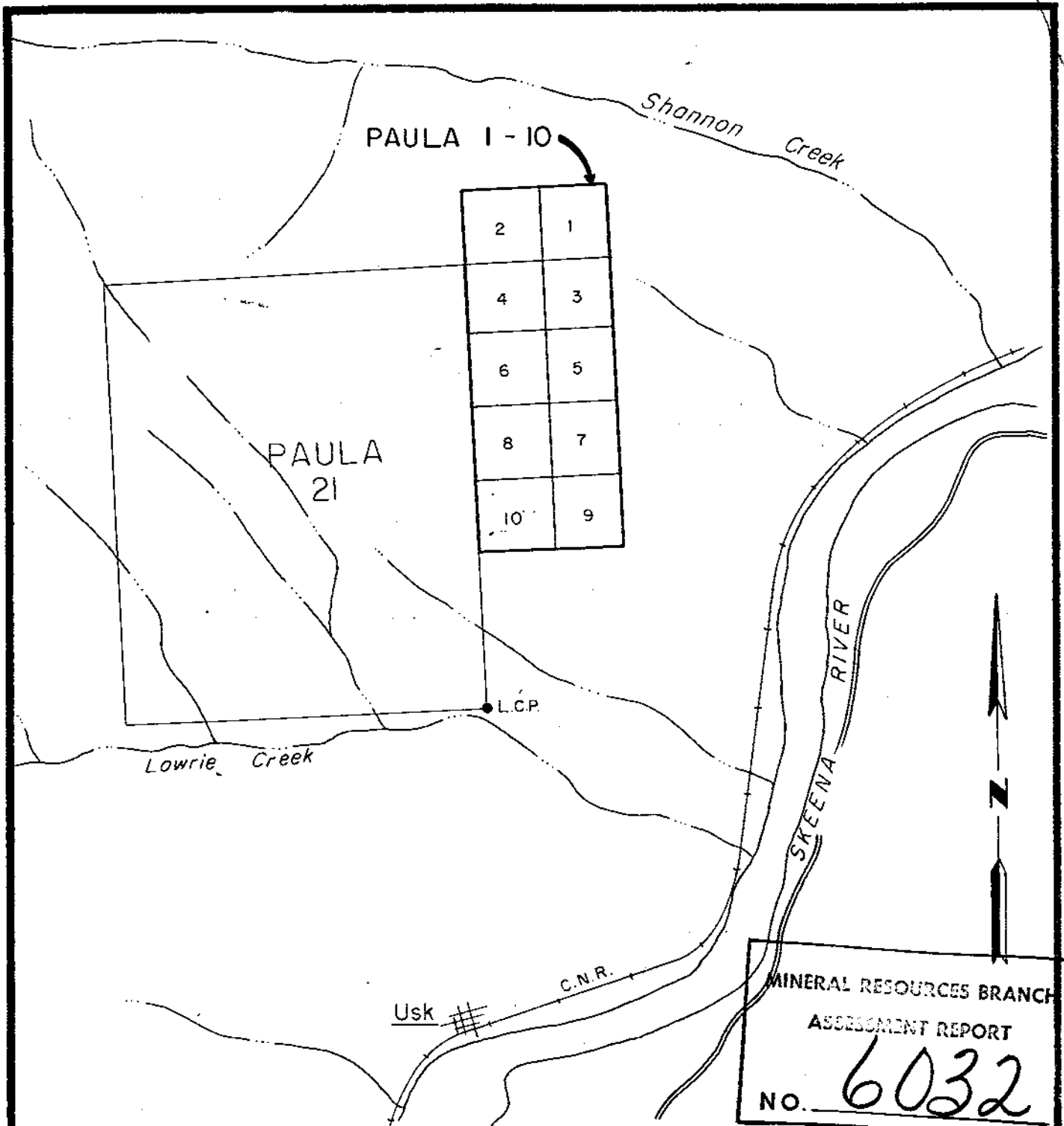
LOCATION AND ACCESS

The Paula claims are located on the west side of the Skeena River, just north of Usk, B. C. between Lowrie and Shannon Creeks. The terrain is mountainous, and heavily timbered, with an average elevation of about 2,200 feet.

Access to the property is by way of Highway #16 east from Terrace for 13 miles to the Usk ferry, and then by 2 miles of road along the west side of the river. From this point, a four-wheel drive road has been constructed up the mountain to the southeast part of the claims. The remainder of the area is reached by helicopter. A location map, drawn from claim map 1031 9W accompanies this report.

PROPERTY

The property of ten located claims, Paula #1 - #10, Record Nos. 132280N to 132289N inclusive, and one claim Paula #21, Record No. 155(q) consisting of 20 metric units which has been staked by the Modified Grid System.



INTERNATIONAL SHASTA RESOURCES LTD. NPL

LOCATION MAP
PAULA CLAIMS
USK AREA, SKEENA MIN. DIV., B.C.



103 I 9 W

J.P. ELWELL, P. Eng.

FIELD PROCEDURE

Grid lines were cut at 500 foot spacing with 200 foot station intervals. Magnetic readings were taken with a Sabre Mk 11 Fluxgate magnetometer manufactured by Adams Marine and Electronics Ltd., 1830 Ontario St., Vancouver, B. C. The gamma readings noted were total, without correction for diurnal variation. Field work was started on Sept. 3rd, 1976, and completed Sept. 11th, 1976. A total of 34 km of line were surveyed.

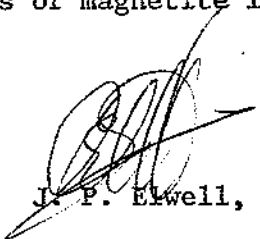
The results were plotted on the 1:10,000 scale map at contour intervals of 1,000 gammas which accompanies this report.

INTERPRETATION OF RESULTS

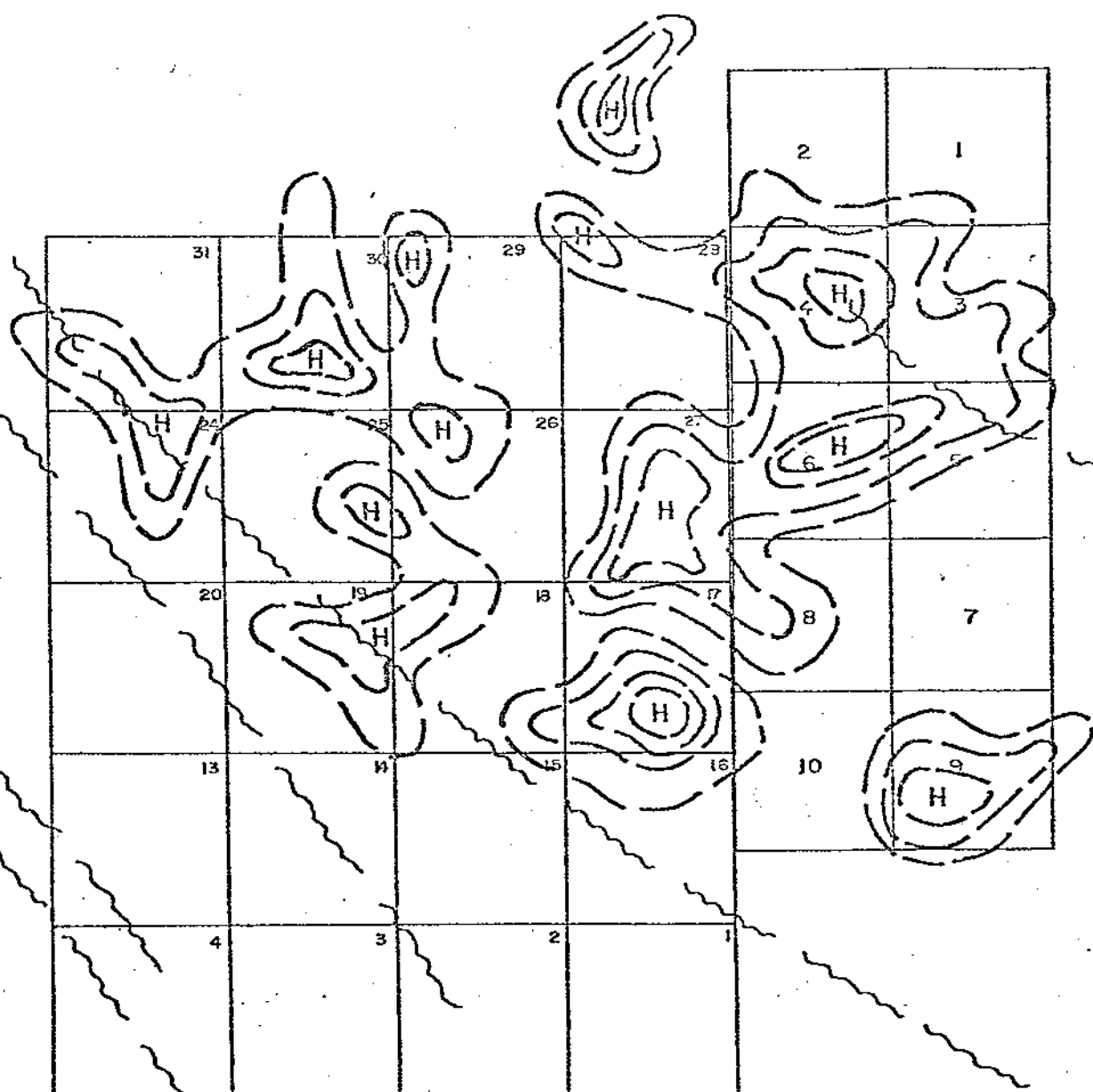
An examination of the magnetic contour map shows a number of magnetic highs some of which generally correspond to fracture density highs resulting from the photogeological study of the area carried out previously (see Tectonics Map accompanying this report). For example, the magnetic high on the Paula 9 claim corresponds with the fracture density high and the intrusive domes outlined on the Geochemical Plan (accompanying report). Another magnetic high occurs at the junction of claim units 18, 19, 25, and 26 of the Paula 21 claim which corresponds roughly to the position of a fracture density high on the Tectonics map.

There appears to be no significant correlation between the magnetics of the area and the stream sediment sampling results, nor with the known occurrences of copper mineralization, and it is suspected that the highs may be due to some extent to concentrations of magnetite in the overlying volcanics.

February 3rd, 1977



J. P. Elwell, P.Eng.



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TECTONICS MAP
PAULA CLAIMS
FAULT

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FRACTURE DENSITY HIGHS:-
GRADING FROM ABOVE BACKGROUND
TO CONSIDERABLY ABOVE AT "H"

Canada Geosystems Limited

22091 26th Avenue, Langley, B.C.

In Account With

International Shasta Resources Ltd. (NPL)
3751 Bayridge Avenue
West Vancouver, B.C.

September 27, 1976

APPENDIX 'A'

To performing Geophysical and Geochemical
Surveys of Paula Claim No. 1 to 10 and
Paula Claim No. 21, in the Usk area,
northeast of Terrace, B.C.

Magnetometer Survey

34 line-kilometers @ \$200.00/line-kilometer \$6800.00

Geochemical Survey

35 silt samples @ \$6.00/sample 210.00

Engineering

Compilation and Evaluation 820.00

Engineer's Report 380.00

AMOUNT THIS INVOICE \$8210.00




P.H. Tate Blanchet, P.Eng.

C E R T I F I C A T E

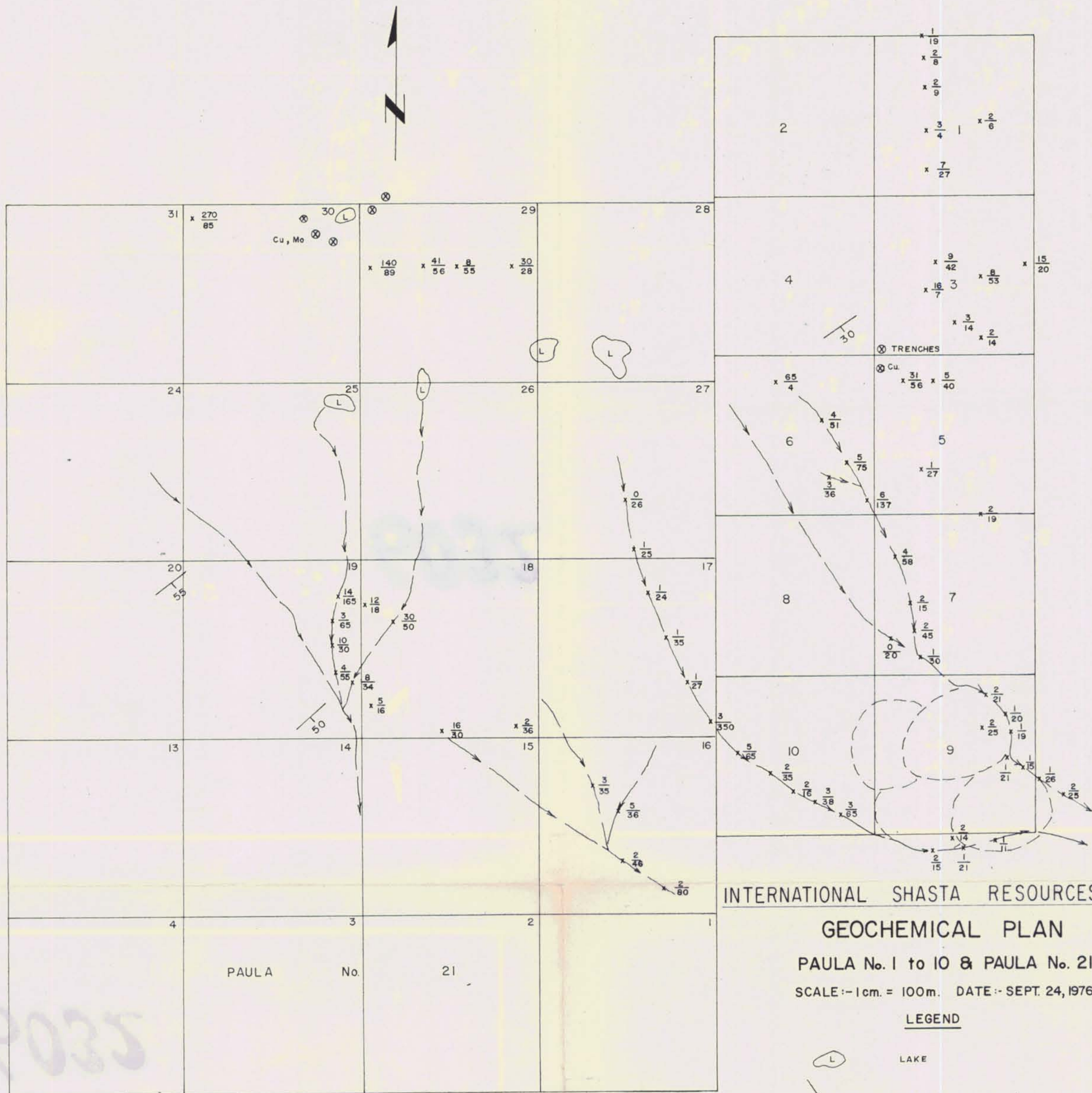
I, JAMES PAUL ELWELL, of 4744 Caulfield Drive, West Vancouver, B. C., do hereby certify that:

1. I am a Consulting Mining Engineer residing at 4744 Caulfield Drive, West Vancouver, B. C., and with an office at 1030 - 510 West Hastings Street, Vancouver, B. C. V6B 1L8
2. I am a graduate in Mining Engineering from the University of Alberta in 1940, and am a Registered Professional Engineer in the Province of British Columbia.
3. I have no personal interest, directly or indirectly, in the properties or in International Shasta Resources Ltd. (NPL).
4. The findings in the report are the result of an evaluation of geophysical data.

DATED at Vancouver, B. C. this 3rd day of February, 1977



James Paul Elwell, P.Eng.



INTERNATIONAL SHASTA RESOURCES LTD.(NPL)

GEOCHEMICAL PLAN

PAULA No. 1 to 10 & PAULA No. 21

SCALE :- 1 cm. = 100m. DATE :- SEPT. 24, 1976

LEGEND

- LAKE
- STREAM
- STRUCTURAL ATTITUDE
- MINERALIZED OUTCROP
- P.P.M. MOLYBDENUM SILT SAMPLE
P.P.M. COPPER

Intrusive domes
(photo interpretation)

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PART 2

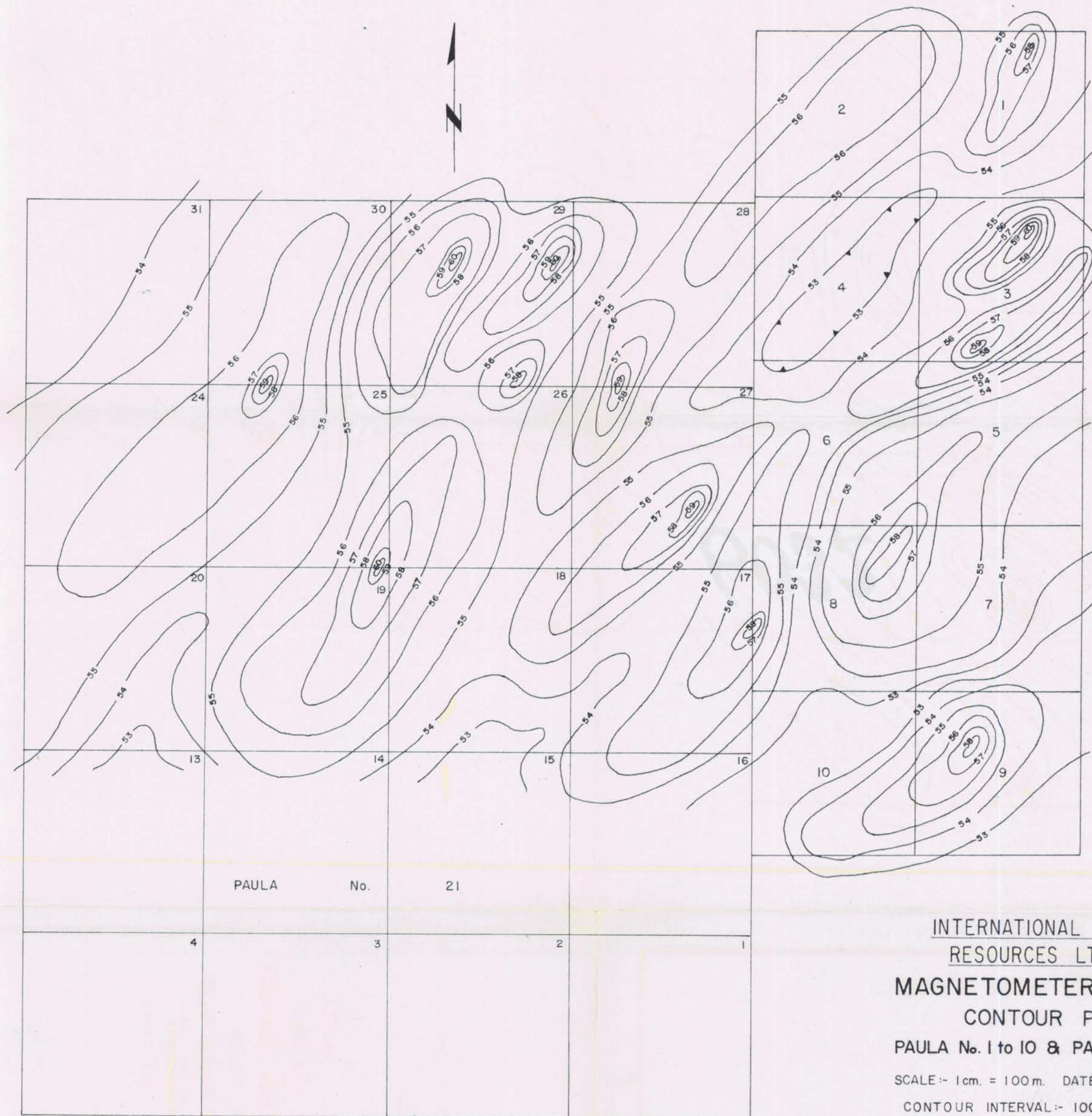
MINERAL RESOURCES BRANCH

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#1

MAP NO. 1



PAULA No. 21

INTERNATIONAL SHASTA
RESOURCES LTD. (NPL)
MAGNETOMETER SURVEY
CONTOUR PLAN

PAULA No. 1 to 10 & PAULA No. 21

SCALE:- 1cm. = 100m. DATE:- SEPT. 24, 1976

CONTOUR INTERVAL:- 1000 GAMMAS

57 57000 GAMMAS

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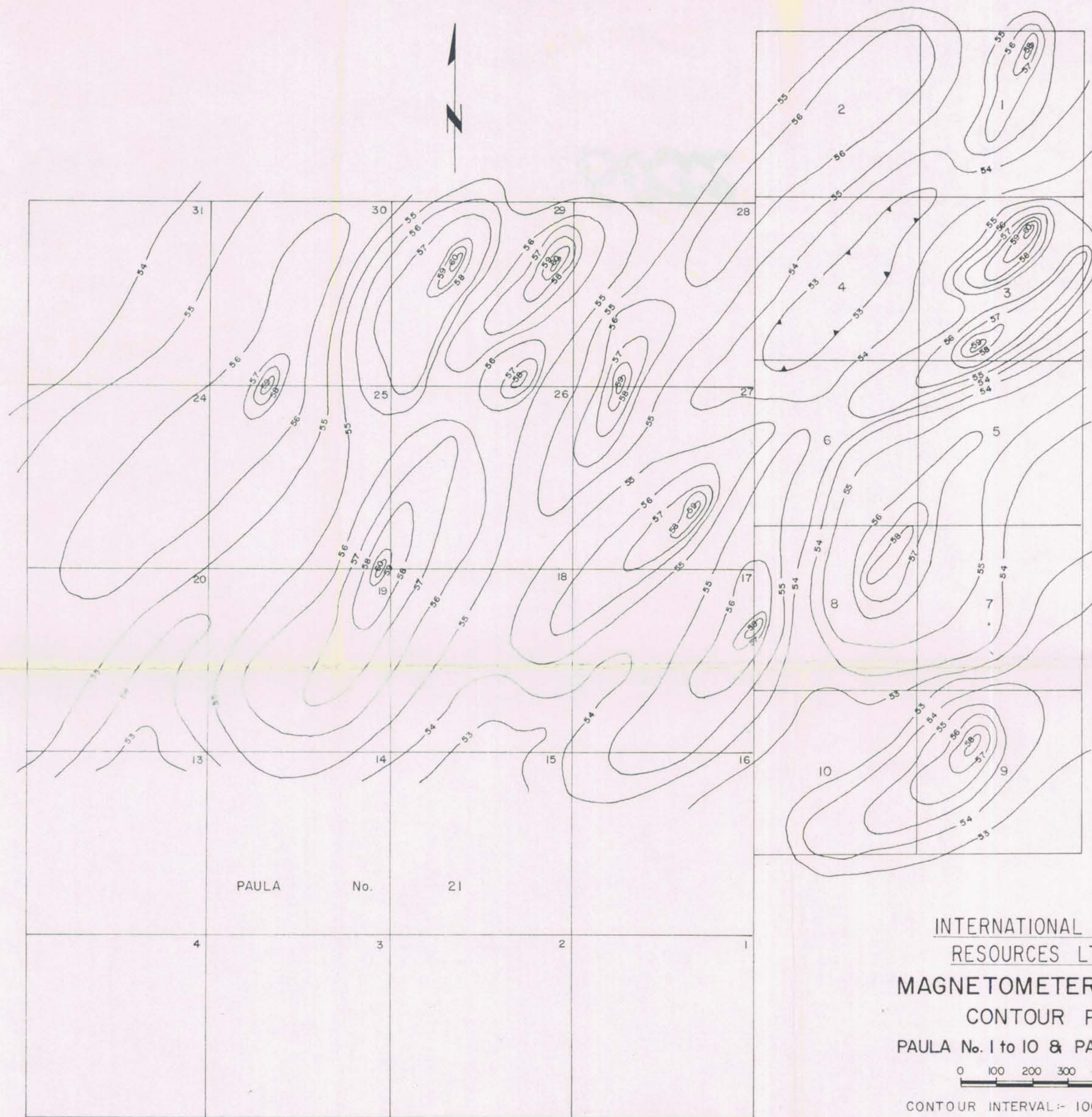
PART 2

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2

MAP NO. 2



INTERNATIONAL SHASTA
RESOURCES LTD. (NPL)
MAGNETOMETER SURVEY
CONTOUR PLAN
PAULA No. 1 to 10 & PAULA No. 21

0 100 200 300 400 500 m.

CONTOUR INTERVAL:- 1000 GAMMAS

57 57000 GAMMAS

CONTOURED BY P. H. BLANCHET, P. Eng.

SEPT. 24, 1976

Approved - *J. P. B. Eng.*

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ASSESSMENT REPORT

NO. **6032**

#1

MAP NO.

PART 1

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