OWNER: CANEX AERIAL EXPLORATION LTD

REPORT OF WORK COMPLETED
BETWEEN JUNE & AUGUST, 1968
ON THE B.V.D. CLAIM GROUP
OMINECA MINING DIVISION
55° 50', 124° 45'
BY B. AINSWORTH
VANCOUVER, B. C. 19 AUGUST, 1968

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CANEX AERIAL EXPLORATION LTD.
DIVISION OF CANADIAN EXPLORATION LIMITED
700 BURRARD BUILDING VANCOUVER 5, B. C. CANADA

REPORT OF WORK COMPLETED

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OMINECA MINING DIVISION, 55°50', 124°45'

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BY

B. AINSWORTH

August 19, 1968
Vancouver, B.C.

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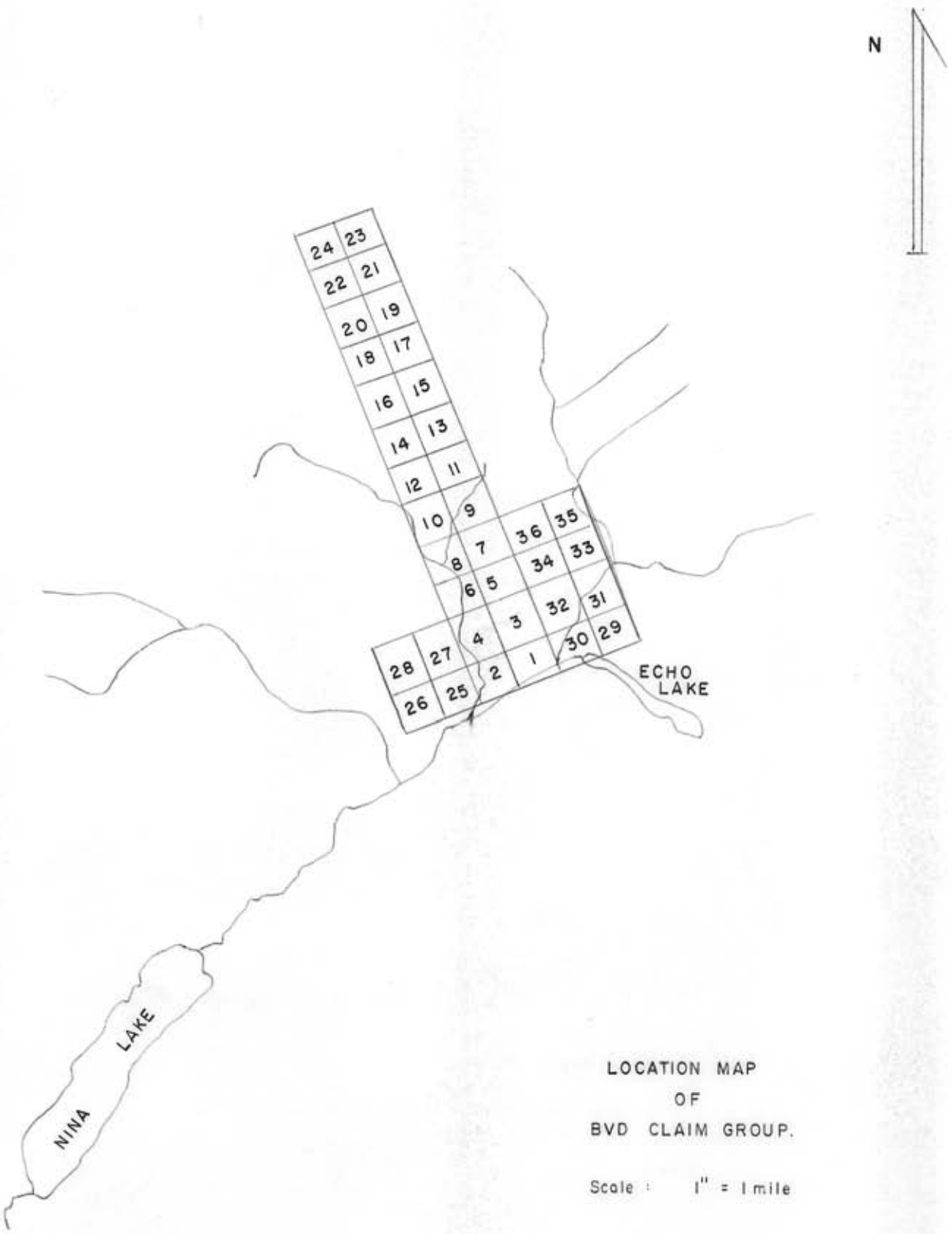

LOCATION MAP
OF
BVD CLAIM GROUP.

Scale : 1" = 1 mile

INTRODUCTION

During the period June 17 to August 3, 1968 geochemical and EM surveys were carried out over part of the B.V.D. group of claims. A reconnaissance geochemical survey undertaken in the 1967 field season indicated an interesting zone of lead-zinc-silver mineralization. 36 claims of the B.V.D. group were staked to cover the area of interest.

Detailed soil sampling was carried out by two two-man crews, flown into the property by helicopter daily. 165 soil samples were collected and sent to Vancouver for assay by the Canex Aerial Exploration Laboratory.

Following the geochemical survey, an EM survey, using the Crone JEM unit, was carried out in order to determine whether any of the geochemically interesting areas were related to fault structures.

TOPOGRAPHY AND VEGETATION

The B.V.D. claims are situated in rolling hills, 3 miles NNE of Nina Lake. Elevations range from 4,000 to 5,000 feet.

Dense willow growth occurs on the lower levels of the property but on the hillsides moderately thick timber stands up to fifty feet. Spruce, fir and poplar are the common species of tree.

TRANSPORTATION

A Hiller 12E helicopter was used to fly crews into the property daily. This machine was leased to Canex Aerial Exploration by Okanagan Helicopters Ltd. Operating costs were charged at a rate of $100 per hour, exclusive of fuel costs.

SURVEYING

A base line was established along the claim line for claims nos. 1 - 24. In 1967, sample lines were run on 250 -foot intervals at right angles to this line. In 1968 some of these lines were extended to the NE. Stations were marked at 100-foot intervals along the sample lines.

All surveying was carried out with a Brunton compass and a nylon chain.

GEOCHEMICAL SURVEY

a) Sampling Method

Samples were taken in the "B" horizon, a rusty horizon ranging from 5" to 12" in depth over the area sampled. Little glacial cover was encountered so the soil was generally considered a standard residual type.

b) Assay Method

Samples were dried in a hot-air drier then sifted in -80 mesh nylon sieves. Portions of the -80 mesh fraction were weighed with a torsion balance. Silver was extracted from the sample by the addition of concentrated nitric acid.

Analysis was carried out using the Techtron A.A.4 atomic absorption spectrophotometer at a wavelength of 3281Å.

c) Results and Conclusions

All results are plotted on the 1" to 400' map in the back pocket. The extension soil sampling indicated one narrow silver anomaly in the vicinity of stations 20 and 21 on lines 10W, 12 + 50W, 15W, 17 + 50W, 20W, 22 + 50W. A number of poorly mineralized trenches occur within the anomaly and evidently the extent of mineralization does

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not continue far beyond the trenched area. Values of 1.5 to 8 ppm silver characterize the anomaly as due to low-grade mineralisation. One very high value (27.9 ppm Ag) at station 20N on line 12 + 50W is almost certainly due to contamination by trenching.

E.M. SURVEY

a) Equipment and Method

A standard JEM unit was rented from Crone Geophysics Ltd., Port Credit, Ontario. The unit consists of two coils with transmitter/ receiver units attached. Operators stand at stations 200 feet apart and alternately transmit and receive. After measuring the dip angles of the coils the two operators both move 100 feet along the line and read the dip angles at the new set up. The resultant dip angles are considered as located at the centre point between the two operators.

The EM survey was carried out on the same grid as that used for the geochemical survey, readings being taken every 100 feet along lines 250 feet apart.

b) Results and Conclusions

One significant positive resultant dip anomaly occurs on the area surveyed. On lines 5W - 15W a moderate positive trend occurs in the vicinity of station 1600N. This trend approximately parallels local stratigraphic trends and may reflect a conductivity contrast of different sedimentary units in bedrock. No geochemical anomaly is related to this EM response despite the fact that the EM response indicates a near surface conductor; it is unlikely, therefore, that conductive sulphides

are the cause of the response.

It was found that the geochemically anomalous area gave little or no EM response, indicating that no major fault structure was related to the known mineralization.

Respectfully submitted by,

B. Ainsworth

STATEMENT OF EXPENSES

The following is a breakdown of expenses incurred in carrying out work on the B.V.D. group of claims in the 1968 field season.

E.M. SURVEY	
Helicopter, 16.25 hrs. @ $100/hr	$ 1,625.00
Salaries, R. Anctil 9 days @ $17.31/day	155.77
R. Hendry 9 days @ $15.38/day	138.42
B. Ainsworth 2 days @ $32.00/day	64.00
GEOCHEMICAL SURVEY	
Helicopter, 11.17 hrs. @ $100/hr	1,117.00
R. Dickenson 3 days @ $17.31/day	51.93
L. Tysoe 3 days @ $17.31/day	51.93
R. Anctil 3 days @ $17.31/day	51.93
B. Ainsworth 2 days @ $32.00/day	64.00
R. Hendry 3 days @ $15.38/day	46.14
ASSAYING	
Assaying of samples for silver: 165 samples @ $1.55/ea	255.75
TOTAL	$ 3,621.87

Declared before me at the City of Vancouver in the Province of British Columbia, this 20th day of August 1968 A.D.

R. Hendry

A Commissioner for taking Affidavits in British Columbia or
A Notary Public in and for the Province of British Columbia.

Gold Commissioner

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STATEMENT OF QUALIFICATIONS

I, B. Ainsworth, with business address in Vancouver, British Columbia, and residential address in North Vancouver, British Columbia, hereby certify that:

1. I am a geologist;

2. I am a graduate of Oxford University (B.A. geol. 1962, M.A. 1967);

3. From 1962 until 1968 I have been engaged in mineral exploration in Ireland, Ghana, British Columbia, Yukon Territory and the Northwest Territories;

4. I personally participated in the field work and have assessed and interpreted all the data resulting from this work.

Respectfully submitted,

B. Ainsworth

BA/ric

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CERTIFICATION

I, C. Rennie, with business address in Vancouver, British Columbia, do hereby certify that:

1. I am a professional engineer registered in the Province of British Columbia;

2. I have examined the report by B. Ainsworth on work done in 1968, on the B.V.D. group of claims, 55°50', 124°45', in the Omineca Mining Division;

3. To the best of my knowledge the interpretation of data and expenditure claimed for the performance of the work is correct.

Respectfully submitted,

C. Rennie, P.Eng.

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Vancouver, B.C.
August 20, 1968

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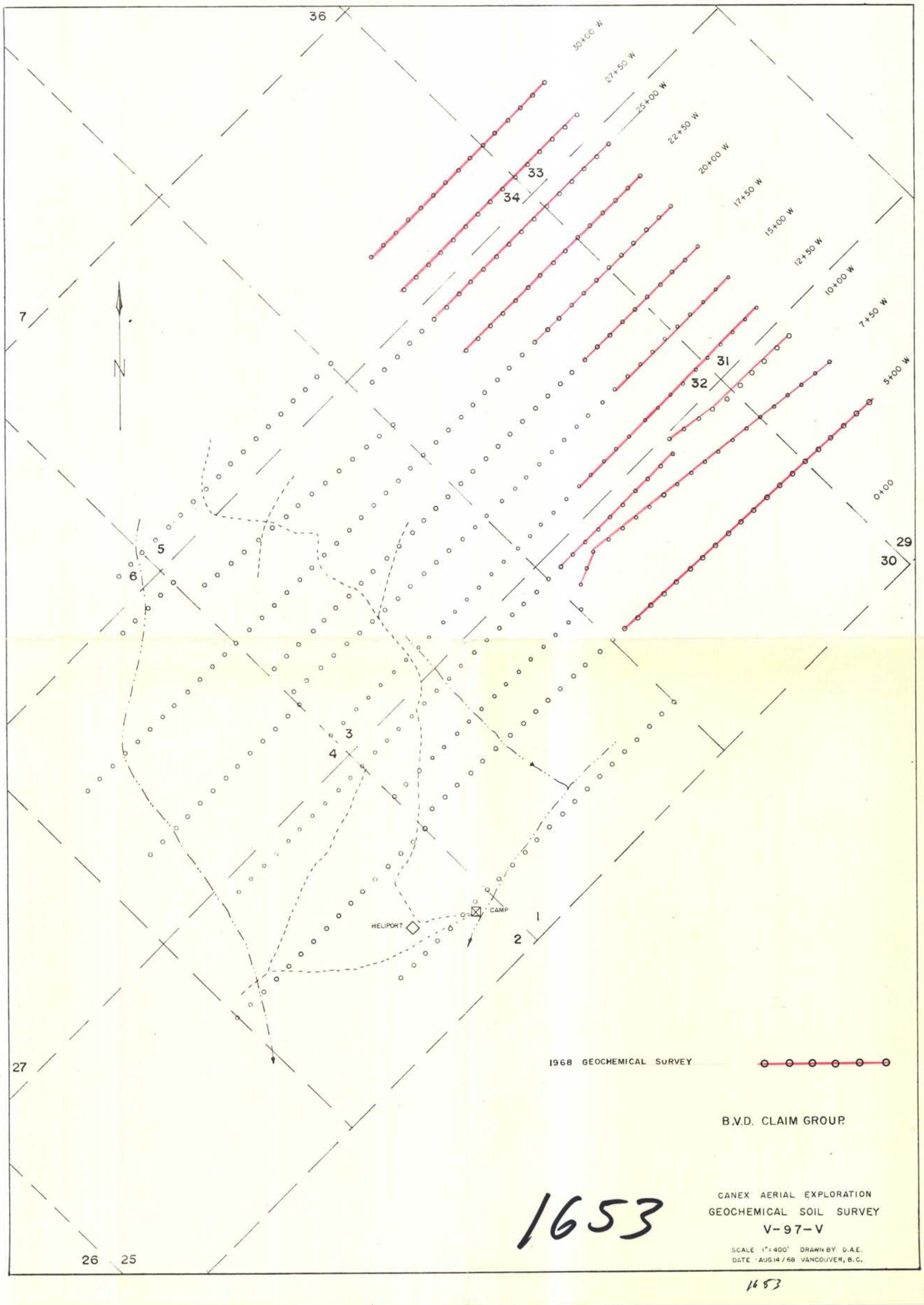
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HELIPORT
CAMP
1968 GEOCHEMICAL SURVEY
B.V.D. CLAIM GROUP
1653
CANEX AERIAL EXPLORATION
GEOCHEMICAL SOIL SURVEY
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DATE AUG.14/68 VANCOUVER, B.C.

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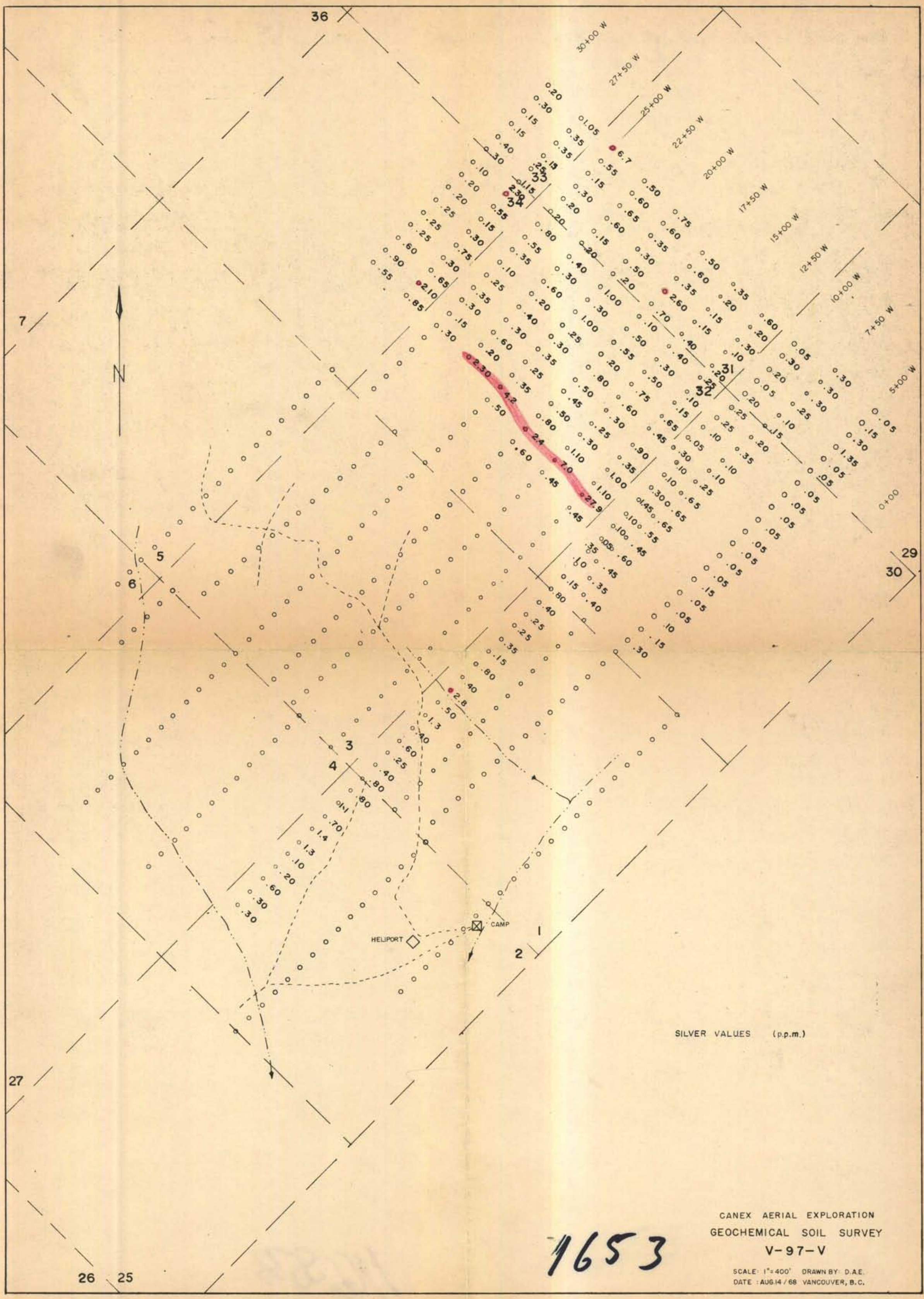

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CANEX AERIAL EXPLORATION

GEOCHEMICAL SOIL SURVEY

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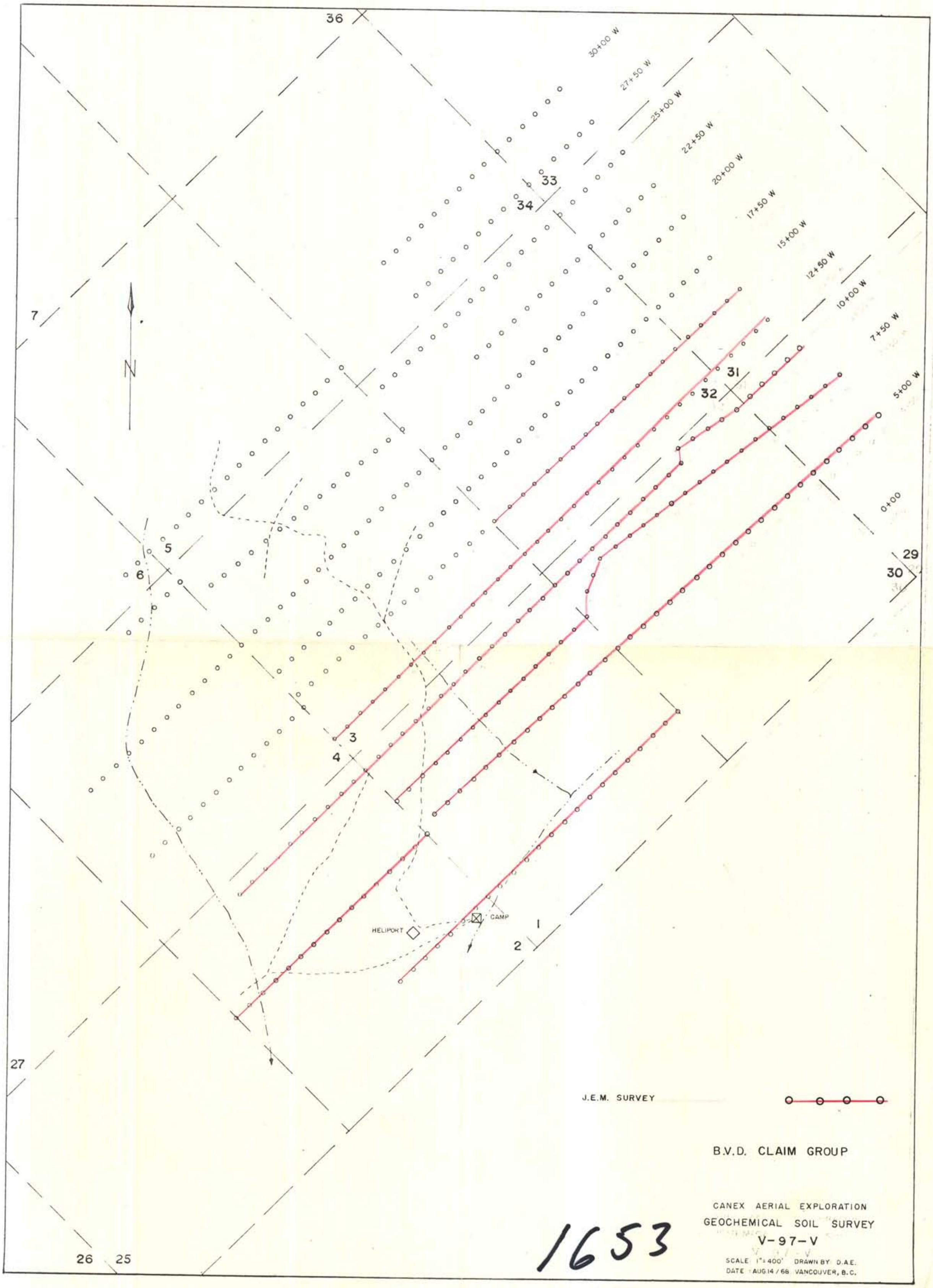
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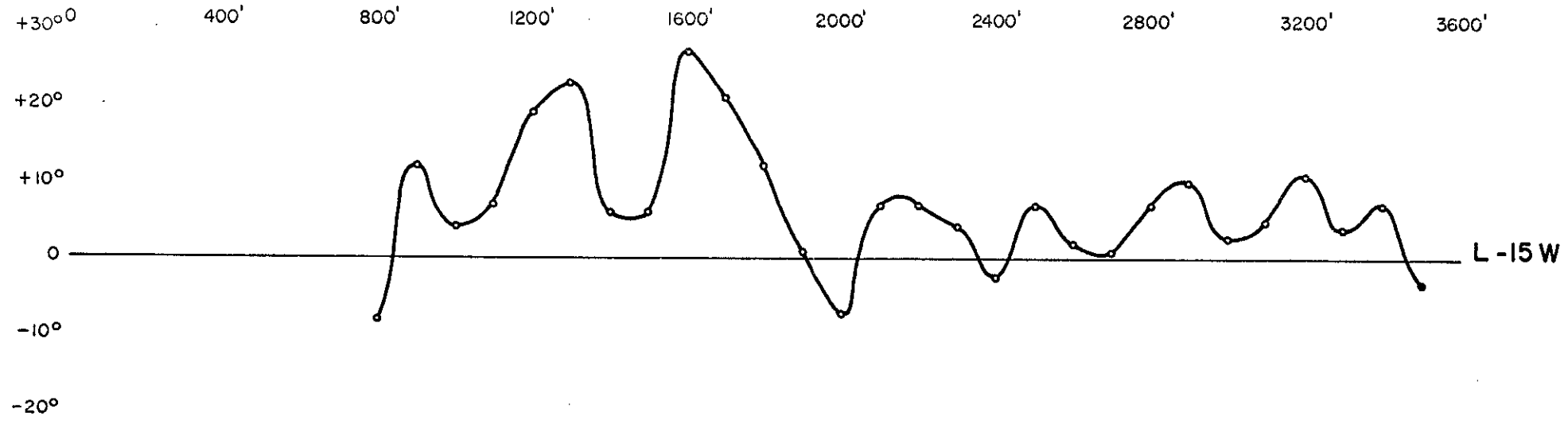
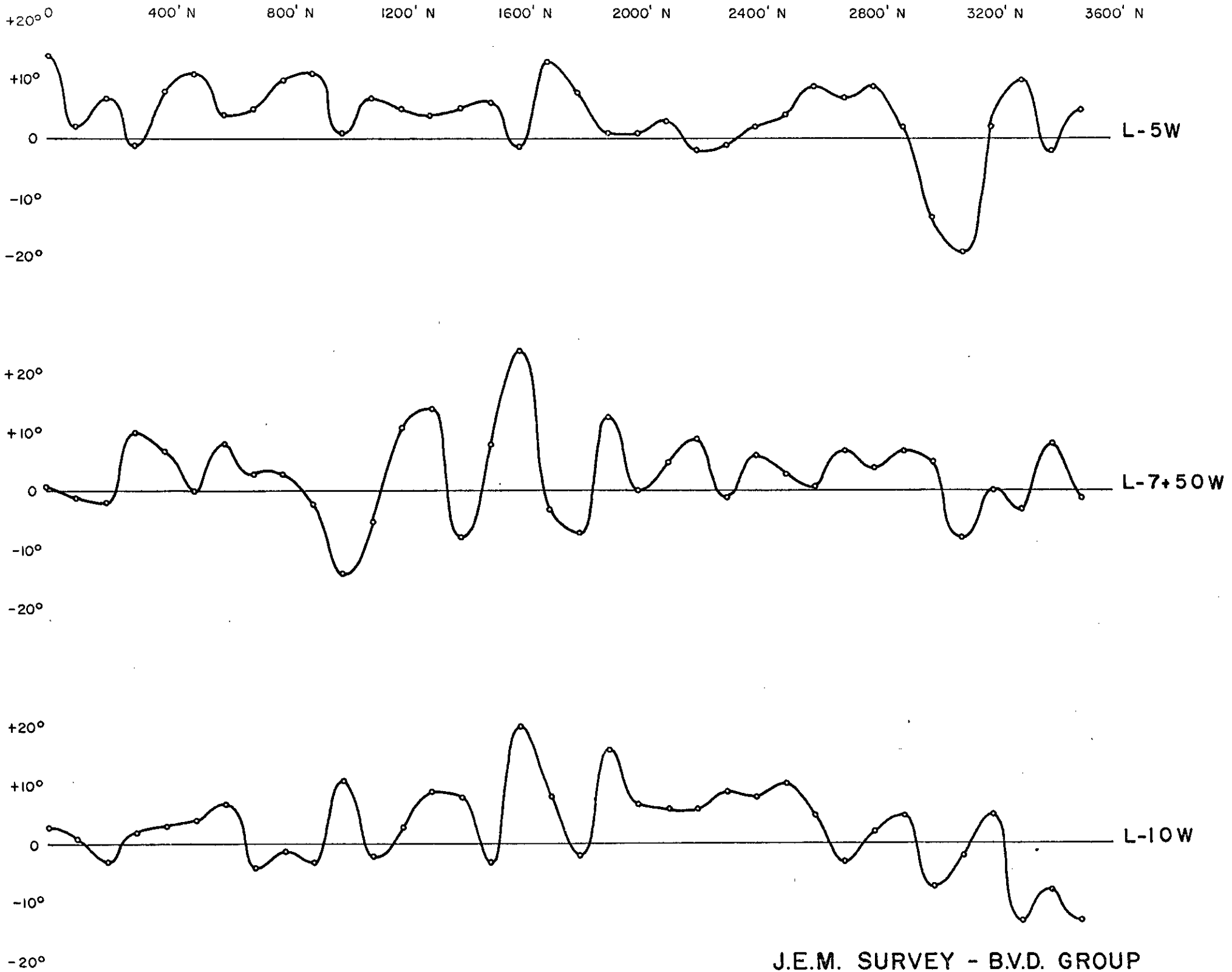


J.E.M. SURVEY - B.V.D. GROUP



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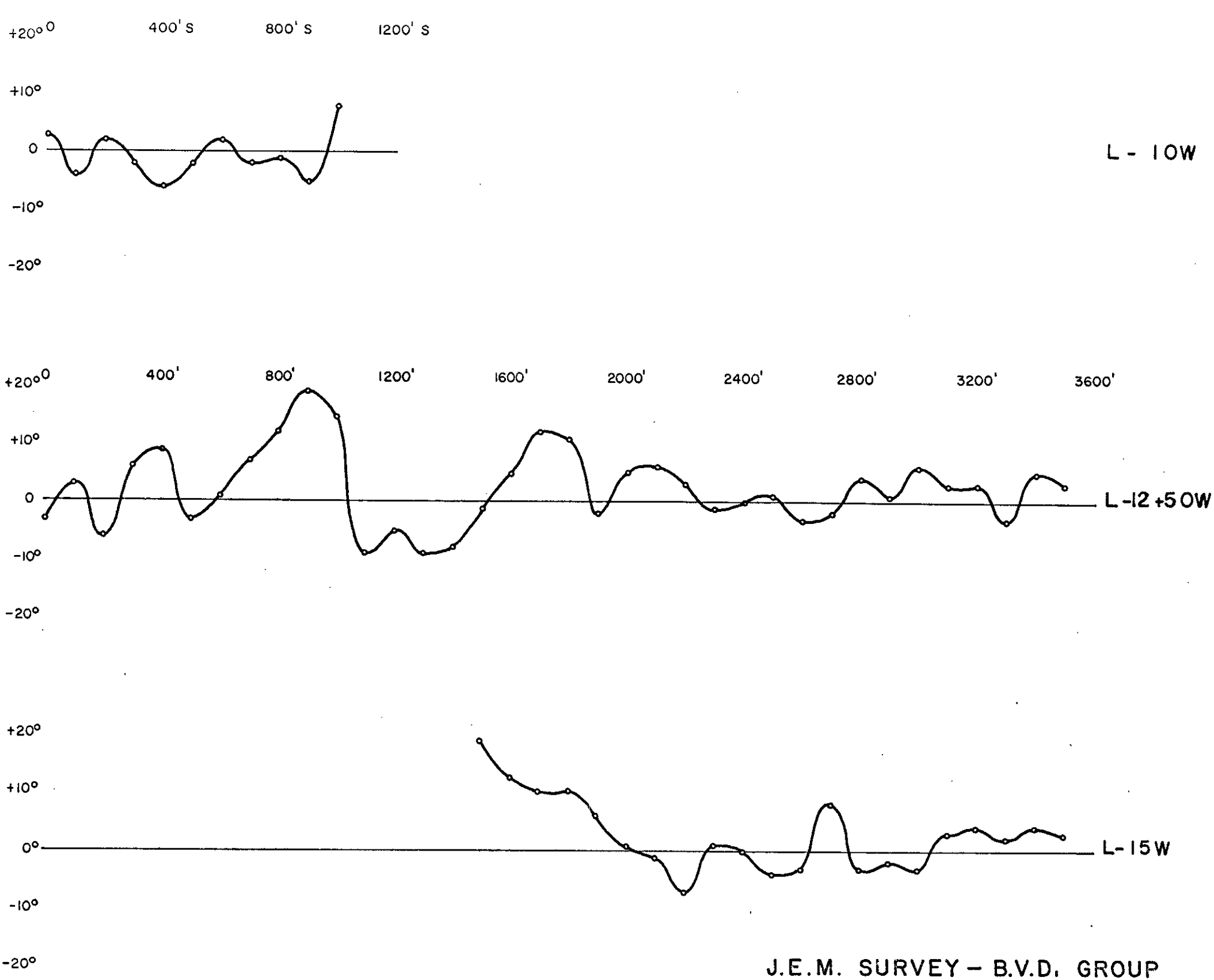

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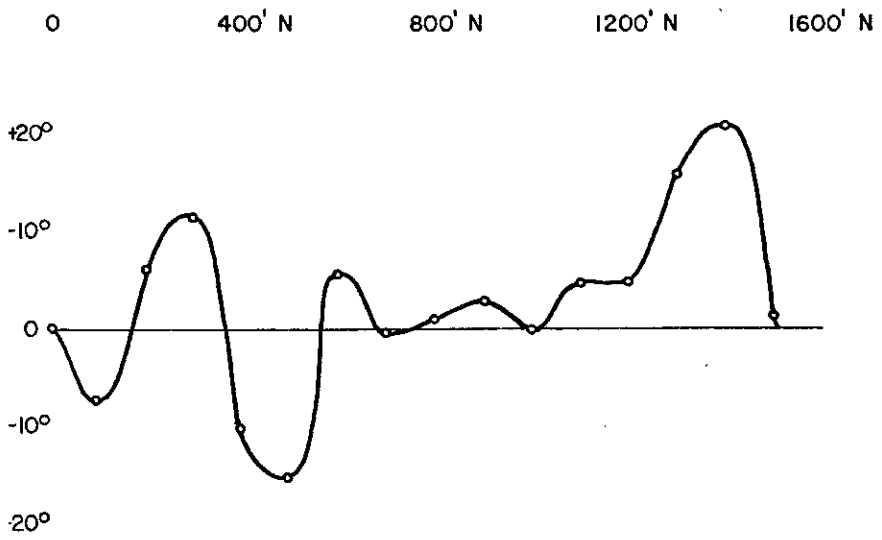

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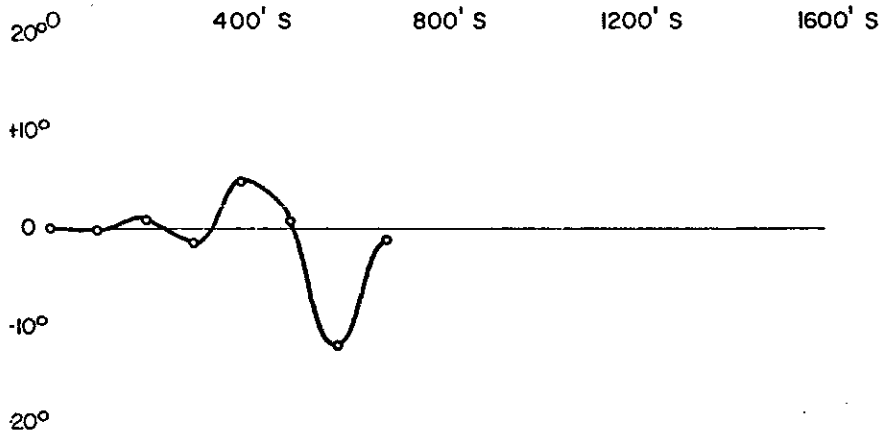

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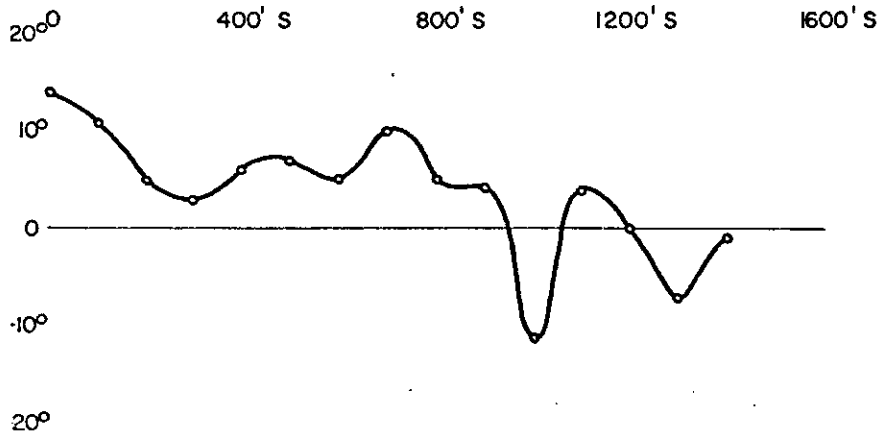

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J.E.M. SURVEY - B.V.D. GROUP