



42A06NE0310 2.3521 SHAW

010

GEOPHYSICAL SURVEY

on the

SHAW #1 GROUP

RECEIVED

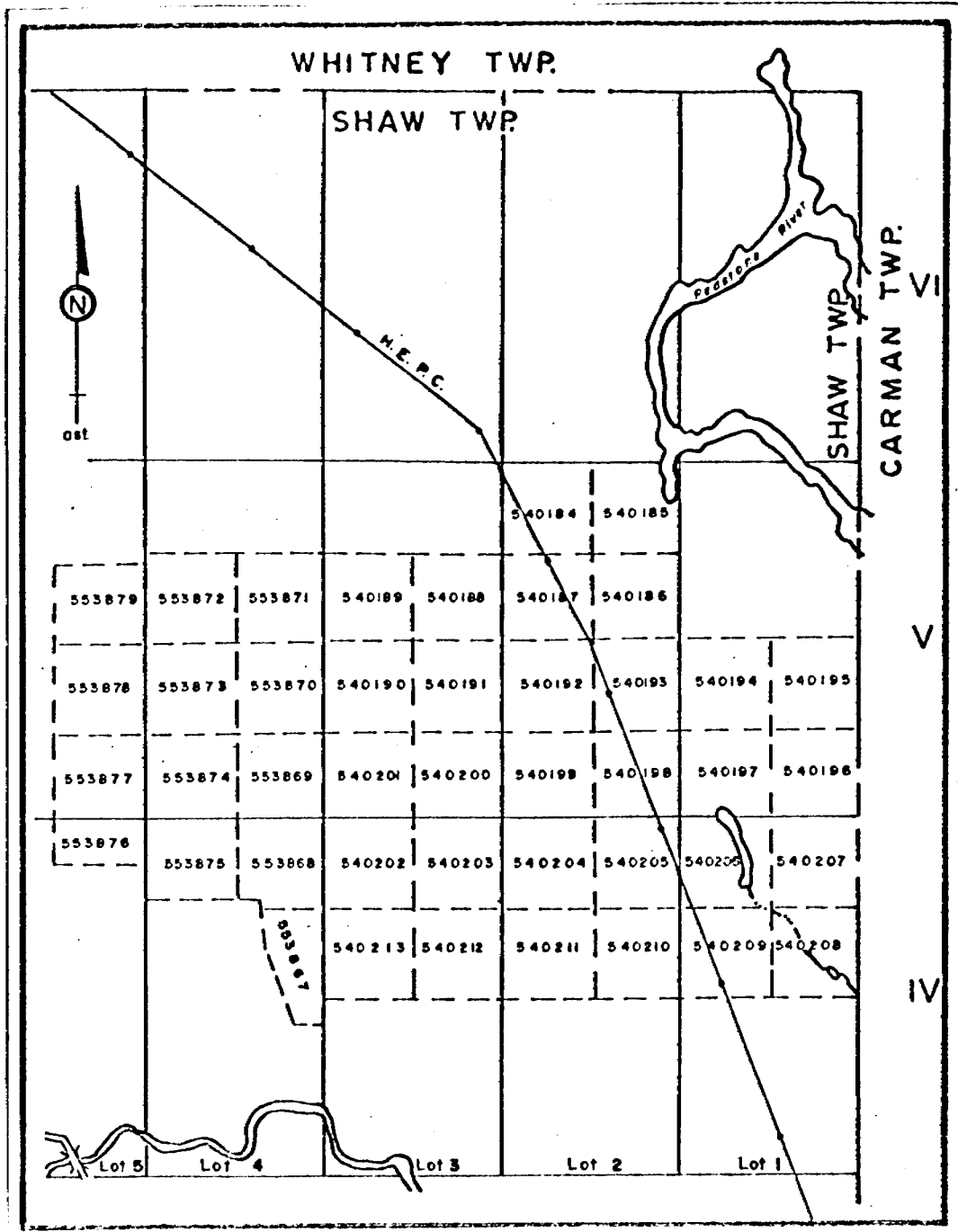
OCT 30 1980

MINING LANDS SECTION

Hollinger Argus Limited
Shaw Township, Ontario

Timmins, Ontario
October 27, 1980

C. D. MacKenzie



LOCATION MAP
 Scale: 1 inch to 40 chains
 or
 1: 31680 metres

INTRODUCTION

Line cutting was carried out during the period May 5, 1980 to June 20, 1980 over 43 contiguous claims in Shaw Township, District of Cochrane in the Porcupine Mining Division, Province of Ontario.

During the period July 28 - August 27, 1980, a V.L.F. survey was carried out.

PROPERTY, LOCATION and ACCESS

Group #1, Shaw Township, consists of 43 contiguous claims covered by the survey. The claims extend west from the township line in Carman Township and lie in the surveyed portion of the township of Shaw and include lots 1, 2, 3 and 4 in Concessions IV and V of Shaw Township.

The claims are located approximately 12 miles S.E. of the city of Timmins and can be reached by car on an all-weather road from South Porcupine.

TOPOGRAPHY

The claims are located in a hilly outcrop area with local swamp and sand cover. Numerous logging roads extend over part of the claim group.

GEOLOGY

The chief rock outcrop is pillowed and amygdaloidal andesite locally bleached and carbonatized. Numerous narrow iron formations are known to outcrop along the entire length of the claim group.

Local diabase dykes and intrusives such as diorite and porphyry are present on the claim group.

Most of the formations strike northwest and dip 20°-45° southeast. These rocks appear to be part of the Shaw domal structure.

SURVEY METHOD

Lines were cut at 100 metre intervals and readings were taken at 25 metre stations.

V.L.F. instruments were read utilizing the fixed transmitter station NAA Cutler, Maine, U.S.A.

V.L.F. SURVEY

A V.L.F. survey was carried out using two V.L.F. instruments, Serial #48 and #28. The operators were H.Z. Tittley and D. Laforest, both of the city of Timmins in the province of Ontario. Both are employees of Hollinger Argus Limited.

SURVEY RESULTS

The survey results are shown on the accompanying maps entitled V.L.F. Survey, Shaw No. 1, on a scale of 1:2400.

Twenty-seven conductive zones were indicated by the V.L.F. survey. They are designated on the map by the numerals 1 - 27.

The conductors numbered 1,2,3,7,9,10,11,12,13,14, 16,17,18,19,20,21 and 22 are known to be caused by the sulfide-rich siliceous iron formation that outcrops in the vicinity of the anomalies.

The conductors numbered 4, 24, 25 and 27 are shear zones along rock contacts.

Conductors 5, 6 and 23 may be short graphitic or sulfide conductors.

An H.E.M. survey is recommended to outline the more significant conductive zones and to separate the weak contact or clay conductors picked up by the V.L.F. survey.

Respectfully submitted,

C. D. MacKenzie
C. D. MacKenzie.



TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geophysical (Electromagnetic)
Township or Area Shaw Township
Claim Holder(s) Hollinger Argus Limited
Box 320, Timmins, Ont. P4N 7E2
Survey Company Hollinger Argus Limited
Author of Report C. D. MacKenzie
Address of Author Box 320, Timmins, Ont.
Covering Dates of Survey July 28 - Aug. 27, 1980
(linecutting to office)
Total Miles of Line Cut 42.0 miles (67.6 km)

MINING CLAIMS TRAVERSED
List numerically

Table with 2 columns: (prefix) and (number). Lists mining claims from P.540184 to P.540205 and P.553867 to P.553879.

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED table with columns for Geophysical, Geological, and Geochemical, and a column for DAYS per claim.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: Oct. 27, 1980 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. Qualifications

Previous Surveys

Table with 4 columns: File No., Type, Date, Claim Holder. Includes handwritten initials 'HD'.

OFFICE USE ONLY

TOTAL CLAIMS 43

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations 2477 Number of Readings 2636
Station interval 25 metres Line spacing 120 metres
Profile scale 1:240 or 1" = 200 feet
Contour interval

MAGNETIC

Instrument
Accuracy - Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

ELECTROMAGNETIC

Instrument Geonics EM-16 V.L.F. Series #28 and #48
Coil configuration Vertical and Horizontal
Coil separation Infinite
Accuracy +/- 1%
Method: [X] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency NAA Cutler, Maine 17.8 KHz
Parameters measured In-Phase and Quadrature

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

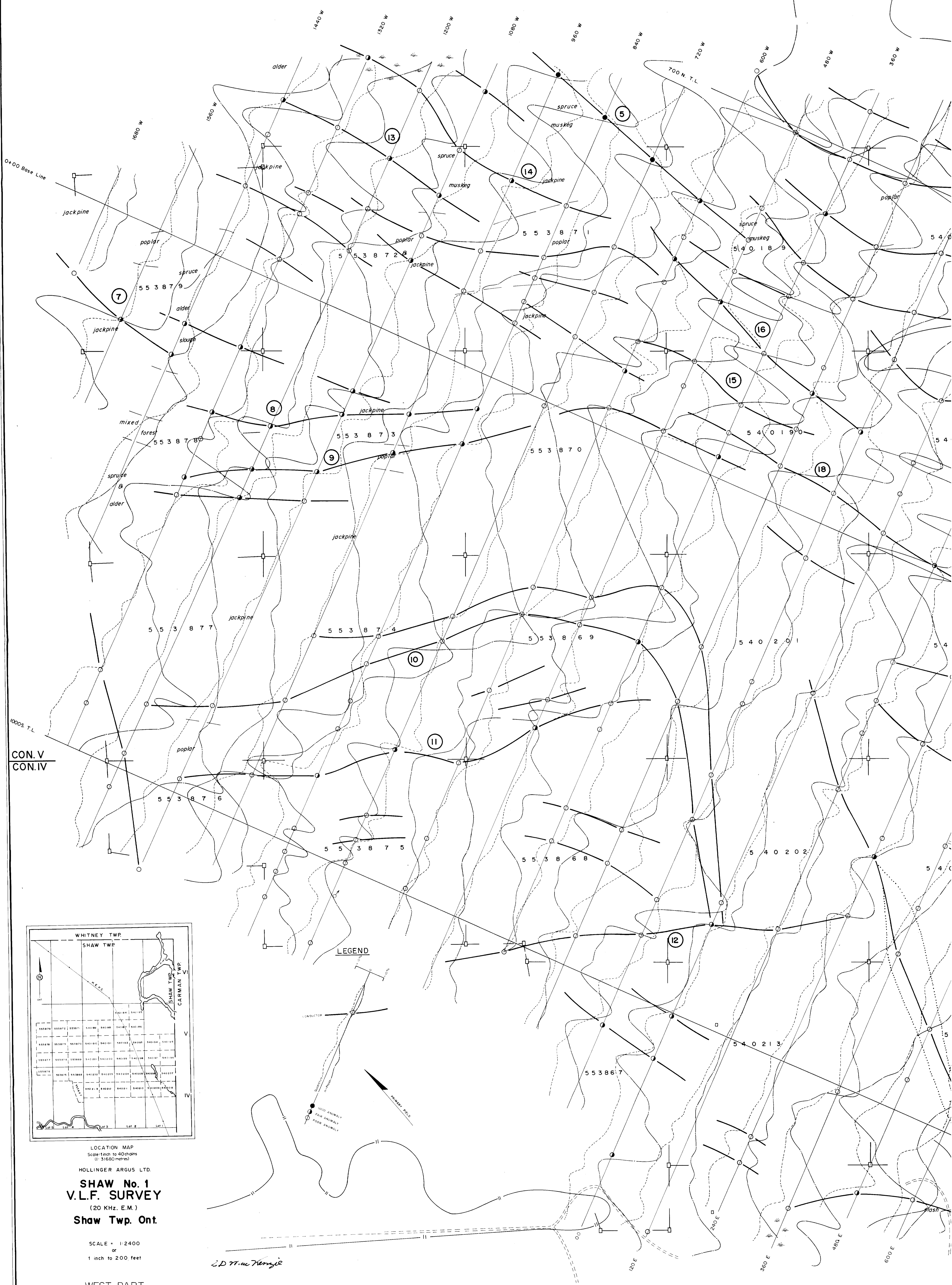
INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

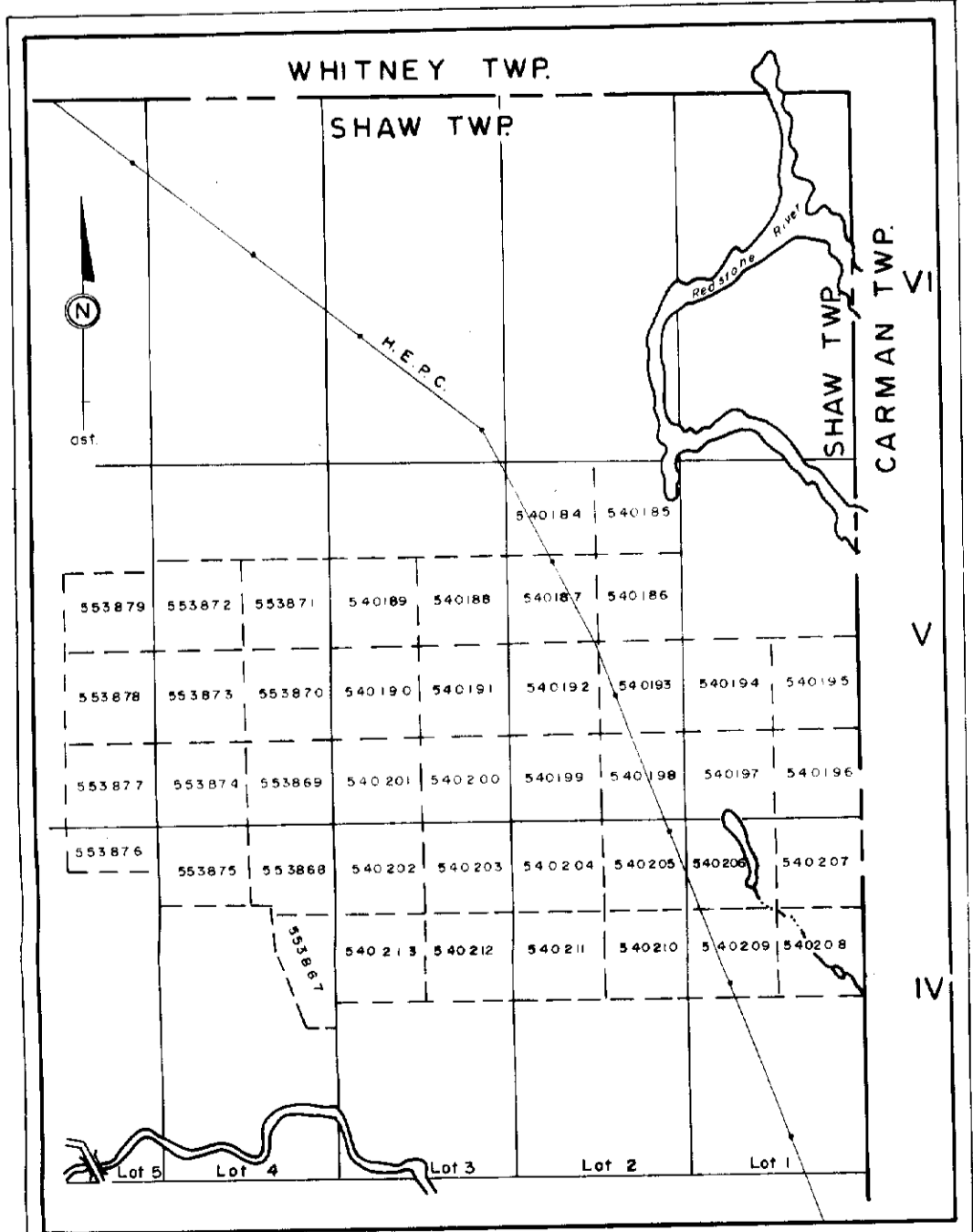
LOT 5 | LOT 4

LOT 4 | LOT 3

CON. VI
CON. V



CON. V
CON. IV



LOCATION MAP
Scale 1 inch to 40 chains
(1:31680 metric)

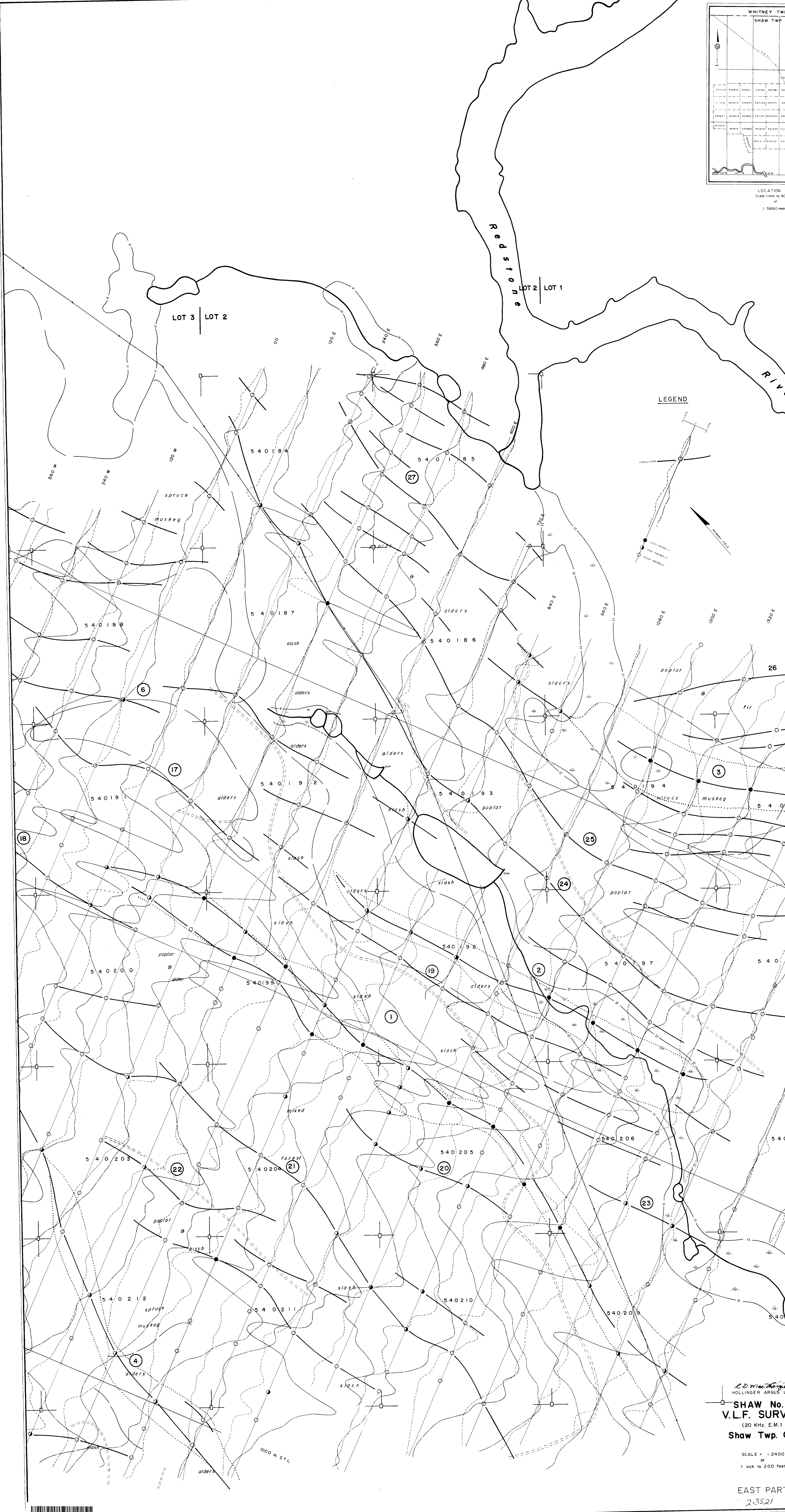
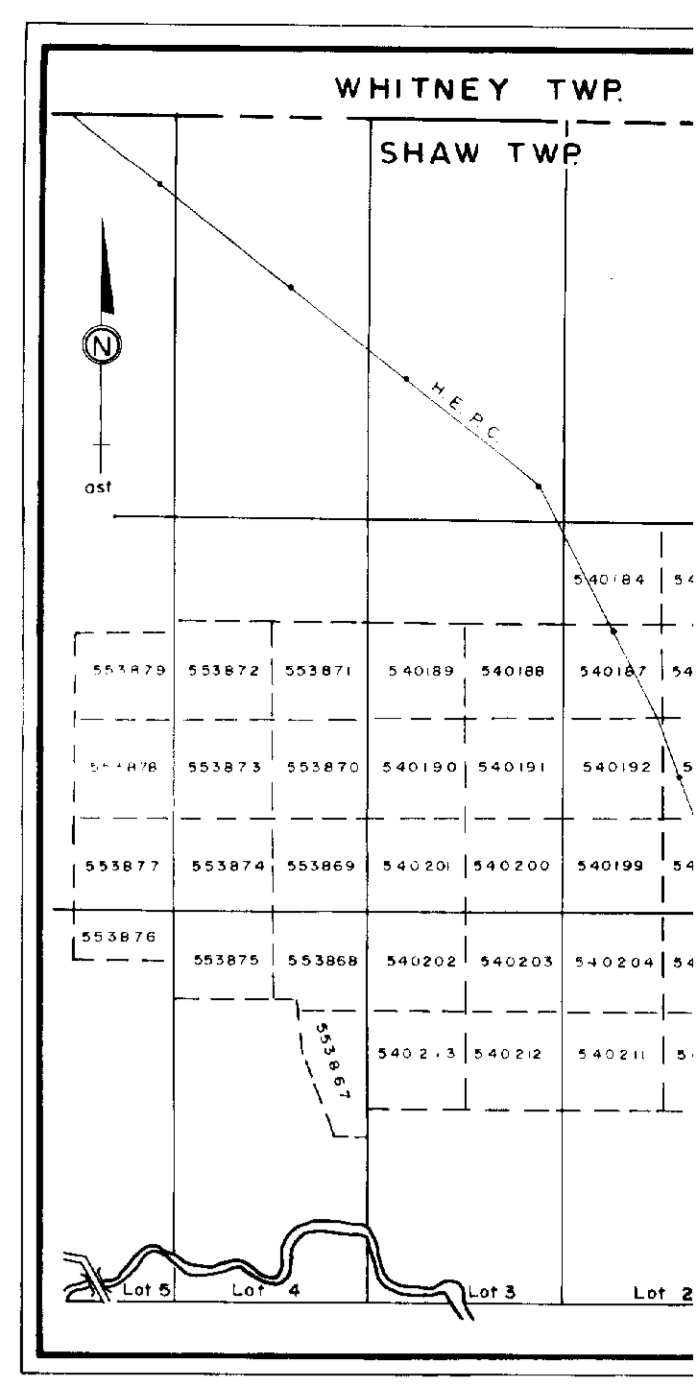
HOLLINGER ARGUS LTD.
SHAW No. 1
V.L.F. SURVEY
(20 Khz. E.M.)
Shaw Twp. Ont.

SCALE • 1:2400
or
1 inch to 200 feet

L.D. Henry

WEST PART

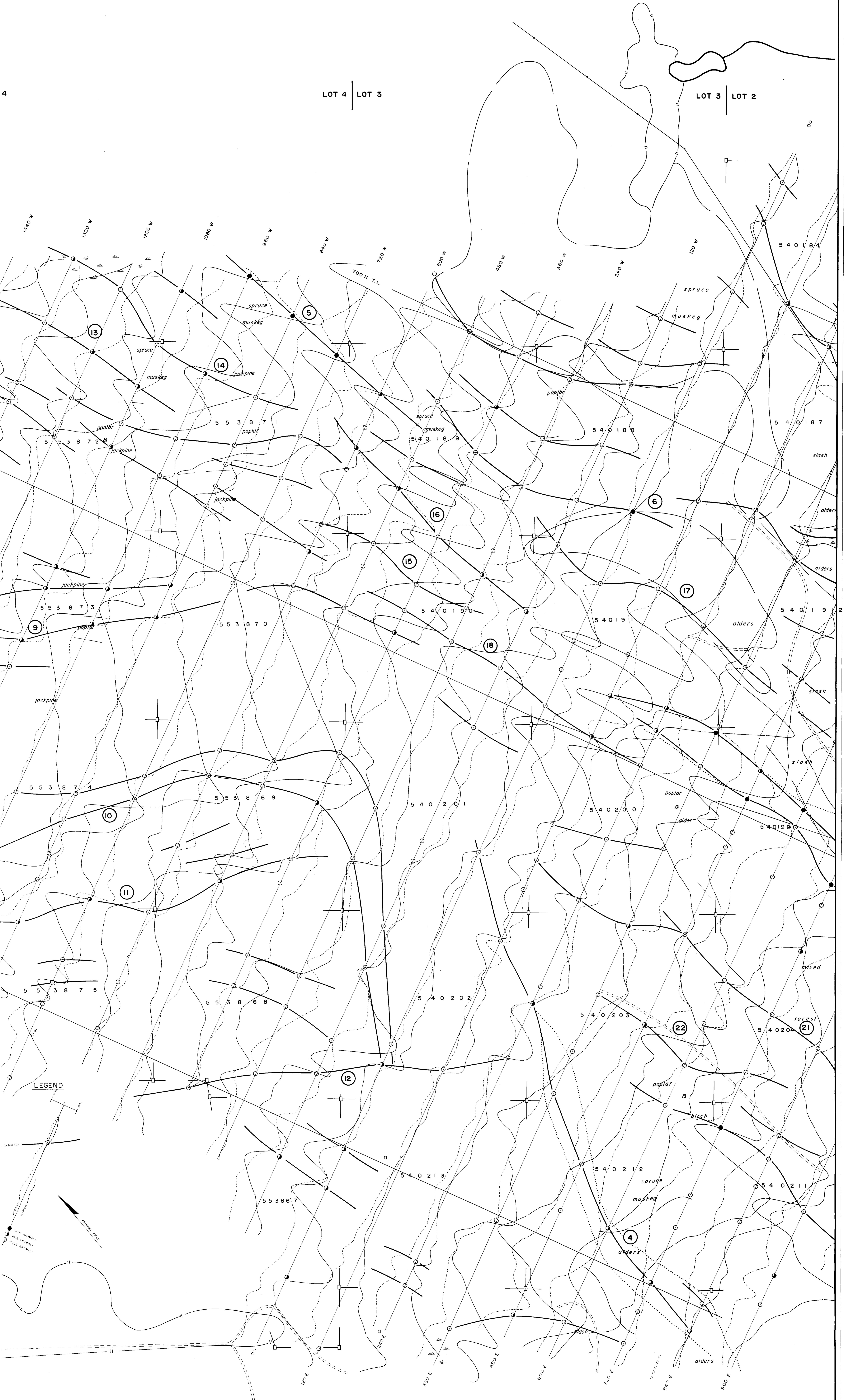


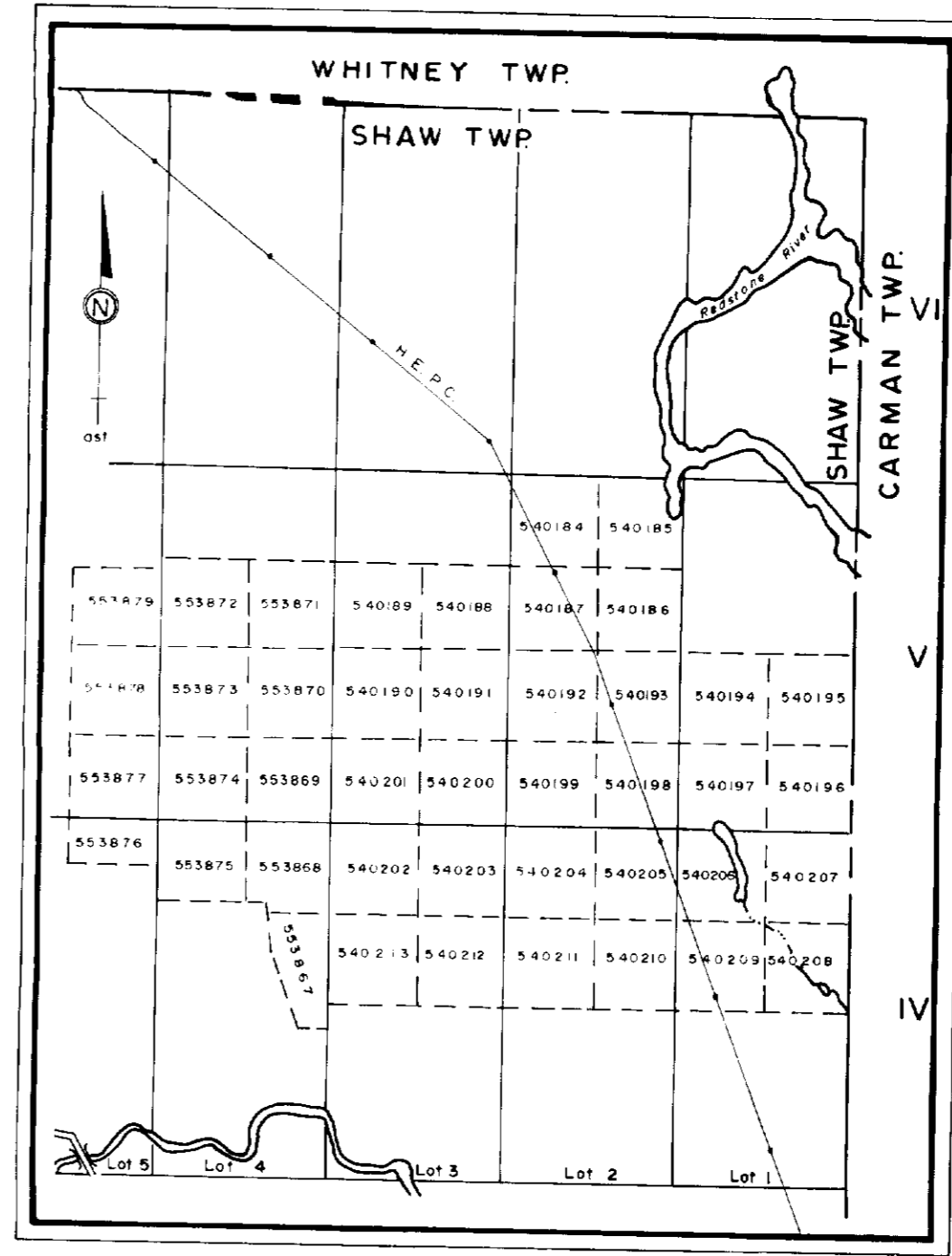


C.D. MacFarlane
 HOLLINGER ARGUS LTD.
SHAW No. 1
V.L.F. SURVEY
 (20 KHz. E.M.)
Shaw Twp. Ont.
 SCALE • 1:2400
 or
 1 inch to 200 feet

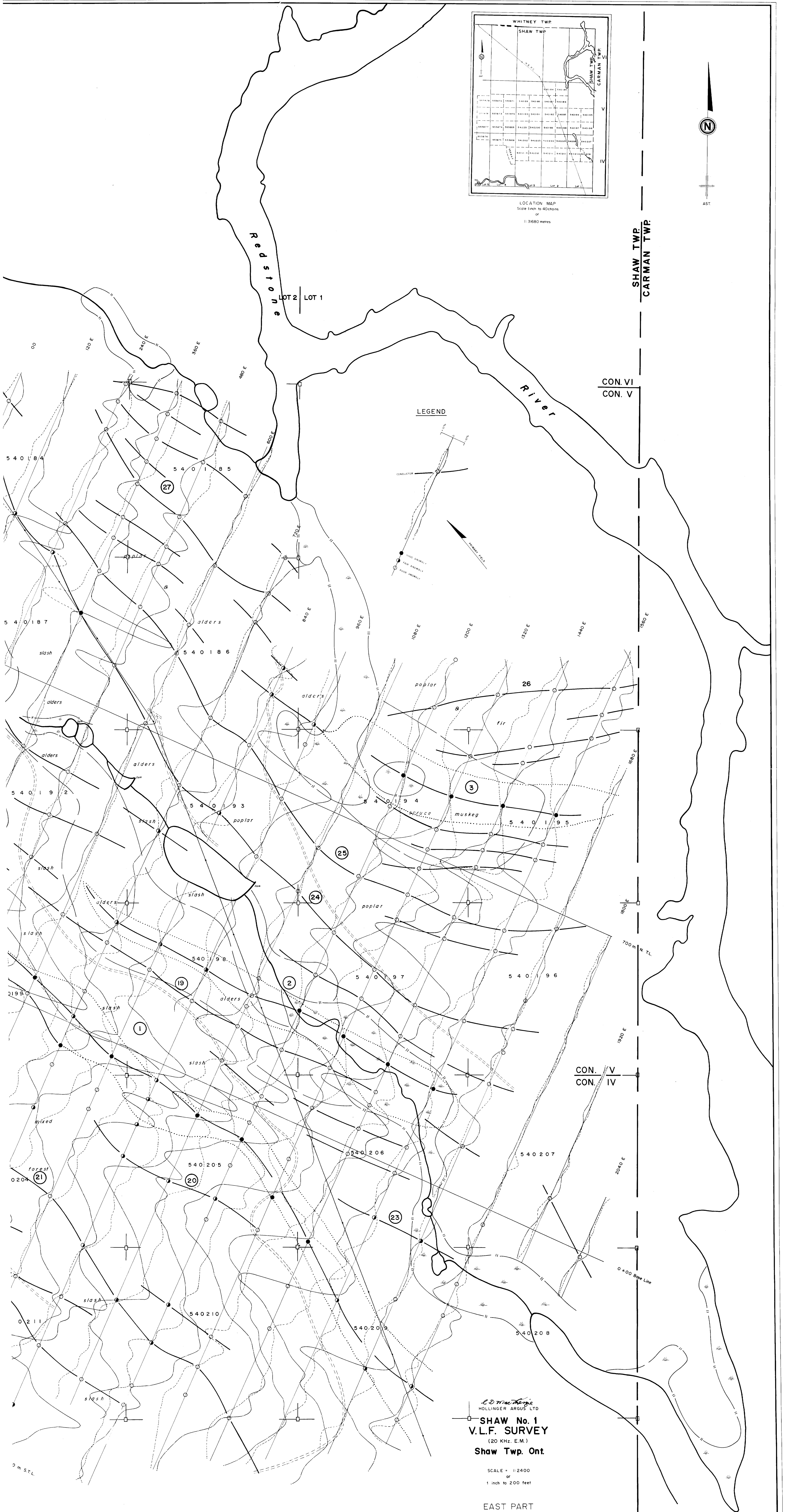
EAST PART
 2-3521







LOCATION MAP
Scale 1 inch to 40 chains
or
1:51680 metres



LEGEND



L.D. MacFarlane
HOLLINGER ARGUS LTD
SHAW No. 1
V.L.F. SURVEY
(20 KHz. E.M.)
Shaw Twp. Ont.

SCALE = 1:2400
or
1 inch to 200 feet

EAST PART
2-3521

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