

MEMORANDUM ON THE ⁹³²
INDUCED POLARIZATION
AND RESISTIVITY RESULTS **811944**
ON THE
NORTH DUNALTER PROPERTY
BULKLEY VALLEY, B.C.
FOR
SEARCHLIGHT EXPLORATION CORPORATION

M c PHAR GEOPHYSICS LIMITED
MEMORANDUM ON THE
INDUCED POLARIZATION
AND RESISTIVITY RESULTS
ON THE
NORTH DUNALTER PROPERTY
BULKLEY VALLEY B.C.
FOR
SEARCHLIGHT EXPLORATION CORPORATION

The induced polarization and resistivity survey was carried out to investigate airborne anomalies. No detailed geological information is available for this area.

The survey consisted of five east-west lines, with the lines 800 feet apart; 500 - foot electrode separations were used at frequencies of 0.3 and 5 cps.


The resistivities were very low throughout the survey area and only two lines showed any significant increase in frequency effects. Anomalous metal factor values other than those discussed below appear to reflect resistivity lows only.

The two lines of interest are Line 12N and Line 4N. The anomaly on Line 12N extends from 20W to 35W; the anomaly on Line 4N extends from 18W to 35W. The source of the two anomalies may be continuous, but the lines are too widely separated to make that assumption at this time. The source of both anomalies is deep relative to the electrode interval, as the anomalous values.

occur on $n = 3$ only.

If the IP anomalies coincide with the airborne anomalies, parallel intermediate lines could be surveyed between Line 4N and Line 12N to determine the continuity of the source. If this is done, readings taken to $n = 4$ would be useful in further evaluation of the IP data.

McPHAR GEOPHYSICS LIMITED



Marion A. Goudie,
Geologist.

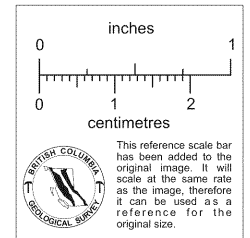


Robert A. Bell,
Geologist.

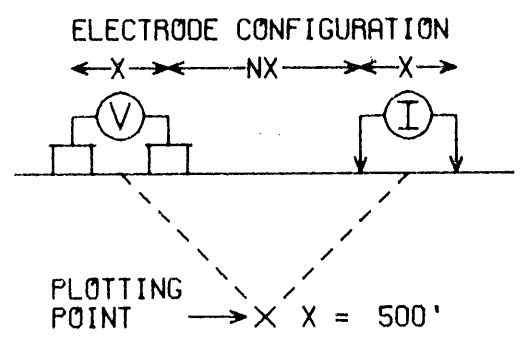
Dated: February 2, 1971

SEARCHLIGHT EXPLORATION CORPORATION

NORTH DUNALTER PROPERTY, BULKLEY VALLEY AREA
OMINECA M.D., B.C.



LINE NO. - 20N



SURFACE PROJECTION OF ANOMALOUS ZONES
DEFINITE **————**
PROBABLE **|||||**
POSSIBLE **////**

FREQUENCIES: 0.31-5.0 HZ

DATE SURVEYED: OCT 1970

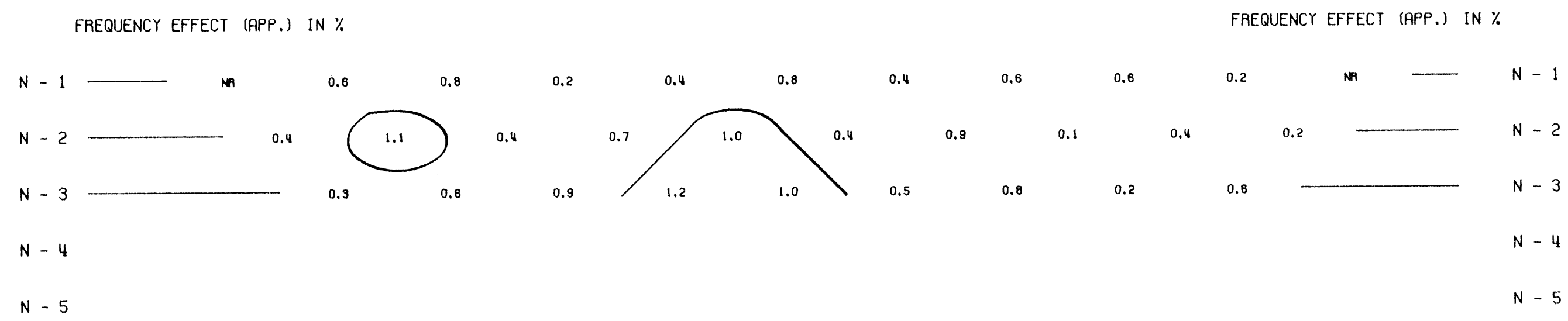
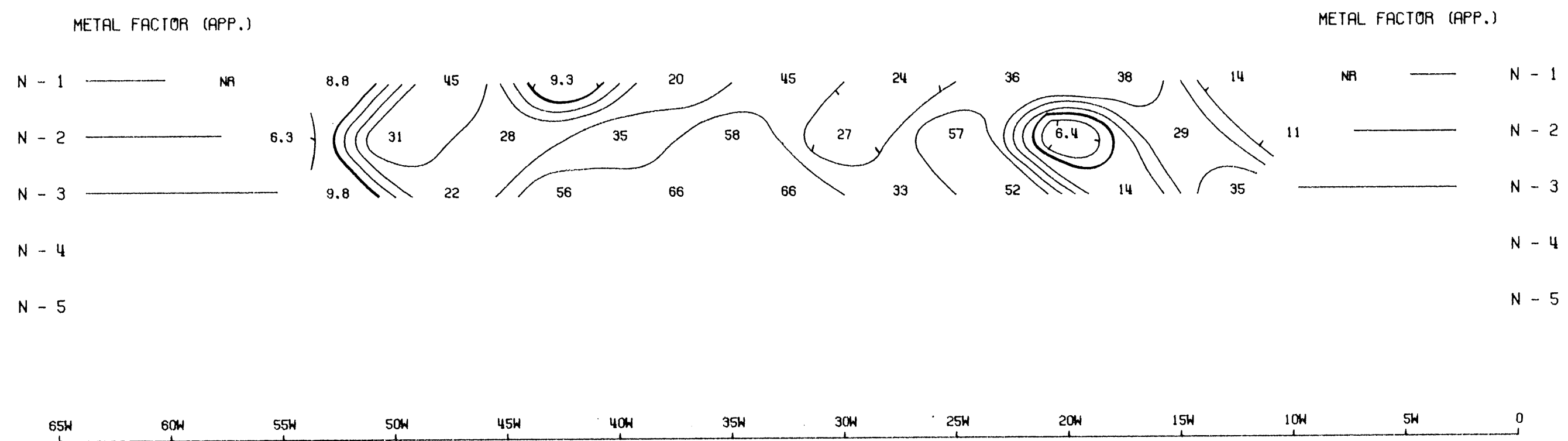
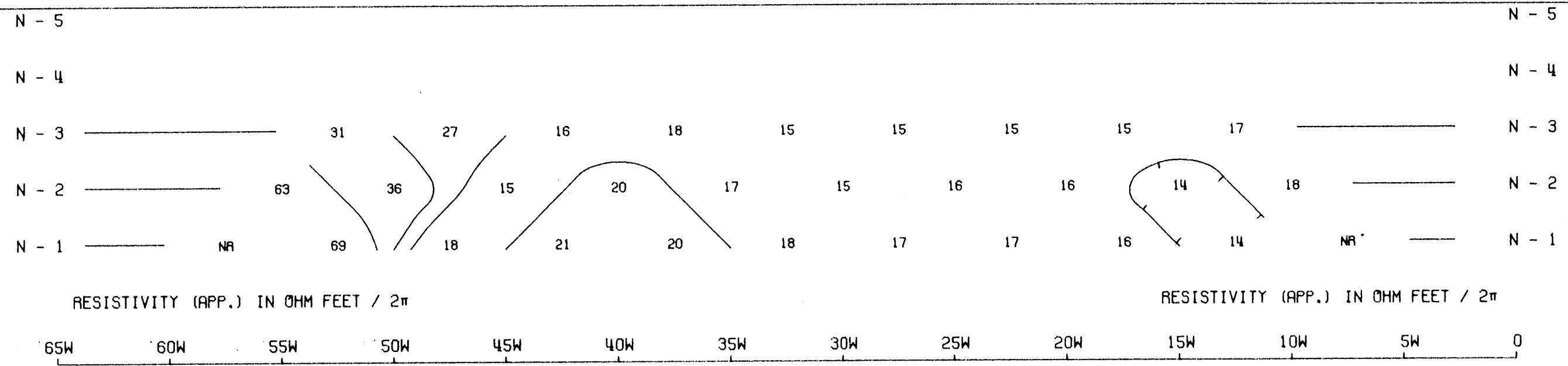
APPROVED: *Trals*
DATE: 2 Feb 71

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

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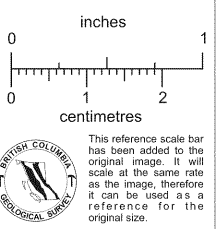
INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED WITH AN IBM 360/65 COMPUTER AND A CALCOMP PLOTTER

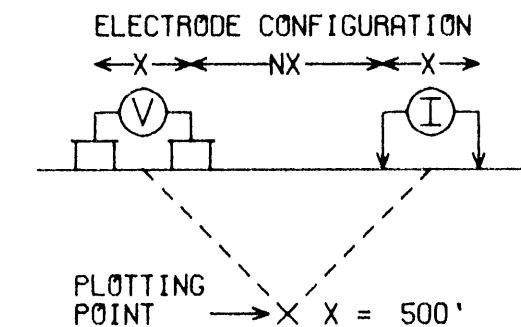


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NORTH DUNALTER PROPERTY, BULKLEY VALLEY AREA
OMINECA M.D., B.C.



LINE NO. - 12N



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.31-5.0 HZ

DATE SURVEYED: OCT 1970

APPROVED:

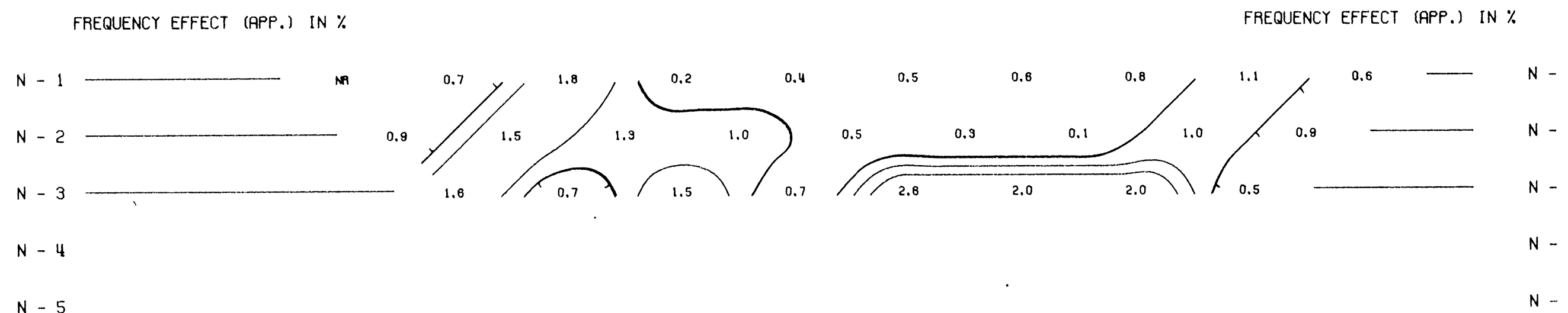
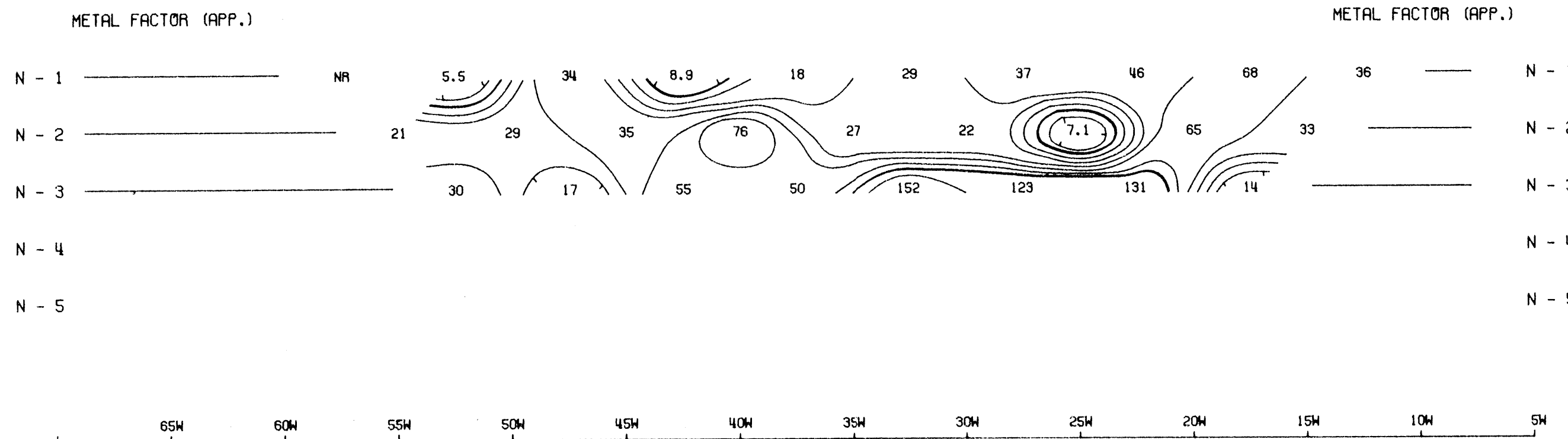
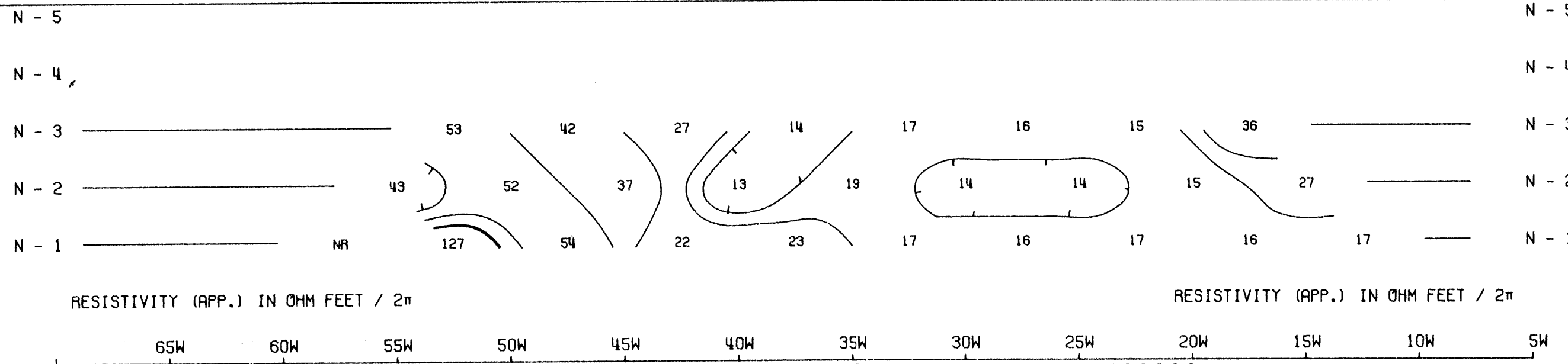
NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE: 2 Feb 71

McPHAR GEOPHYSICS

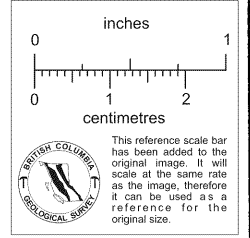
INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED WITH AN IBM 360/65 COMPUTER AND A CALCOMP PLOTTER

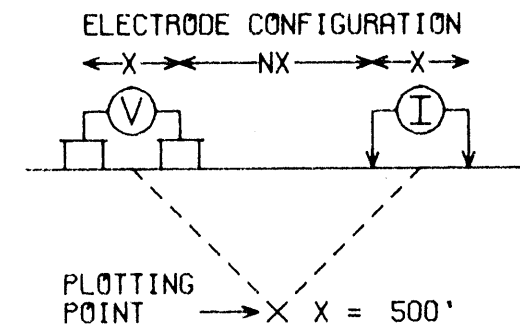


SEARCHLIGHT EXPLORATION CORPORATION

NORTH DUNALTER PROPERTY, BULKLEY VALLEY AREA
OMINECA M.D., B.C.



LINE NO. - 4N



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE **————**
PROBABLE **|||||**
POSSIBLE **////**

FREQUENCIES: 0.31-5.0 HZ

DATE SURVEYED: OCT 1970

APPROVED: *Tras*

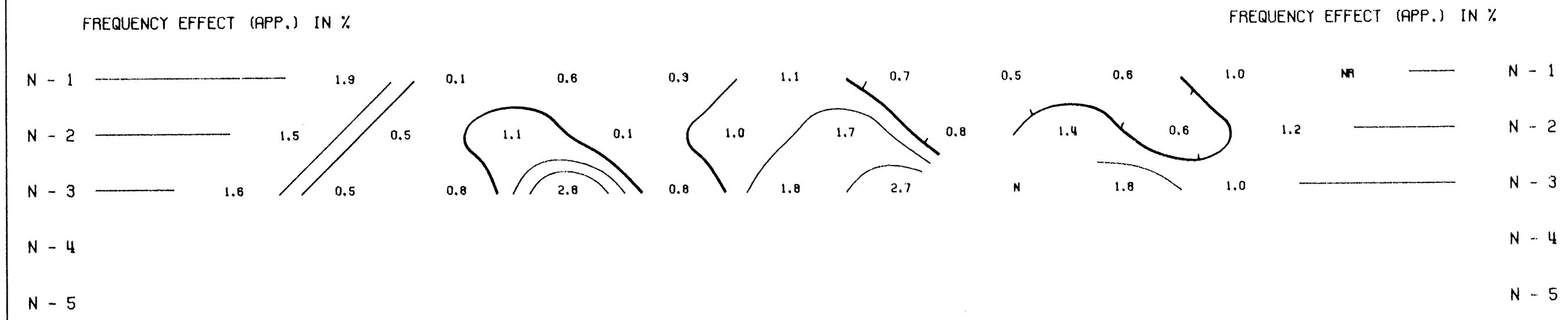
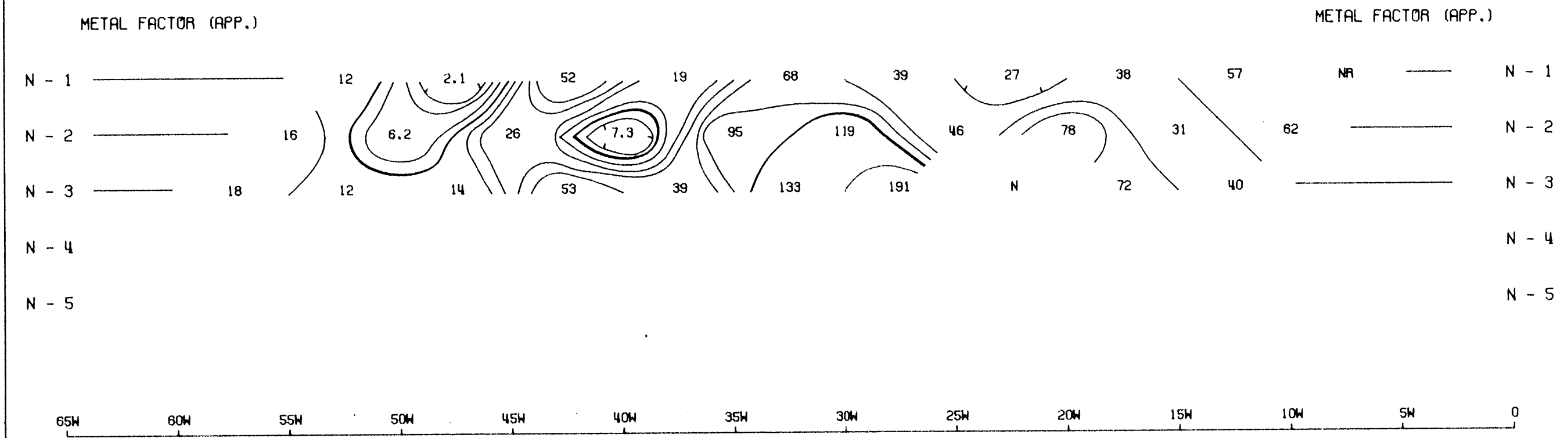
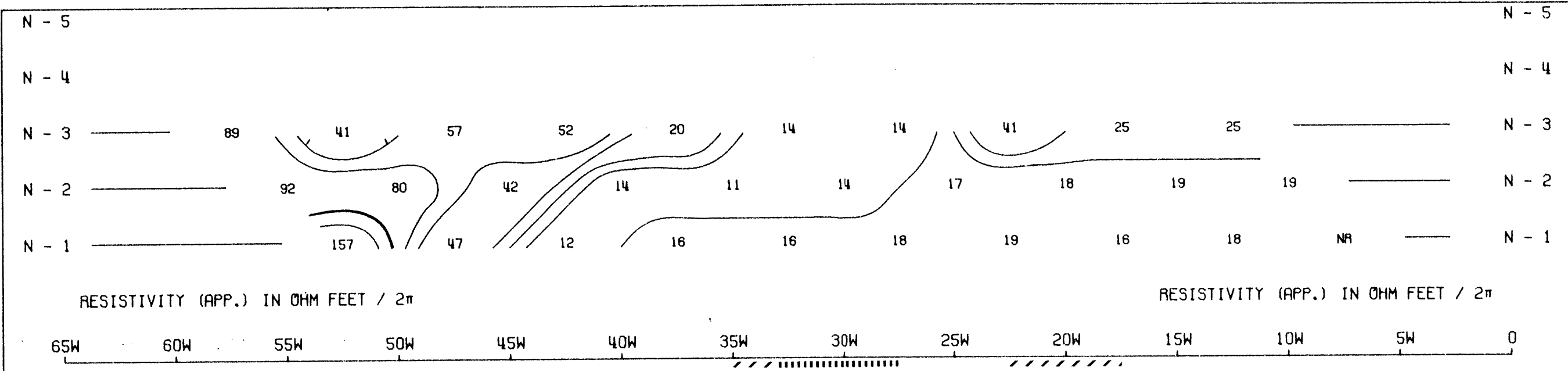
NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE: 2 Feb 71

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INDUCED POLARIZATION AND RESISTIVITY SURVEY

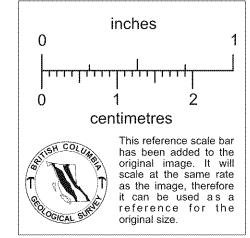
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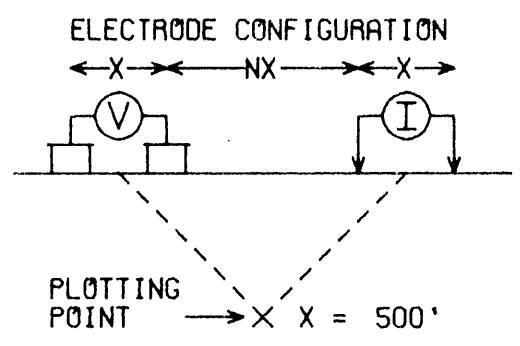
SEARCHLIGHT EXPLORATION CORPORATION

NORTH DUNALTER PROPERTY, BULKLEY VALLEY AREA

OMINECA M.D., B.C.



LINE NO. - 45



SURFACE PROJECTION OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE

FREQUENCIES: 0.31-5.0 HZ

DATE SURVEYED: OCT 1970

APPROVED:

DATE: 2 Feb 71

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED WITH AN IBM 360/65 COMPUTER AND A CALCOMP PLOTTER

