

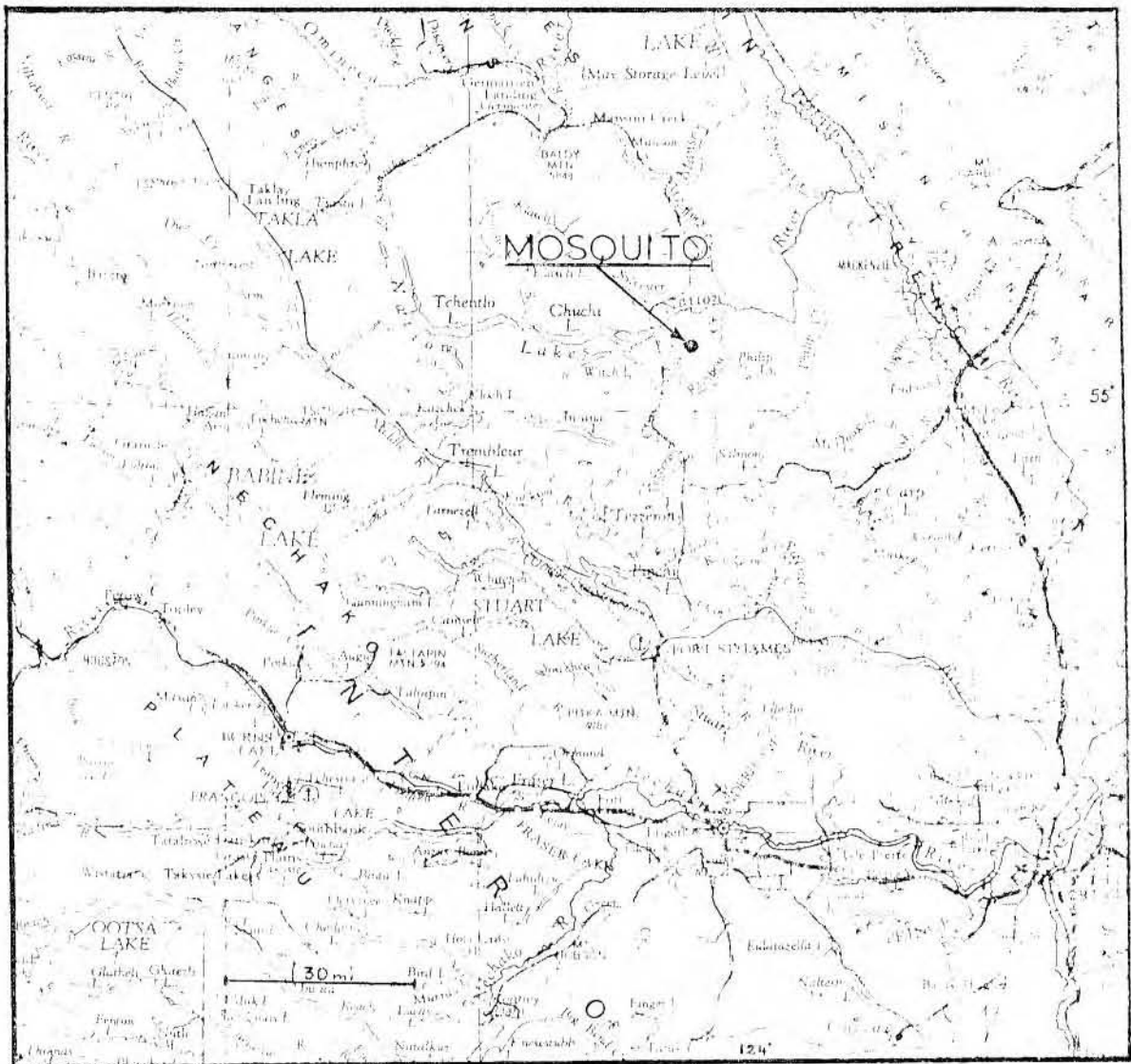
Assessment Report on the MOSQUITO-
ZAP group of claims, situated $4\frac{1}{2}$ miles
south of Mt. Milligan, Omineca Mining
Division, British Columbia, N.T.S. 93 NW,
Longitude $124^{\circ}03'$; Latitude $55^{\circ}07'$ and
owned by and on behalf of Pechiney
Development Ltd.

Field Work between June 20 and July 30, 1974

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5175	MAP _____

W. G. Hainsworth, P, Eng.
Canadian Exploration Manager

Report by
J.P. Guelpa,
Geologist
October 7, 1974



General Location of the MOSQUITO Claims

Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. **5175** MAP **#9**

TABLE OF CONTENTS

	<u>Page</u>
I CLAIMS - LOCATION - ACCESS	1
II PREVIOUS WORK	3
III FIELD WORK BETWEEN JUNE 20 - JULY 30, 74	3
IV RESULTS OF FIELD WORK	5
V CONCLUSION AND PHYSICAL WORK	6

APPENDICES

- I PERSONNEL CERTIFICATES
- II COST BREAKDOWN

MAPS

- # 1 #1 CLAIM MAP Scale 1" : 400'
- # 2 #2 MAGNETOMETER SURVEY JUNE 1974
Scale 1" : 400'
- # 3 #3 SOIL SURVEY JUNE 1974 Scale 1" : 400'
- # 4 #4 FREQUENCY EFFECT n = 1 MIXED
Scale 1" : 400'
- # 5 #5 FREQUENCY EFFECT n = 2 MIXED Scale 1" : 400'
- # 6 #6 RESISTIVITY MAP n = 1 MIXED Scale 1" : 400'
- # 7 #7 RESISTIVITY MAP n = 2 MIXED Scale 1" : 400'
- # 8 #8 I.P. Profile, 1974, Line 0
- # 8A #8A I.P. Profile, 1974, Line 5 North
- #9 Location map

I CLAIMS - LOCATION - ACCESS

The MOSQUITO-ZAP group of claims is composed of a block of 26 claims, recorded as follows:

<u>Claim Name</u>	<u>Record No.</u>
MOSQUITO 1	115 409
MOSQUITO 2	115 410
MOSQUITO 3	115 411
MOSQUITO 4	115 412
MOSQUITO 5	115 413
MOSQUITO 6	115 414
MOSQUITO 7	115 415
MOSQUITO 8	115 416
MOSQUITO 9	115 417
MOSQUITO 10	115 418
ZAP 1	126 064
ZAP 2	126 065
ZAP 3	126 066
ZAP 4	126 067
ZAP 5	127 473
ZAP 6	127 474
ZAP 7	127 475
ZAP 8	127 476
ZAP 9	127 477
ZAP 10	127 478
ZAP 11	127 479
ZAP 12	127 480

<u>Claim Name</u>	<u>Record No.</u>
ZAP 13	127 481
ZAP 14	127 482
ZAP 15	127 483
ZAP 16	127 484

The claims are located $4\frac{1}{2}$ miles south of Mt. Milligan and some 50 miles north of the town of Fort St. James; the approximate coordinates of the claims are X = $124^{\circ}03'$; Y = $55^{\circ}07'$ on N.T.S. map 93 NW.

Access to the claims is possible by helicopter only from the base of Fort St. James.

The relief is rough as half of the claims are located on a steep slope facing southward and covered by fallen trees. The remaining claims cover a gently northeastward dipping plateau limited by hills to the north.

Outcrops occur well in the north part of the property. There are less outcrops on the slope which is covered by talus formations.

II PREVIOUS WORK (1972 - 1973)

1972 - Geological mapping 1" : 400'. Soil survey along N-S lines, 500' apart, with samples being collected every 300'

1973 - IP survey along EW lines using a 400' electrode spread

III FIELD WORK BETWEEN JUNE 20 - JULY 30, 1974

It was decided to carry out more ground work before locating drill sites in order to obtain a better pinpointing.

The work consisted of:

- a) Ground magnetometer survey
- b) Detail soil sampling survey
- c) Additional detailed IP survey on two lines 0 and 5N.

Ground magnetometer and soil sampling were carried out by a Pechiney crew of 3 consisting of P. Plicka, geologist, David Hopper, student, and Paul Kendrick, helper. It was conducted from June 20 to July 1, 1974.

The grid used was the 1973 IP grid; however, it was necessary to extend the line cutting fro 2000 feet on lines 0 and 5N which were intended to be rerun and prolonged using a X = 200' electrode spread instead of a X = 400' in 1973. The magnetometer used was a MF1 Fluxgate Sharp magnetometer which measures the vertical field. Daily variations were minimum and it was not found necessary to do any corrections for the purpose of the survey. Readings were taken every 100 feet on a general basis and every 50 feet where necessary.

The soil sampling was completed with a 4' steel auger. 433 samples were collected from the B horizon and sent to Min-En Laboratories for Cu analysis by atomic absorption.

The IP survey on lines 0 and 5N was carried out by McPhar Geophysics Ltd. between June 23 and July 4, 1974. Helicopter support was provided by Okanagan Helicopters, Smithers and Germansen Landing, B.C.

IV RESULTS OF FIELD WORK

4.1. Magnetometer Survey (see map # 2)

The survey shows a broad WNW-ESE trend which hence is slightly oblique on the NW SE frequency effect trend. The magnetic trend is indicated by the 200 contour line. A broad higher magnetic field east of this line is likely due to andesites which carry fair amounts of magnetite. Lower readings were obtained over weak magnetic andesites.

4.2. Soil Survey (see map # 3)

Contouring the soil values shows the preeminence of a WNW to NW trend. There is a good coincidence of soil anomalies with frequency effects for $n = 2$.

4.3. IP Survey (Profiles 0 and 5N)

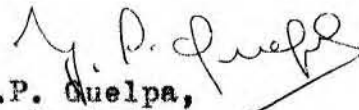
Lines 0 and 5N were rerun and extended from 45E to 61E using a 200' electrode spread. Results show high readings all along the two profiles and therefore are not really useful in pinpointing targets.

V CONCLUSION AND PHYSICAL WORK

It was decided to drill 4 shallow diamond drill holes during the 1974 summer season. The contract was awarded to Wright Drilling of Kamloops and was to be started during the last week of August.

Drill sites and heliports were cleared up between July 25 and July 30, 1974 by a crew of two: Jerry Auger, a professional logger from Smithers, B.C. and Charles French from Takla Landing, B.C. Helicopter support was provided by Okanagan Helicopters Ltd.

Respectfully submitted,


J.P. Quelpa,
Geologist


W. G. Hainsworth, P. Eng.
Canadian Exploration Manager

APPENDIX I

Personnel Certificates

PLICKA, Paul; Geologist, Graduate of Prague University (Czechoslovakia) 1966. Engaged in mineral exploration in British Columbia since 1969.

HOPPER, David; Student. Third year of summer employment with Pechiney Development Ltd.

KENDRICK, Paul; Student. Worked for Pechiney Development Ltd. as a soil sampler.

AUGER, Jerry; Professional logger, Smithers, B.C.

FRENCH, Charles; many years of experience as helper in the mining and logging industry.

CONTRACTORS

McPHAR GEOPHYSICS LTD., 837 West Hastings St., Vancouver, B.C.

MIN-EN LABORATORIES, 705 West 15th Street, North Vancouver, B.C.

APPENDIX II

Cost Breakdown

PHYSICAL WORK (July 25 - July 30, 1974)

Mr. Jerry Auger and Mr. Charles French
Clearing of 4 drill sites and heliports

Salaries:	6 days @ \$80/day	\$ 480	
	6 days @ \$25/day	<u>150</u>	\$ 630.00
Food	6 days @ \$10/day/man		120.00
Power saw rental for helper (Ch. French)			35.00
Helicopter support 3.8 hrs. @ \$300/Hr			<u>1,140.00</u>
			<u>\$ 1,925.00</u>

\$1,800.00 to be applied for 1 year assessment to claims
MOSQUITO 1 - 9 inclusive

GEOCHEMICAL AND GEOPHYSICAL FIELD WORK (June 20 - July 4, 1974)


1. Soil Sampling and Magnetometer Survey
(Pechiney Development Ltd. crew)

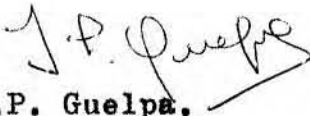
Salaries	P. Plicka 10 days @ \$40/day	\$400	
	D. Hopper 14 days @ \$20/day	280	
	P.Kendrik 14 days @ \$18/day	<u>152</u>	832.00

D. Hopper and P. Kendrik also worked as
helpers for the IP crew (McPhar Geophysics Ltd.)

Food	38 man/days @ \$10	\$ 380.00
Analysis	433 samples @ \$1.35/sample	584.00
Magnetometer rental	10 days @ \$10/day	100.00
Helicopter support	4.5 hrs @ \$300/hr	1,350.00
2.	<u>IP Survey</u> (McPhar Geophysics Ltd.) (see attached copy of invoice)	2,178.00
	Helicopter support 4 hrs. @ \$300/hr	1,200.00
3.	<u>Supervision</u>	
	J.P. Guelpa 3 days @ \$80/day	240.00
4.	<u>Preparation of Report</u>	200.00
		<hr/>
		\$ 7,064.00
		<hr/> <hr/>

\$5,200.00 to be applied to the MOSQUITO 1 - 10 incl. claims
and to the ZAP 1 - 16 incl. claims for 1 year assessment


W.G. Hainsworth, P. Eng.
Canadian Exploration Manager


J.P. Guelpa,
Geologist

SEE OVER

McPHAR GEOPHYSICS COMPANY

PHONE 449-5551
TORONTO AREA CODE 416

139 BOND AVENUE, DON MILLS, ONTARIO, CANADA, M3B 1M1

CABLE-McPHAR
TORONTO

August 12, 1974

Invoice No. G-18016

Pechiney Development Limited N.P.L.
Suite 701,
744 West Hastings Street,
Vancouver, B.C.

Attention: Mr. Guelpa

REFERENCE:- IP Survey - Mosquito Claims - Omineca M.D. B.C.
Contract No. V 1078

Crew:- R. Bing - D. Langlois

Period:- June 23 - July 4, 1974

4 days Operating	@ \$250.00/day *	\$1,000.00
2½ days Preparation)		
3 days Travel) 7 days	@ \$125.00/day	875.00
1½ days Standby)		
½ day Off		N.C.

Expenses paid July, 1974

Meals & Accommodation	251.05
Taxis	18.55
Vehicle expense	3.47
Supplies	3.13
	<u>276.20</u>
+ 10%	<u>27.62</u>

303.82
\$2,178.82

* No Reporting Rate

McPHAR GEOPHYSICS COMPANY

Rec'd 2/25
CN

(CN)

7/25/74

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5175 MAP #1

MOSQUITO-ZAP GROUP

CLAIMS MAP

SCALE: 1" = 400'
0 400 800

JUNE 1974

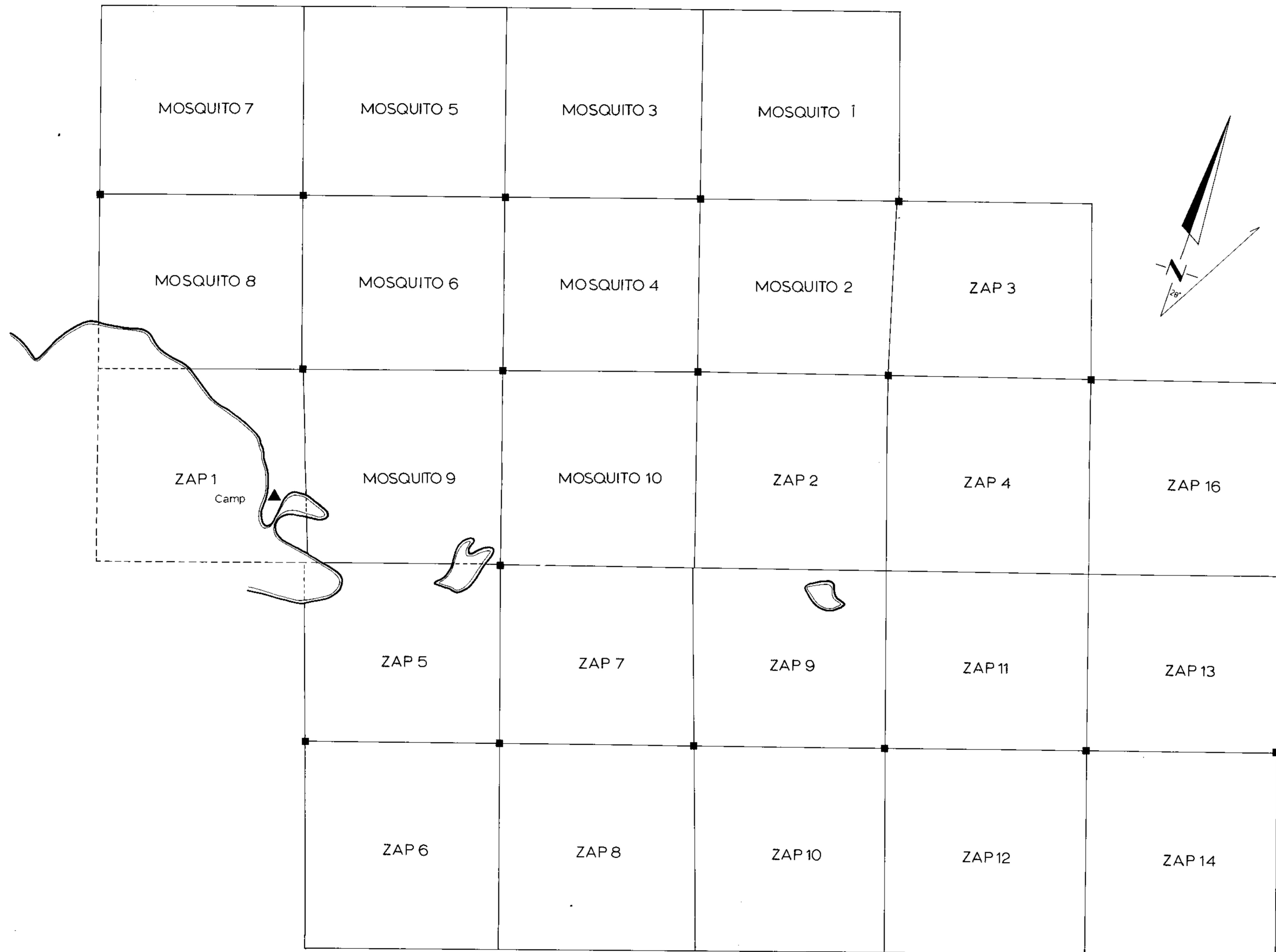
LEGEND

- Claim post
- Claim lines

5175
M1

To accompany assessment report on the Mosquito-Zap claims group
by geologist J.P. Guelzo Oct. 7, 1974

J.A. [Signature]



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5175 MAP #2

MOSQUITO CLAIMS

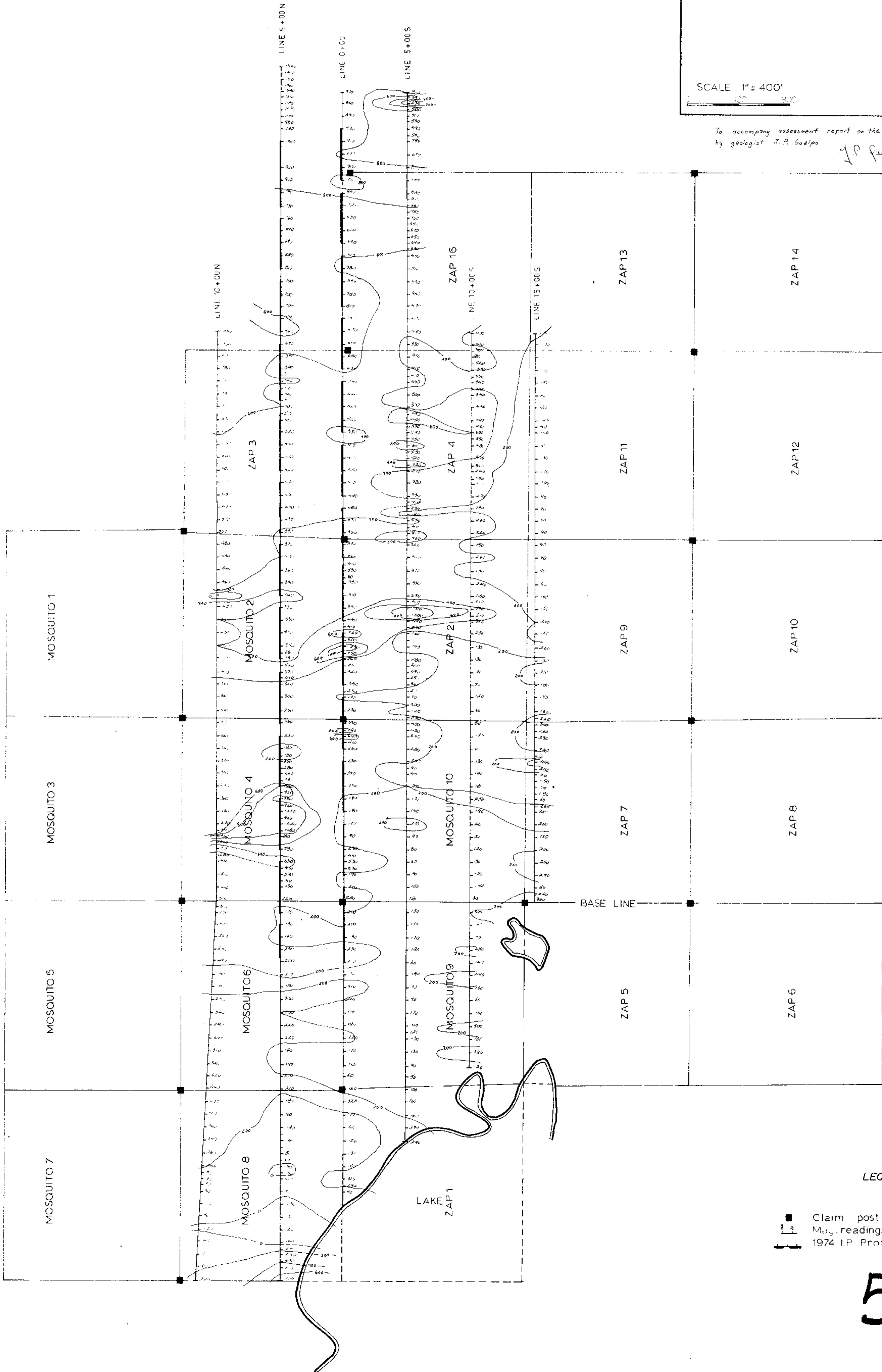
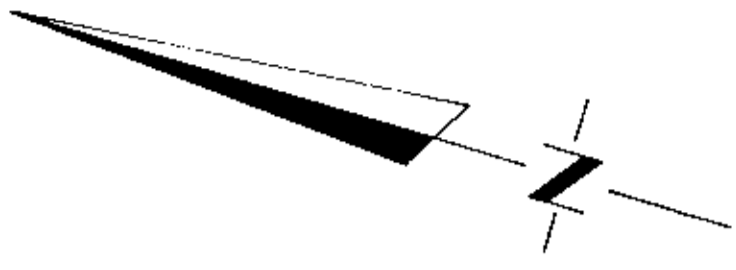
MAGNETOMETER SURVEY

SCALE 1" = 400'

JUNE 1974

To accompany assessment report on the Mosquito-Zap claims group
by geologist J.P. Guelpo Oct 7, 1974

JP Guelpo



LEGEND

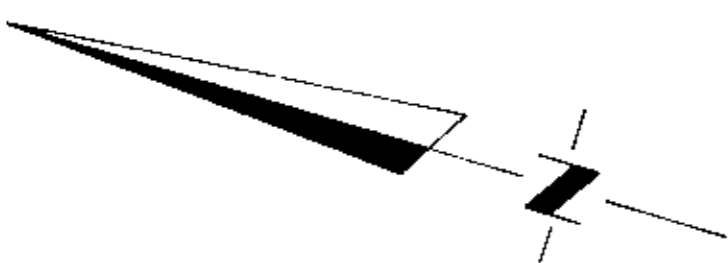
- Claim post
- Mag. readings in gammas
- 1974 I.P. Profile

5175
M2

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5175 MAP #3

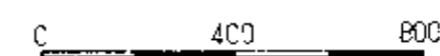
MOSQUITO-ZAP GROUP

GEOCHEMISTRY SOIL SURVEY



SCALE: 1 inch = 400 ft

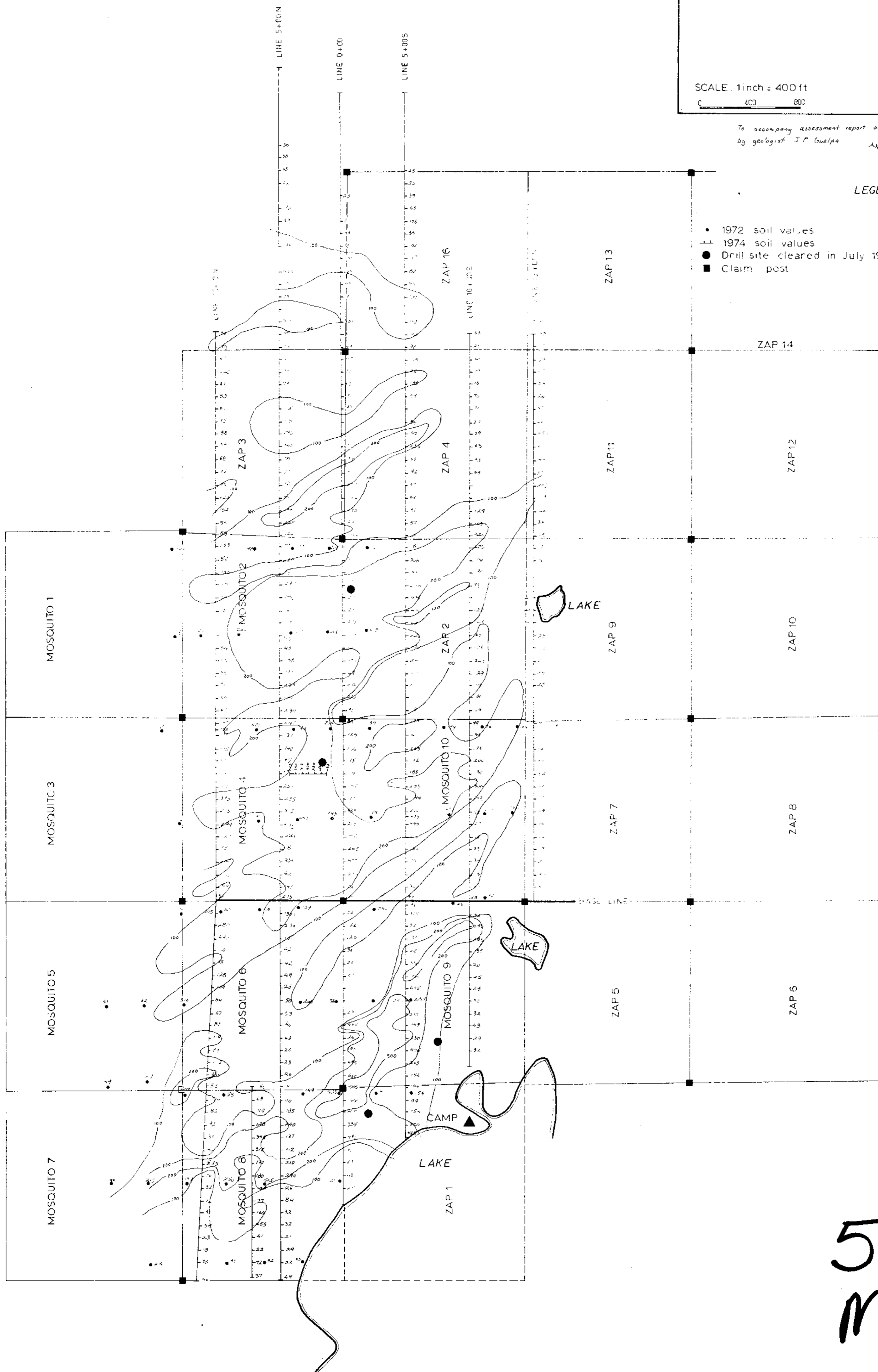
JUNE 1974



To accompany assessment report on the Mosquito-Zap claims group
by geologist J.P. Guelzo Oct. 7/74

LEGEND

- 1972 soil values
- ± 1974 soil values
- Drill site cleared in July 1974
- Claim post



5175
M3

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5175 MAP #4

MOSQUITO CLAIMS

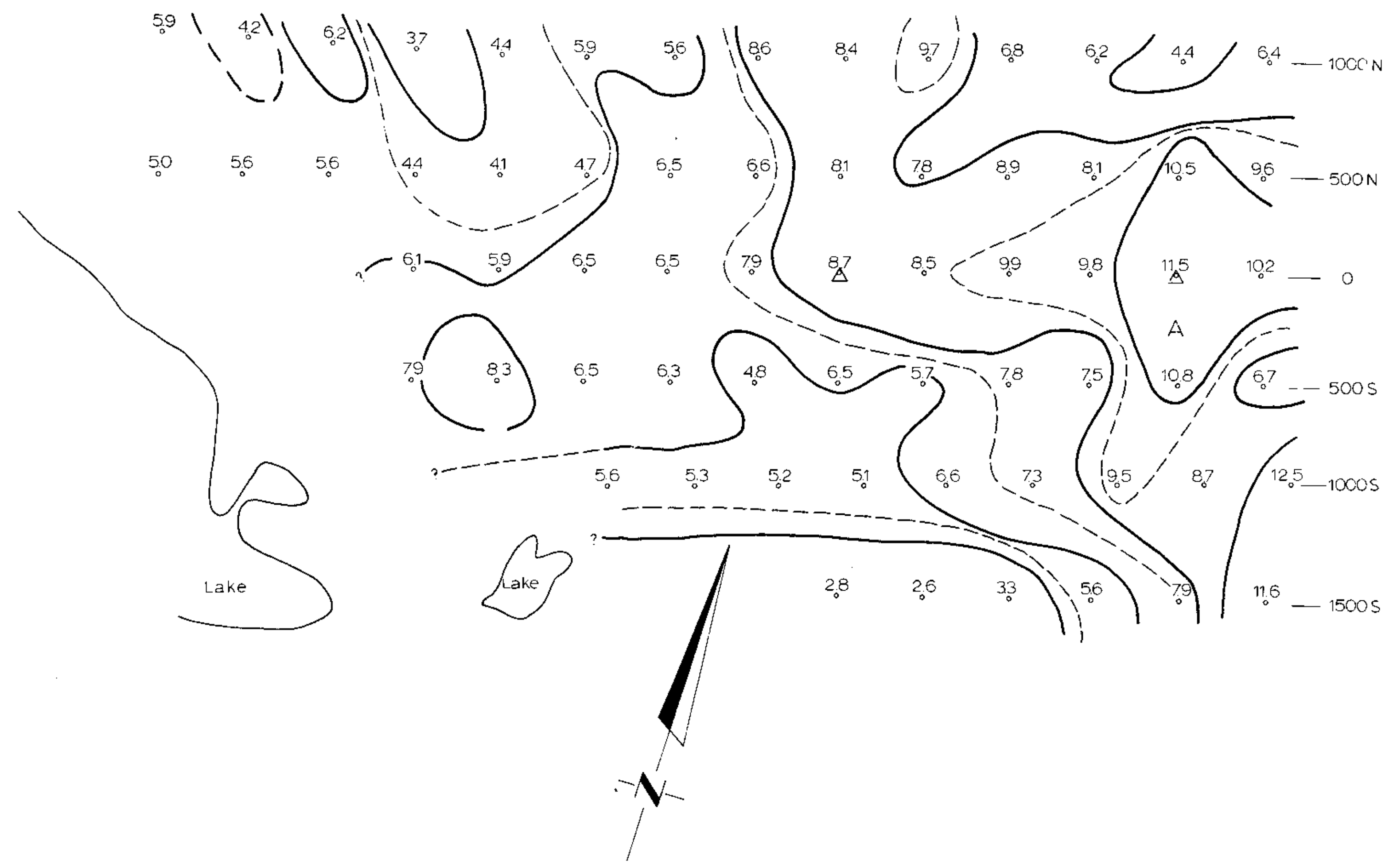
FREQUENCY EFFECT n=1 mixed

5175
 M4

SCALE: 1 inch = 400 ft

To accompany assessment report on the Mosquito Zap claims group
 by geologist J.P. Gualpa, Oct. 7 1974

J.P. Gualpa



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **5175** MAP **#5**

MOSQUITO CLAIMS

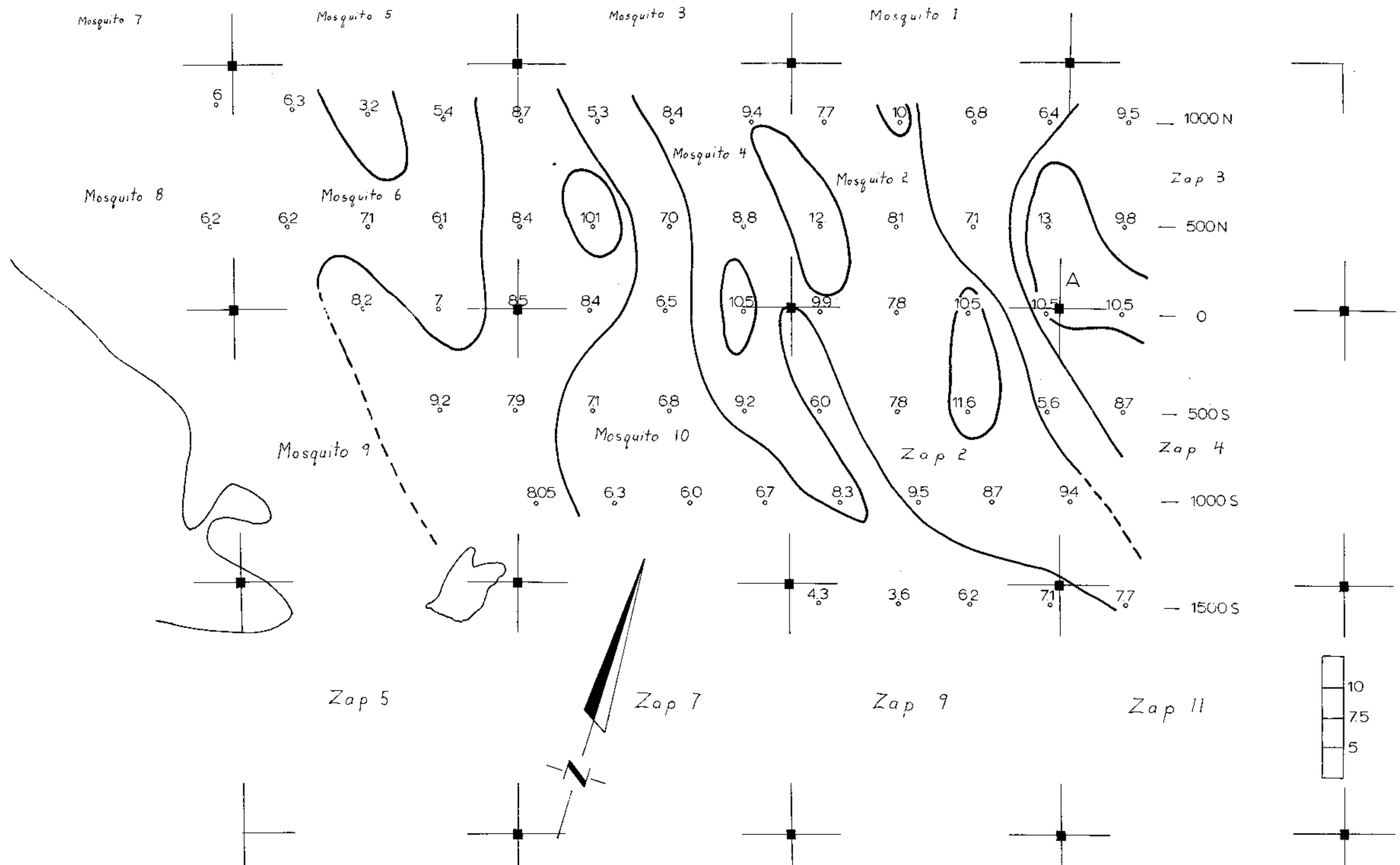
FREQUENCY EFFECT n=2 mixed

5175
M5

SCALE: 1 inch = 400 ft

To accompany assessment report on the Mosquito-Zap claims group
 by geologist J.P. Guelpa. Oct 7, 1974

J.P. Guelpa



Department of
 Mines and Technical Resources
 MINERAL RIGHTS UNIT
 NO. **5175** MAP #6

MOSQUITO CLAIMS

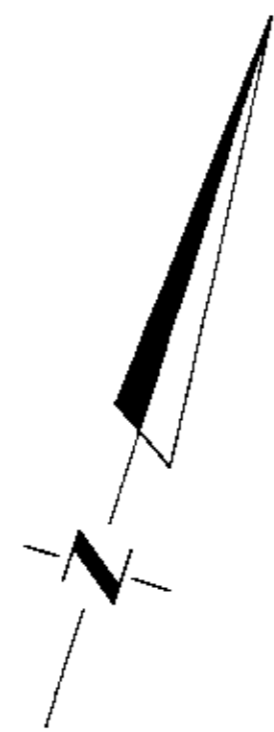
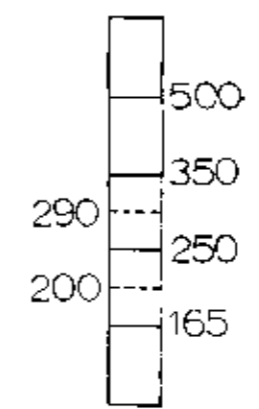
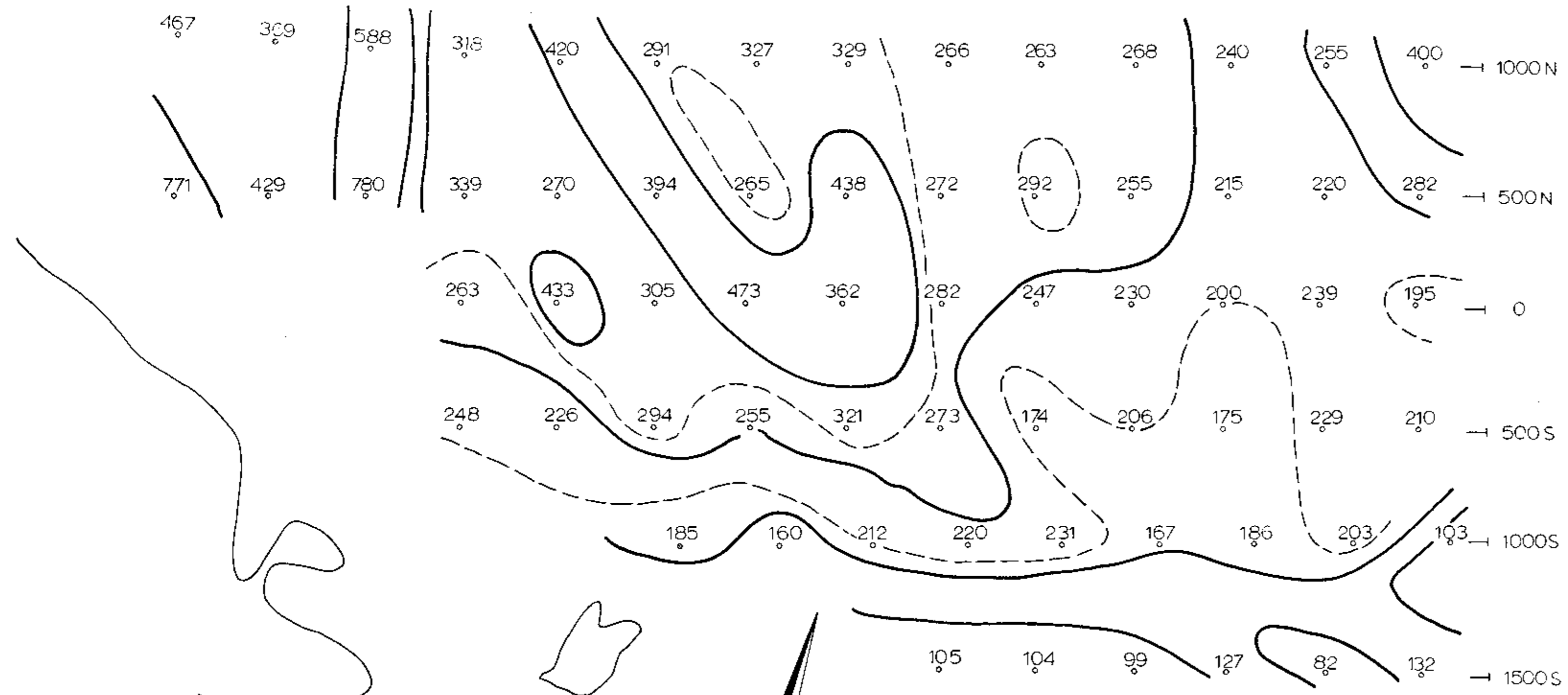
RESISTIVITY n=1 mixed

5175
M6

SCALE: 1 inch = 400 ft

To accompany assessment report on the Mosquito-Zap claims group
 by geologist J.P. Guelpe. Oct 7, 1974

J.P. Guelpe



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **5175** MAP #7

MOSQUITO CLAIMS

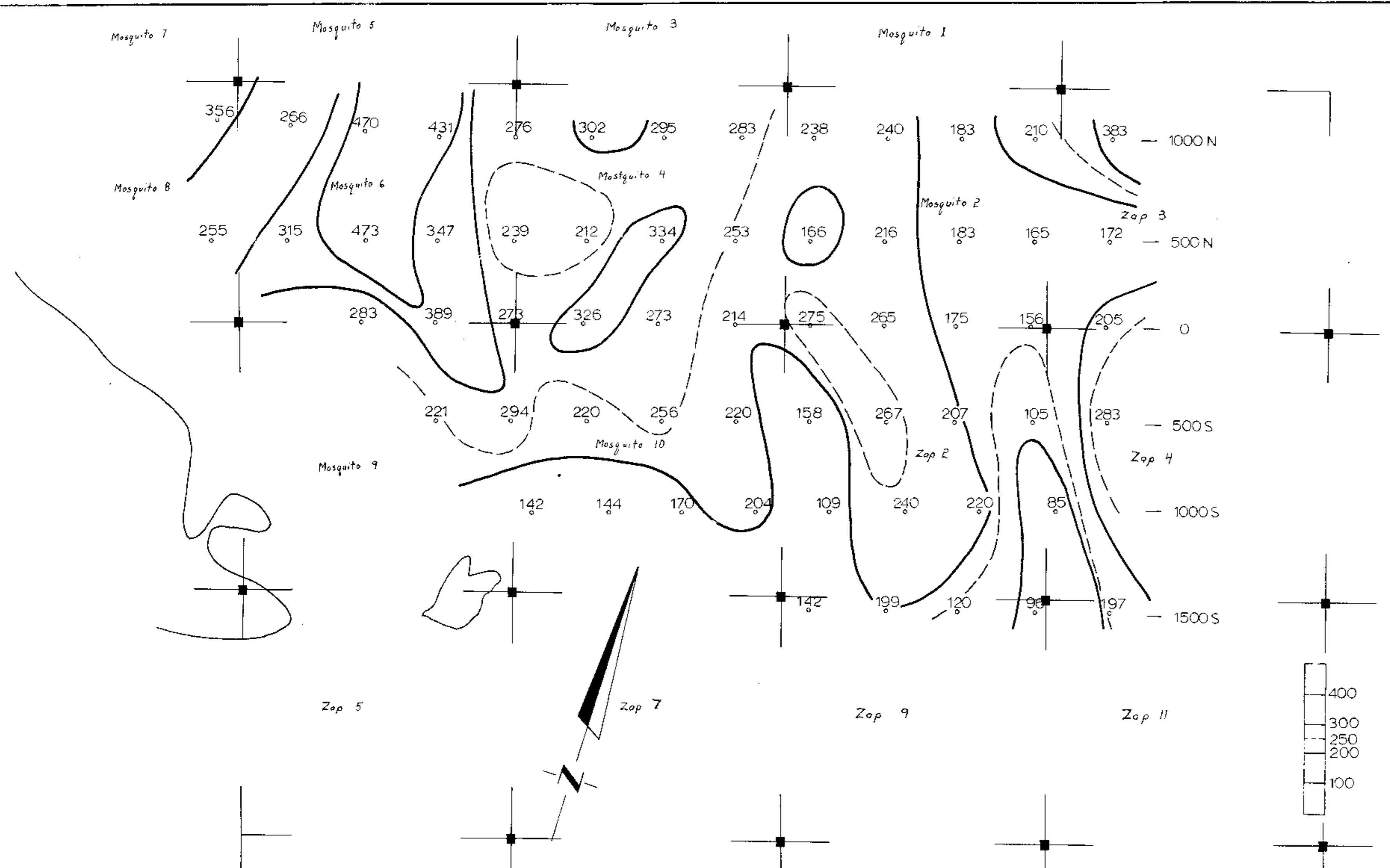
RESISTIVITY n=2 mixed

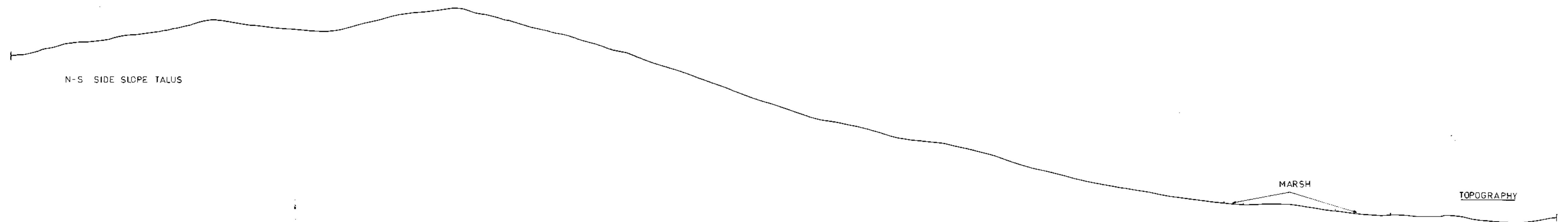
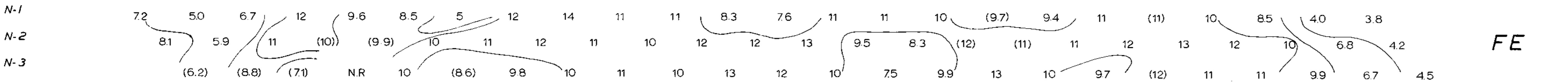
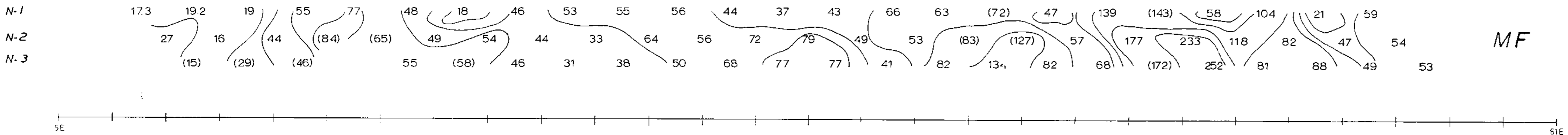
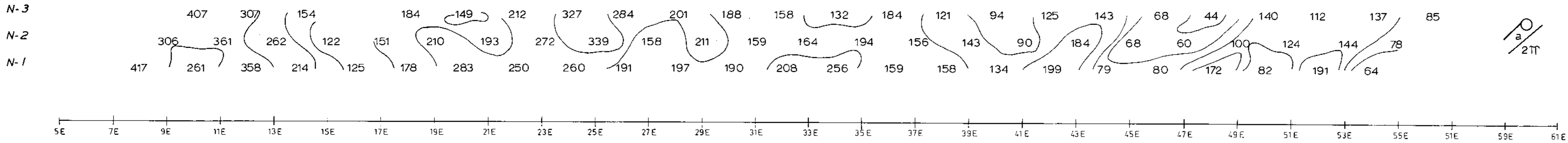
5175
M7

SCALE: 1 inch = 400ft

To accompany assessment report on the Mosquito-Zap claims group
 by geologist J.P. Guelpo Oct. 7, 1974

J.P. Guelpo





Department of
 Mines and Petroleum Resources
 FIELD REPORT
 NO. 5175 #8

MOSQUITO CLAIMS

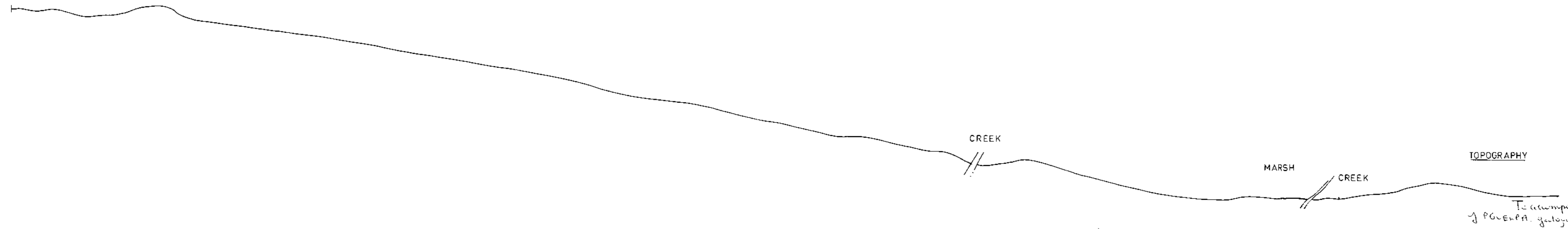
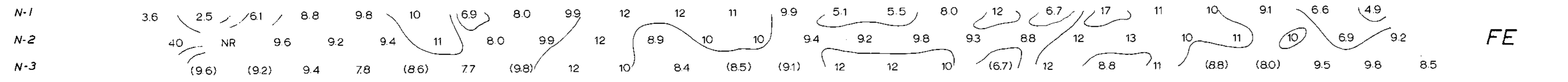
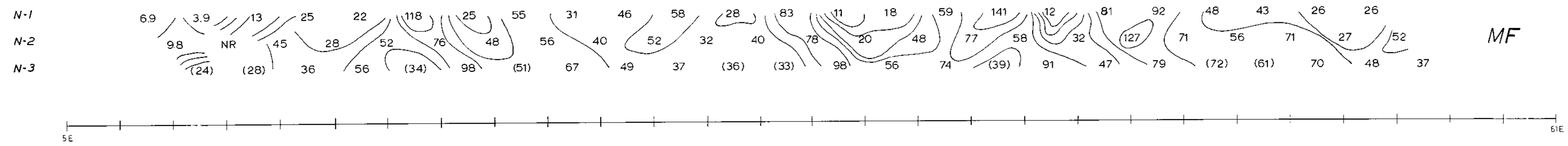
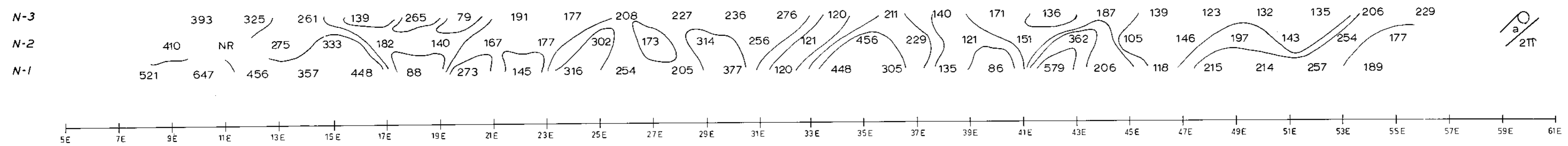
I.P SURVEY DIPOLE DIPOLE

5175
M8
 JUNE 28, 1974

SCALE: 1 inch = 200 ft
 0 200 400

SPREAD: 200' LINE: 0 FREQ: 03 + 5 HZ
 OPERATOR: R. BING, McPHAR GEOPHYSICS

To accompany assessment report by subject dated 2/1/1974
 [Signature]



To accompany assessment report by
 J. P. G. E. P. A. geologist Oct 7 1974 J.P.G.

PECHINEY DEVELOPMENT LTD MAP N8A

Department of
 Mineral and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5175 MAP #8A

MOSQUITO CLAIMS

IP SURVEY DIPOLE DIPOLE

5175

M8A

SCALE: 1 inch = 200 ft
 0 200 400

JUNE 29, 1974

SPREAD: 200' LINE 5 NORTH FREQ: 03+5H2
 OPERATOR: R BING, McPHAR GEOPHYSICS