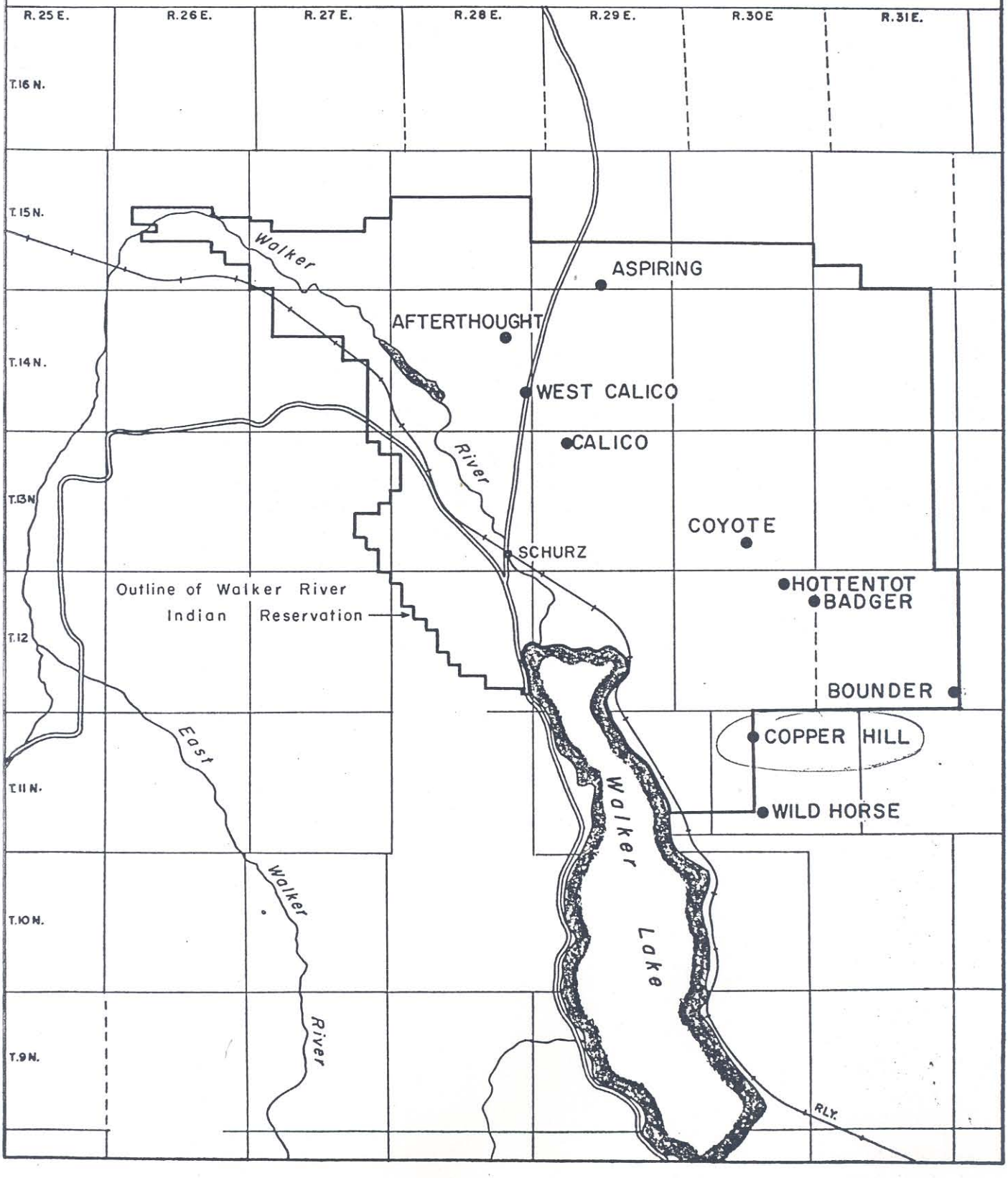
6000 0139 (0760)
MMS # 36

COPPER HILL (DELTA CLAIMS):
Induced Polarization

WALKER-MARTEL MINING COMPANY

PROSPECT LOCATIONS FOR GEOPHYSICAL SURVEY PROGRAMS

LOCATION MAP



MMS#36

FOR GOVERNMENT USE ONLY

McPHAR GEOPHYSICS LIMITED

REPORT ON THE INDUCED POLARIZATION AND RESISTIVITY SURVEY AT THE COPPER HILL PROSPECT AND WILDHORSE CANYON PROSPECT MINERAL COUNTY, NEVADA FOR WALKER-MARTEL MINING COMPANY

PROPRIETARY

COPPER HILL FEB 23, '66

1. INTRODUCTION

At the request of Mr. Robert L. Redmond, Exploration Manager for the Company, short induced polarization surveys have been carried out in two areas in Mineral County, Nevada, on behalf of Walker-Martel Mining Company. The two prospect areas are within the large Walker River Indian Reservation; they were chosen for further exploration because geologic examination has shown the presence of base metal mineralization. The induced polarization and resistivity survey was planned in an attempt to locate any zones of metallic base metal mineralization that might be present.

2. PRESENTATION OF RESULTS

The induced polarization and resistivity results are shown on the following enclosed data plots. The results are plotted in the manner described

in the notes preceding this report.

Copper Hill Prospect

Line A	500' electrode intervals	Dwg. IP 2391-1
Line C	500' electrode intervals	Dwg. IP 2391-2
Line B+6E	200' electrode intervals	Dwg. IP 2391-3
Line B+4E	200' electrode intervals	Dwg. IP 2391-4
Line B+2E	200' electrode intervals	Dwg. IP 2391-5
	100' electrode intervals	Dwg. IP 2391-6
	50' electrode intervals	Dwg. IP 2391-7
Line B	200' electrode intervals	Dwg. IP 2391-8
	100' electrode intervals	Dwg. IP 2391-9
Line B+2W	200' electrode intervals	Dwg. IP 2391-10
Line B+24W	500' electrode intervals	Dwg. IP 2391-11

Copper Hill Prospect Dwg. Misc. 3151

The definite and possible induced polarization anomalies are indicated by solid and broken bars respectively on these plan maps as well as the data plots. These bars represent the surface projection of the anomalous zones as interpreted from the location of the transmitter and receiver electrodes when the anomalous values were measured.

Since the induced polarization measurement is essentially an averaging process, as are all potential methods, it is frequently difficult to exactly pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the spread length; i. e. when using 100' spreads the position of a narrow sulphide body can only be determined to lie between two stations 100' apart. In order to locate sources at some depth, larger

spreads must be used, with a corresponding increase in the uncertainties of location. Therefore, while the center of the indicated anomaly probably corresponds fairly well with source, the length of the indicated anomaly along the line should not be taken to represent the exact edges of the anomalous material.

3. DISCUSSION OF RESULTS

IP anomalies have been located on most of the lines surveyed. Some of the anomalies are quite definite, and are of interest because of the known base metal mineralization in the areas.

Copper Hill Prospect

Line A

This is one of the three reconnaissance lines surveyed in this area. There is a definite resistivity contrast at about station 0+00; this feature may be due to a rock type change. There are some weak IP effects to the east that probably warrant further work. There are no anomalous IP effects to the west in the quartz-monzonite rocks.

Line C

These IP effects measured on this reconnaissance line are more definite. There is a shallow source at about 15E, and a source at depth at about 30E. The shallow anomaly occurs at the band of limestone. The anomalous effects obviously extend to the east, at depth, for a considerable distance. The anomaly appears to begin at the edge of the Cretaceous diorite. To the east the mineralization must be at depth.

This anomaly is of definite interest, because of the known copper mineralization in the area. The anomalous effects cannot be completely evalu-

ated without making detailed measurements. Because of the known copper, nd the IP anomalies, it is recommended that a grid of several lines be surveyed in this area. The important anomalies should then be drilled.

Line B+6E

This line is nearly coincident with Line C. Station 20+00 SE on Line B+6E coincides with station 25 SE on Line C. The very strong anomaly at 8E to 10E on Line B+6E correlates with shallow source located with 500' spreads at 15E on Line C.

The broad, weaker IP effects measured to the east seem to indicate disseminated mineralization within the diorite.

Line B+4E

This line was surveyed to further detail the anomaly located on Line C and Line B. There is an old shaft at approximately 8+50E, and a definite, narrow, IP source located at depth at about the same point. This anomaly is the continuation of the anomaly located on Line B+6E. There is a second narrow source located at about 14E.

Line B+2E

The 200' spread results on this line are very similar to those on the line to the east. The measurements with shorter electrode intervals show the anomalies in more detail. The 50' spread results suggest that the mineralization extends from 8+50E to perhaps 12+50E. The concentration of metallic mineralization within the source is variable. There are narrow zones of concentrated mineralization within the source; one narrow source is centered at 9+50E to 10E.

Line B

The results on this line are also anomalous. The 100' spread

results show only the shallow anomaly centered at 11E; the source could be better evaluated by checking with 50' spreads.

Line B+2W

On this line, the results suggest a more definite separation for the two sources. Some depth is indicated to the top of both sources, although they may be to the side and terminate to the east of this line.

Line B+24W

This line was surveyed almost one-half mile to the west. The IP results show a very strong, broad anomaly beginning at about 5+00SE. The source is shallow, and could be better defined by using shorter electrode intervals. The geologic mapping in this area shows block shales and limestones; no pyrite and/or graphite can be observed in these rocks, but they could be present. This source for the anomaly should be kept in mind.

4. CONCLUSIONS AND RECOMMENDATIONS

The IP anomalies located at the Copper Hill Prospect and the Wildhorse Canyon Prospect obviously warrant further investigation, and eventually drilling. Some geologic information is already available, and the sources of the anomalous effects should be correlated with this data.

The anomalies located in the vicinity of Line B at Copper Hill are complex. Further work with shorter electrode intervals, and on parallel lines, is warranted in order to better evaluate the results. There is enough data on Line B+2E to spot a drill hole, if this is to be done before more geophysical work is carried out.

The area is large, and only a small area has been covered in the work done during this survey. Other, more important, anomalies may be present, and it is recommended that reconnaissance lines be used to cover a larger area of interest.

McPHAR GEOPHYSICS LIMITED

SUPPLEMENTARY REPORT ON THE FURTHER INDUCED POLARIZATION AND RESISTIVITY RESULTS FROM THE BOUNDER PROSPECT AND THE COPPER HILL PROSPECT MINERAL COUNTY, NEVADA FOR WALKER-MARTEL MINING COMPANY

COPPER HILL July 28, '66

INTRODUCTION

Previous reports decribe the first induced polarization and resistivity results from the Bounder Prospect and the Copper Hill Prospect in Mineral County, Nevada. Both areas were chosen on the basis of their geologic interest. Rock types that are generally considered to be favourable, and some alteration and mineralization are known in both areas.

The previous induced polarization results showed definite anomalies in both areas. Geologic maps have been prepared in both areas, and some of the anomalies at the Bounder Prospect have been tested by drilling. The induced polarization results to be described in this report are from a recent detailed survey undertaken to better evaluate some of the anomalies previously located and extend the areas surveyed.

Copper Hill Prospect

Line	Electrode Intervals	Dwg. No.
AA	500'	IP 2478-1
B16E	500'	IP 2478-2
B24W	500'	IP 2478-3

Line	Electrode Intervals	Dwg. No.
D	500'	IP 2478-4

Also enclosed with this report are plan maps for the two areas. These maps were prepared for the previous reports, and they have been modified to show the new lines and anomalies also.

Bounder Prospect	1" = 500'	Dwg. Misc. 4070R
Copper Hill Prospect	1" = 500'	Dwg. Misc. 3151R

The definite and possible induced polarization anomalies are indicated by solid and broken bars respectively on these plan maps as well as the data plots. These bars represent the surface projection of the anomalous zones as interpreted from the location of the transmitter and receiver electrodes when the anomalous values were measured.

Since the induced polarization measurement is essentially an averaging process, as are all potential methods, it is frequently difficult to exactly pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the spread length; i. e. when using 500' spreads the position of a narrow sulphide body can only be determined to lie between two stations 500' apart. In order to locate sources at some depth, larger spreads must be used, with a corresponding increase in

the uncertainties of location. Therefore, while the center of the indicated anomaly probably corresponds fairly well with source, the length of the indicated anomaly along the line should not be taken to represent the exact edges of the anomalous material.

3. DISCUSSION OF RESULTS

The Bounder Prospect and the Copper Hill Prospect are two of several areas that have been examined within the Walker River Indian Reservation. Large portions of the Reservation are covered by recent alluvial sediments that have been washed into the valleys; we have found that the very low resistivities in these areas make it difficult to carry out accurate IP measurements. With large electrode intervals (for satisfactory depth of detection) inductive coupling effects can disturb the IP measurements in these low resistivity areas.

In areas where there is no overburden, or where it is very thin, the apparent resistivities have been found to be larger in magnitude. In these regions it is possible to make very accurate IP measurements and the possible effects from inductive coupling can be safely ignored.

b) Copper Hill Prospect

The previous work in this area showed several strong anomalous zones. There are copper mineralization and gossans in the area; the anomalies may be of considerable importance. A limited amount of additional reconnaissance surveying has been done in an attempt to delimit the anomalous area.

Line AA

This line has been surveyed along the eastern edge of the area of interest. A broad zone of weak mineralization, at depth, is indicated in the area 0+00 to 15N.

Line B16E

This line was surveyed northeast of the anomalous zone previously located. The shallow anomalies located at 7+50SE and 22+50SE should be checked with shorter electrode intervals. The anomaly at depth to the east does not appear to extend as far as on Line B6E.

Line B24W

This line has been repeated to complete measurements that could not be made previously in the low resistivity area. The anomaly is very large in magnitude, and quite wide; it is obviously a geologic feature of considerable size. It may be pyrite and/or graphite in a sediment (slate or limestone), or a broad zone of disseminated mineralization (5.0% to 10.0%.)

The source is shallow, measured for n = 1, and it can be better located using shorter electrode intervals. When the location of the source is exactly known, a detailed geologic examination may reveal the cause of the IP effects. If not, a short drill hole may be necessary.

Line D

This line is not shown on the plan map. It is parallel to

Line B24W, and about one mile to the southwest. The same type of strong, broad anomaly located on Line B24W is present on this line. The source is probably the same.

4. CONCLUSIONS AND RECOMMENDATIONS

The further results from the Bounder Prospect and the Copper Hill Prospect have given more information about the anomalies in these areas. Several of the weak anomalies at the Bounder Prospect warrant a small amount of detail so that a decision can be made regarding a possible drill hole.

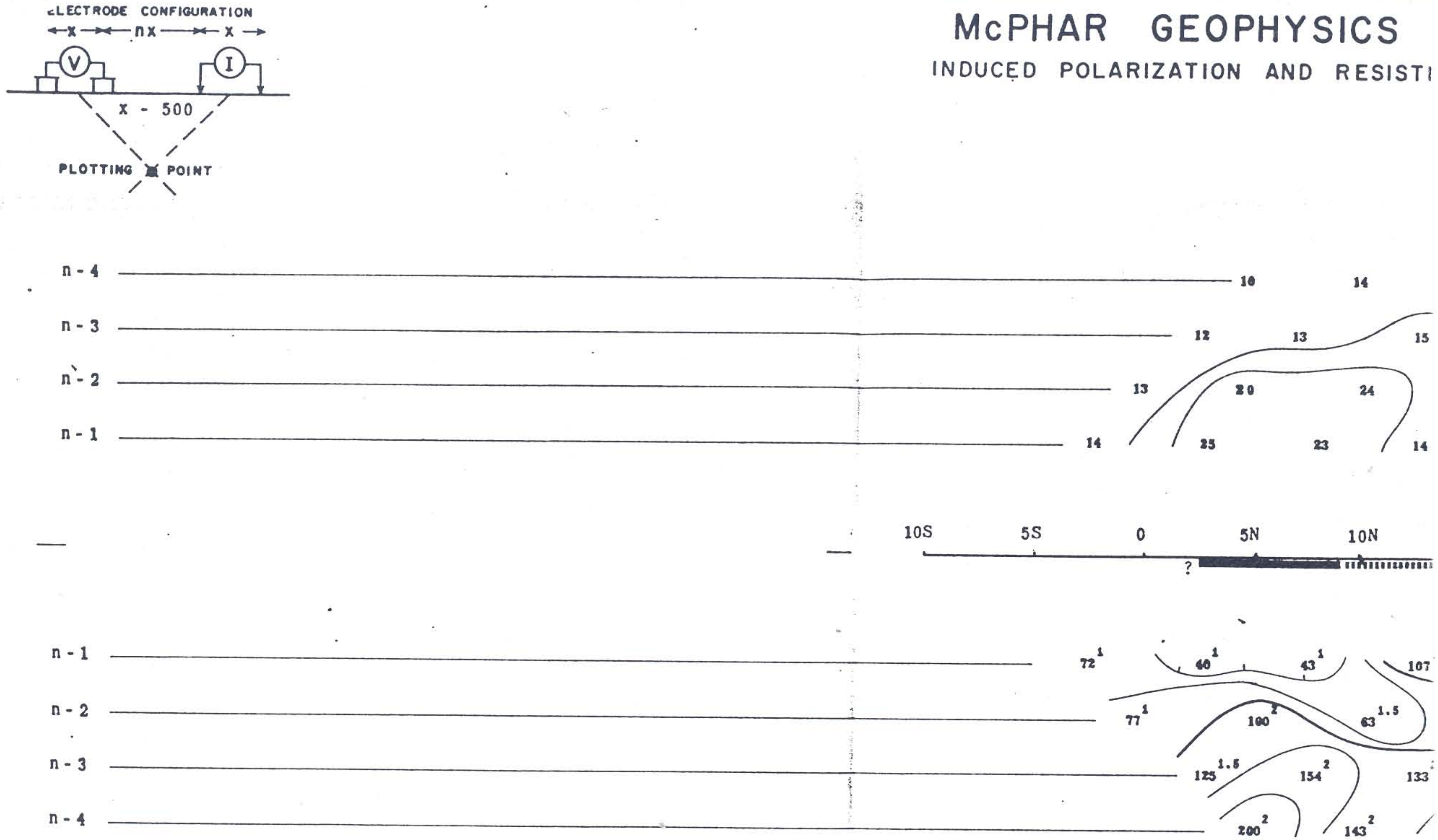
At the Copper Hill Prospect, the detailed measurements, with short electrode intervals, previously recommended in the center of the area, should be completed so that drill holes can be spotted to test these anomalies. At the same time, the source of the broad, strong anomaly to the southwest should also be determined.

McPHAR GEOPHYSICS LIMITED

Philip G. Hallof,
Geophysicist.

Dated: July 28, 1966

6000 0139 (0760)



McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTI

SURFACE PROJECTION
OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

WALKER-MARTEL MINING

COPPER HILL PROSPECT, MINERAL CTY.

Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

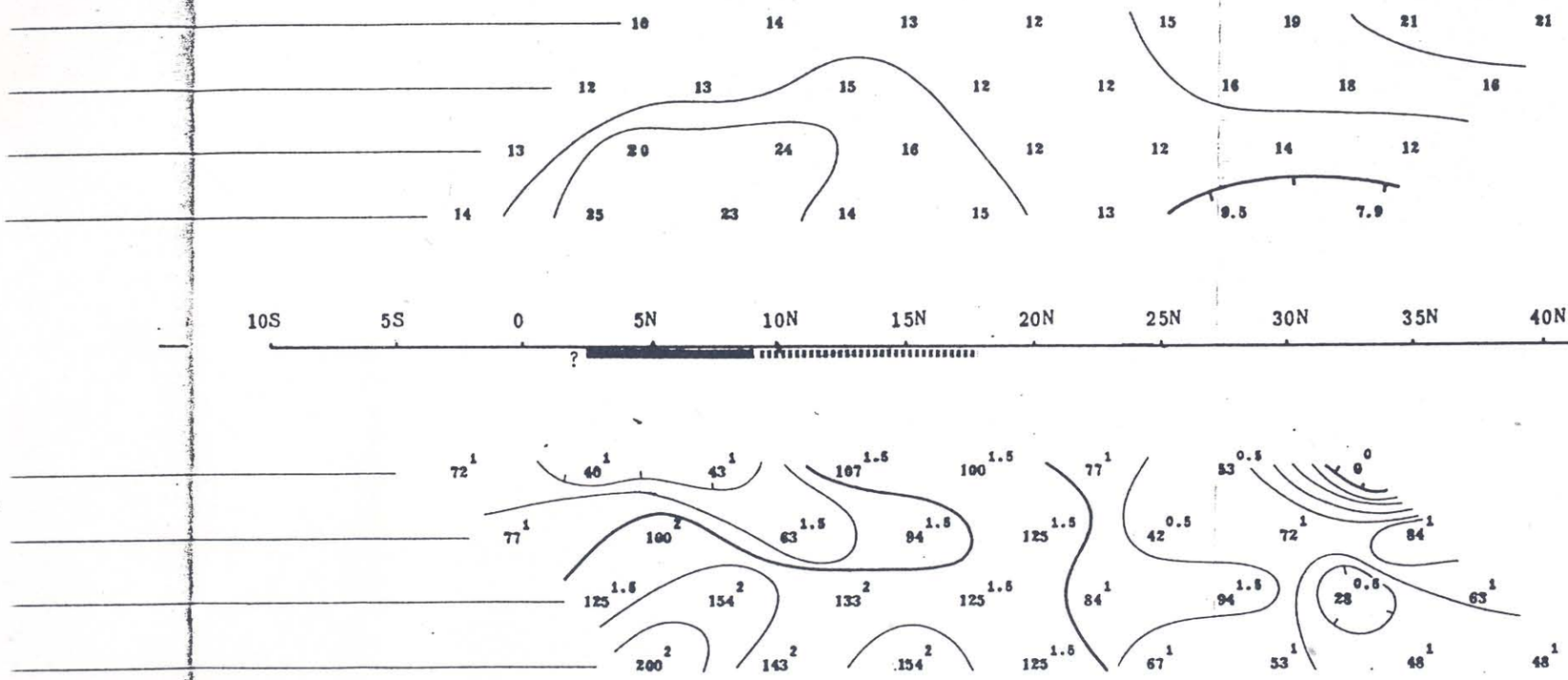
60000 0139 (0760)

DWG. NO - 2478-1

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JUNE, 1966

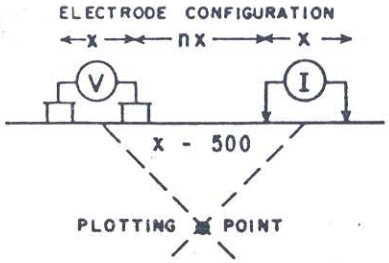
APPROVED PJ

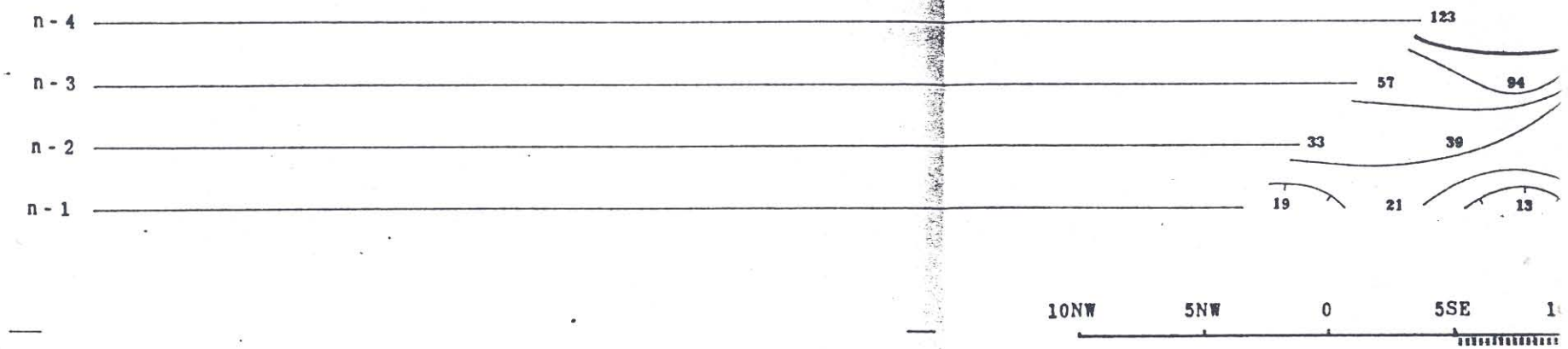
DATE 7/27/66

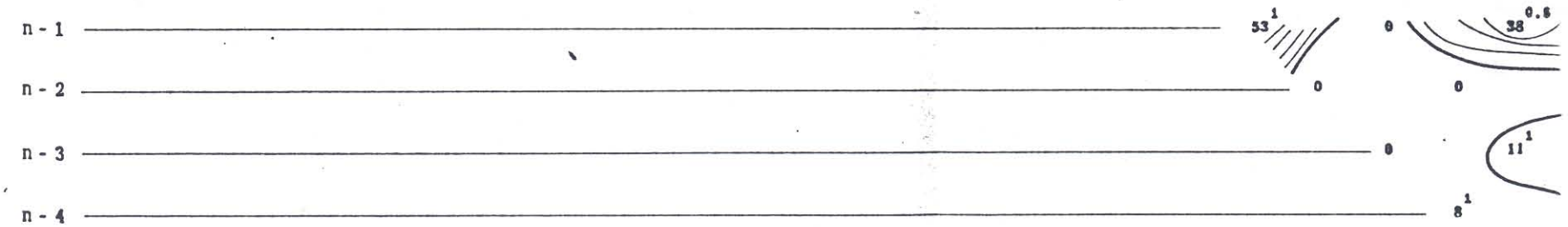
6000 0139 (0760)

McPHAR GEO. HYSICS

INDUCED POLARIZATION AND RESIS







SURFACE PROJECTION
OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MININ

COPPER HILL PROSPECT, MINERAL C

Scale—One inch= 500 Fe

NOTE LOGARITHMIC CONTOUR INTER

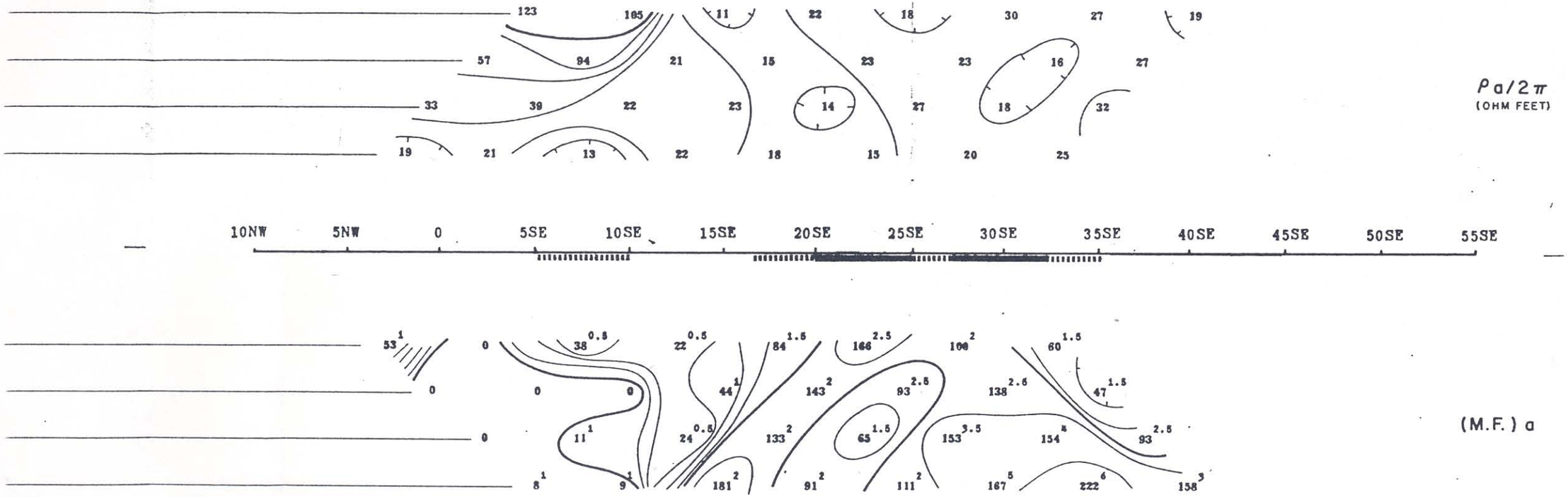
6000 0139 (0760)

DWG. NO -2478-2

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JUNE, 1966

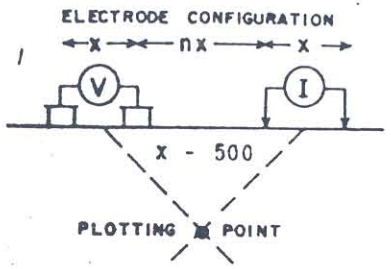
APPROVED

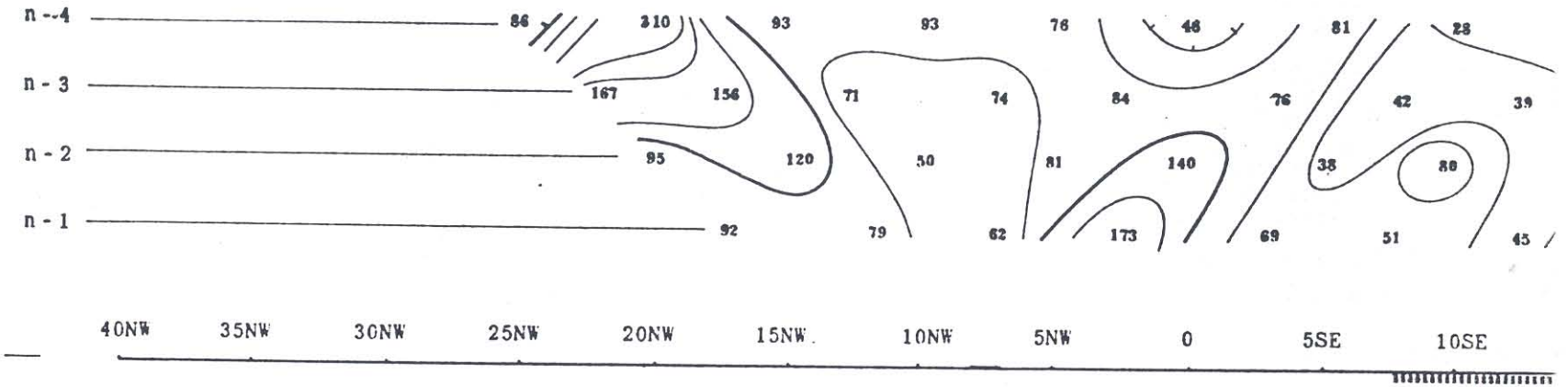
DATE 7/27/66

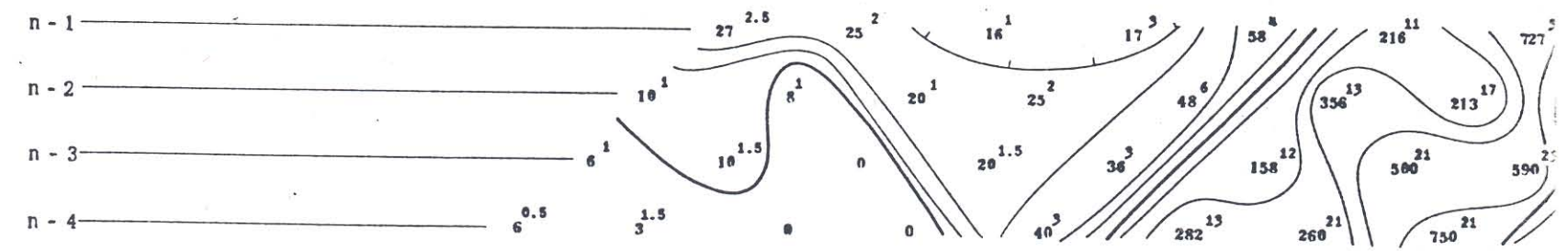
6000 0139 (0760)

McPHAR GEOPHY

INDUCED POLARIZATION AN







SURFACE PROJECTION
OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE ▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪

POSSIBLE / / / / / / / / /

WALKER-MARTEL M

COPPER HILL PROSPECT, MINE

Scale—One inch=

NOTE LOGARITHMIC CON

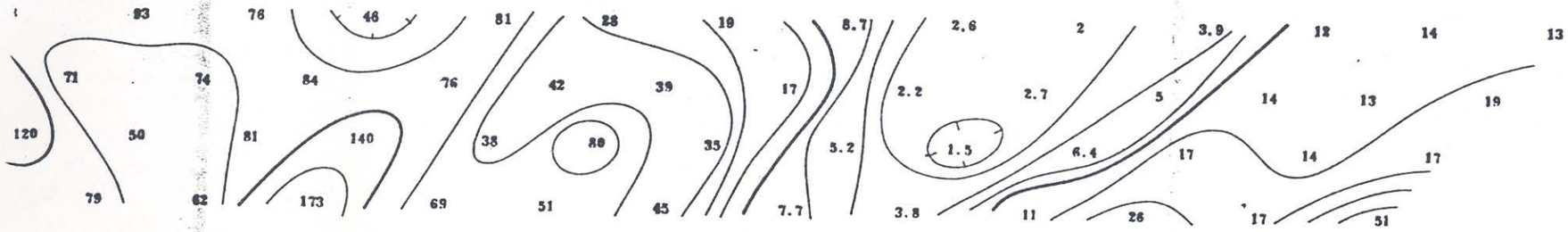
6000 0139 (0760)

DWG. I.P.- 2478-3

McPHAR GEOPHYSICS LIMITED

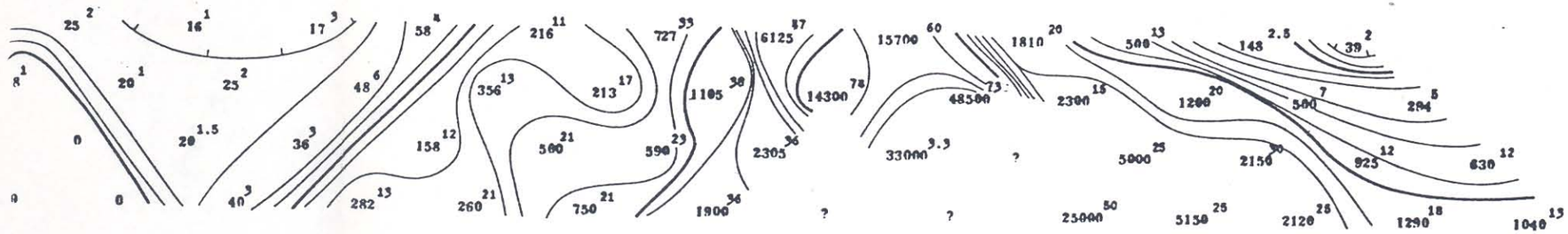
INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)

NW. 10NW 5NW 0 5SE 10SE 15SE 20SE 25SE 30SE 35SE 40SE 45SE 50SE 55SE 60SE 65SE



(M.F.) a

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JUNE, 1966

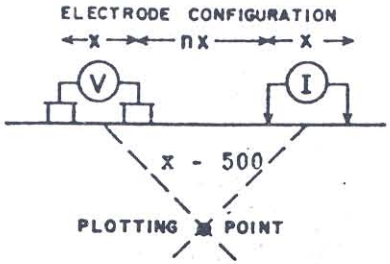
APPROVED A

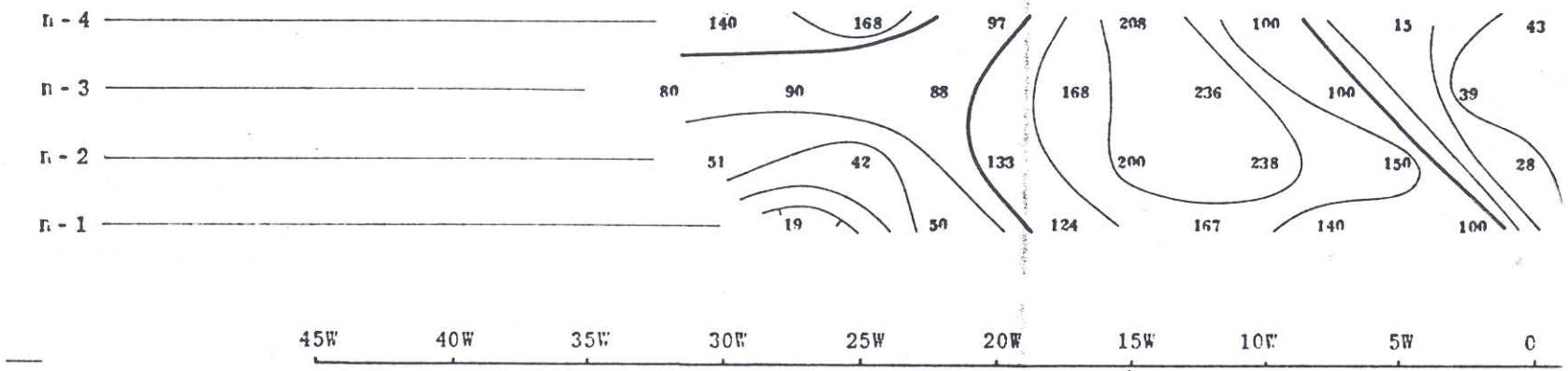
DATE 7/27/66

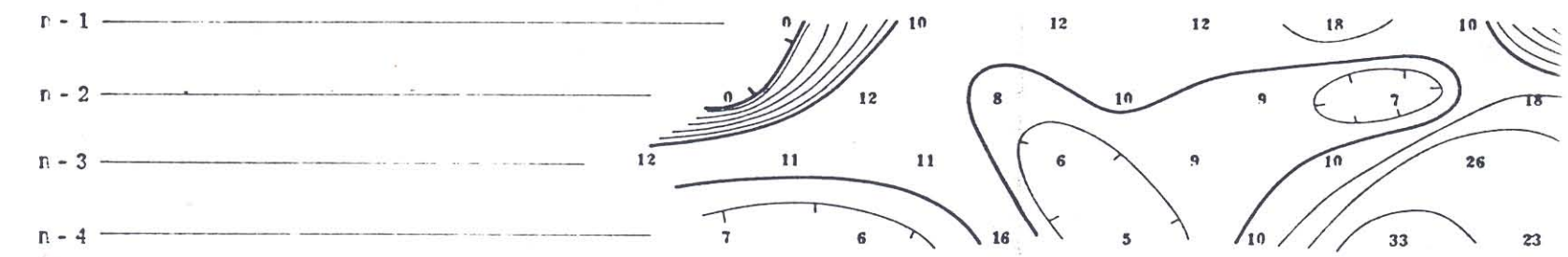
60000 0139 (0760)

McPHAR GEOPH

INDUCED POLARIZATION AN







SURFACE PROJECTION
OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE ··········

POSSIBLE / / / / / / / /

WALKER-MARTEL

COPPER HILL PROSPECT, MI

Scale—One inch

NOTE LOGARITHMIC C

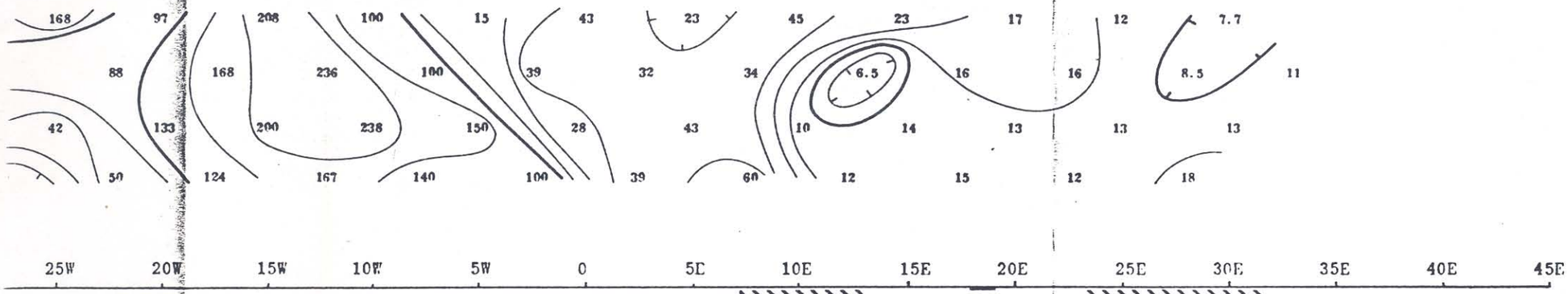
6000 0139 (0760)

DWG. NO [illegible]-2391-1

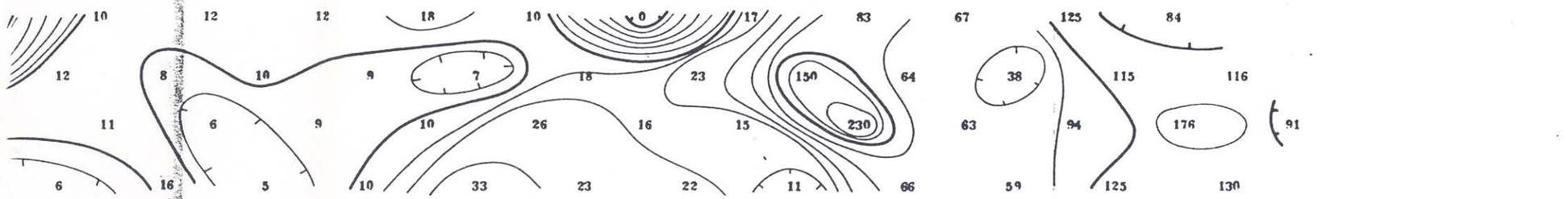
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)



(M.F.) a

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 500 Feet

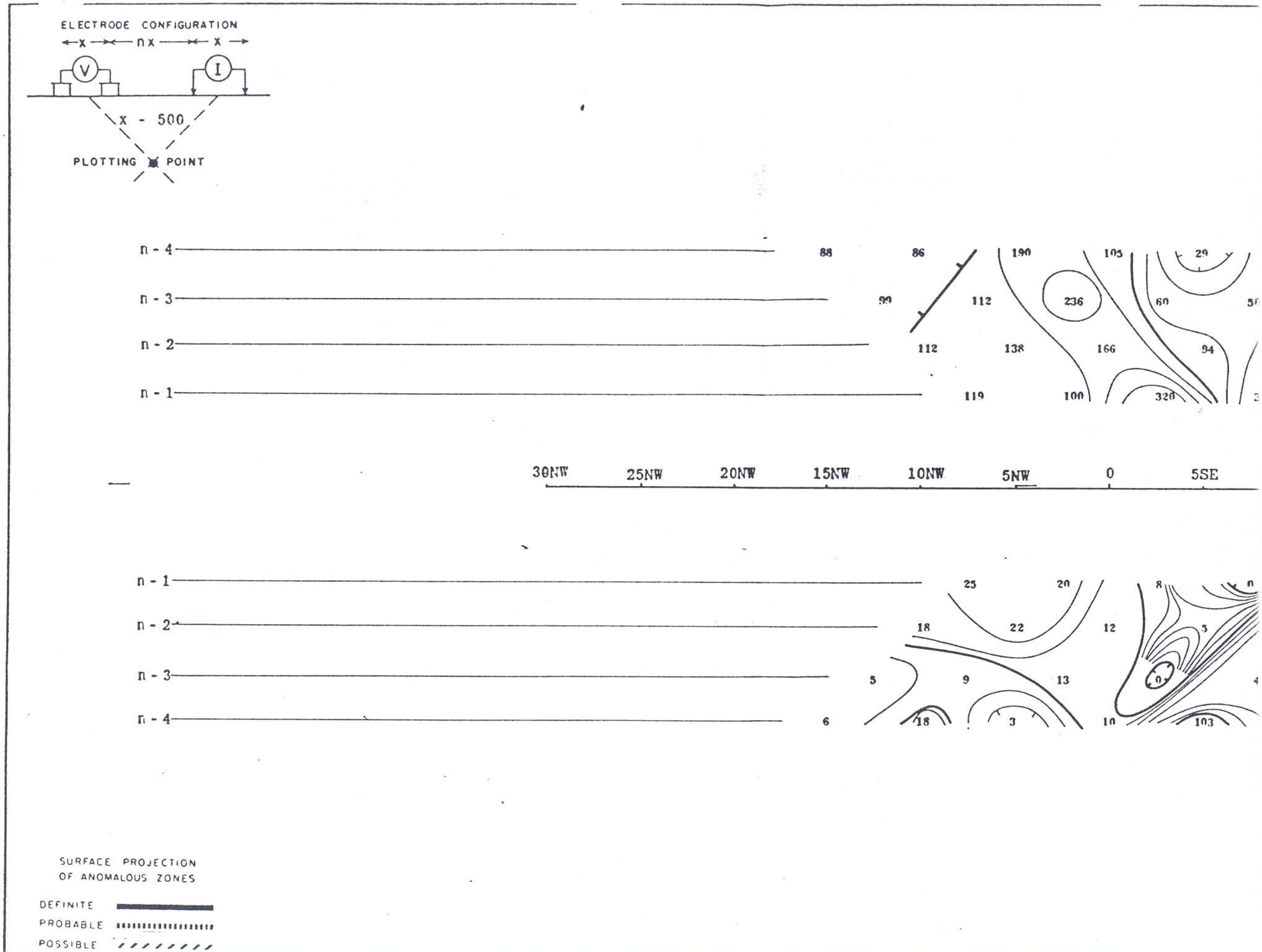
NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JAN 1966

APPROVED J.M.B.

DATE Feb. 22/66

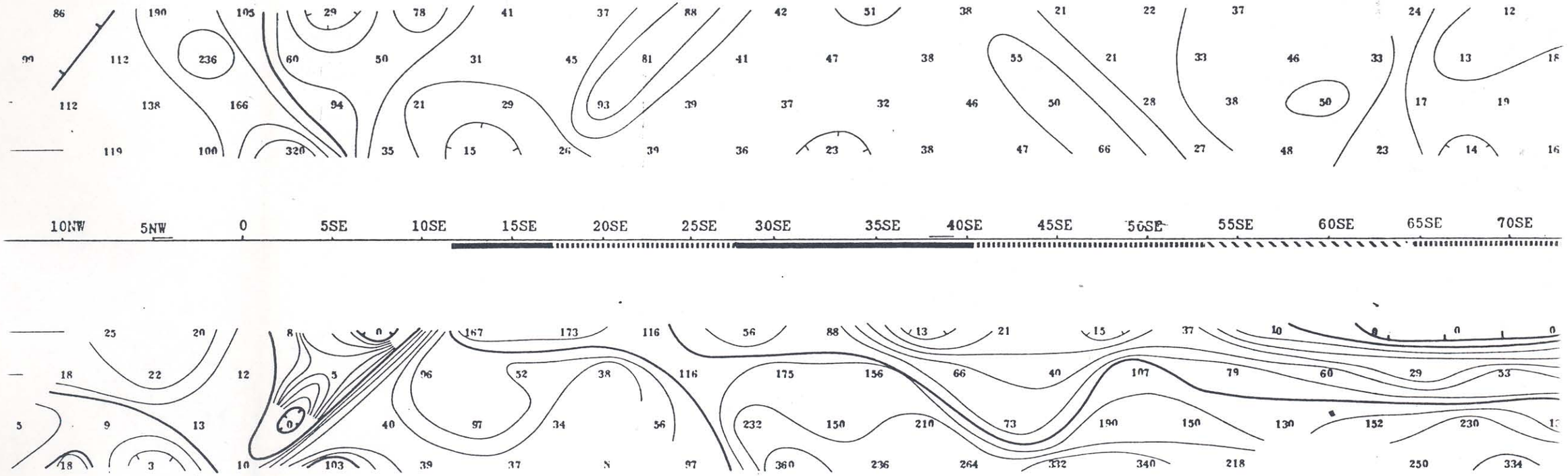


ELECTRODE CONFIGURATION
x
nx
x
V
I
x - 500
PLOTTING POINT
n - 4
n - 3
n - 2
n - 1
88
86
190
105
29
90
112
236
60
112
138
166
94
119
100
320
30NW
25NW
20NW
15NW
10NW
5NW
0
5SE
n - 1
n - 2
n - 3
n - 4
25
20
8
18
22
12
5
5
9
13
6
18
3
10
103
SURFACE PROJECTION
OF ANOMALOUS ZONES
DEFINITE
PROBABLE
POSSIBLE

6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

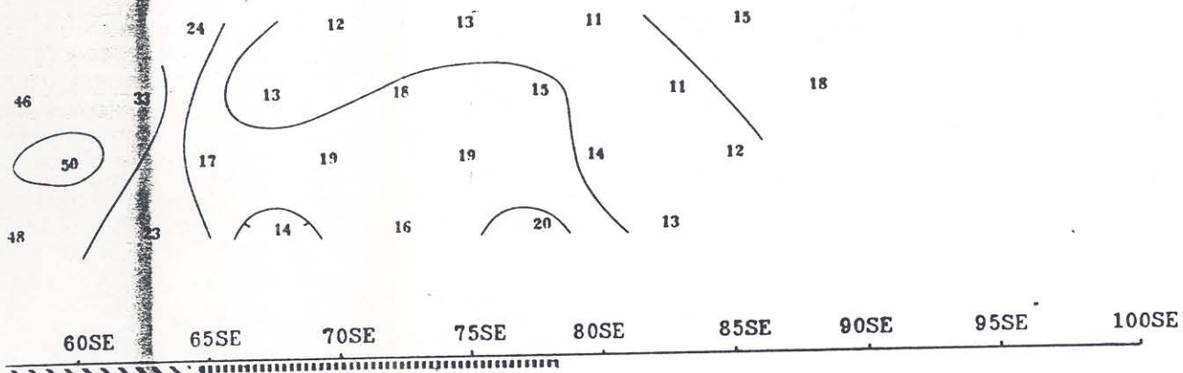
Scale—One inch = 500 Feet

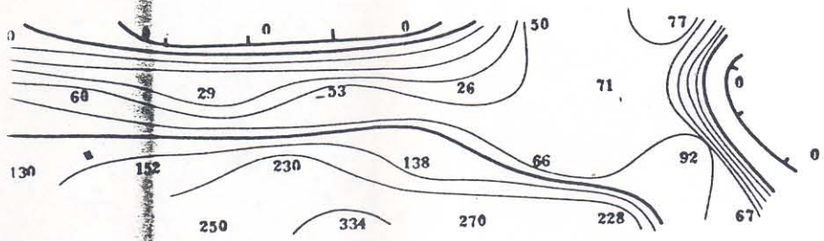
NOTE LOGARITHMIC CONTOUR INTERVAL

6000 0139 (0760)

DWG. NO.—I.P.—2 2

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





$\rho a/2\pi$
(OHM FEET)

(M.F.) a

LINE NO.—"C"

FREQUENCY 0·05 – 1·25 CPS

DATE SURVEYED JAN. 1966

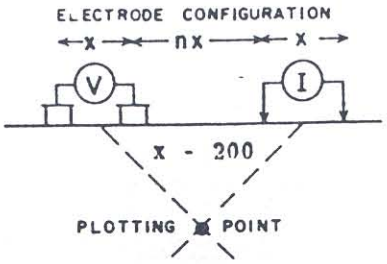
APPROVED J.A.R.

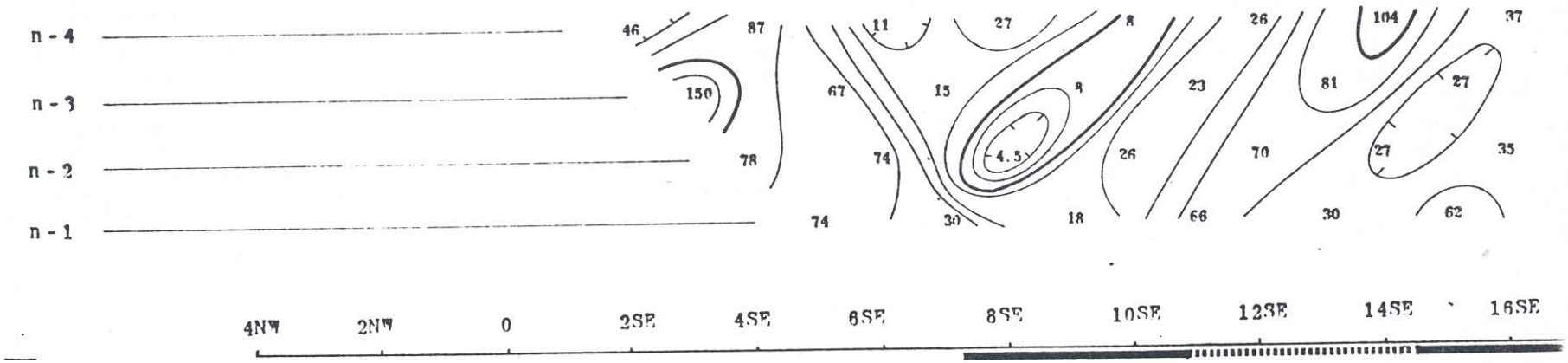
DATE Feb. 22/66

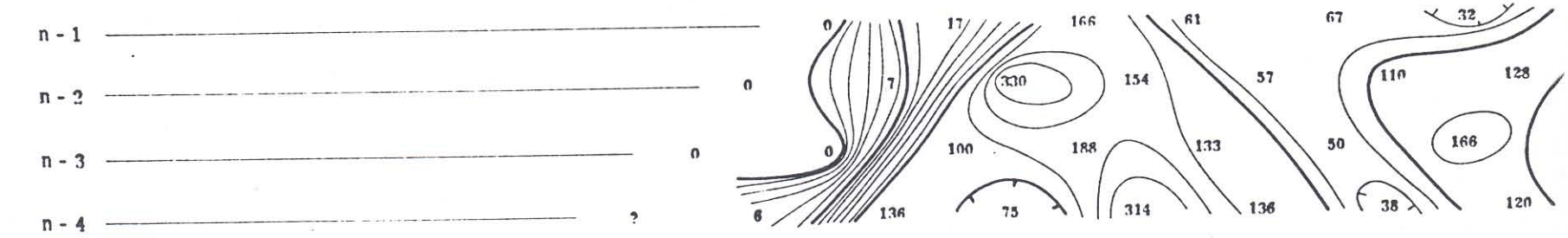
6000 0139 (0760)

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESIS







WALKER-MARTEL MININ

COPPER HILL PROSPECT, MINERAL

Scale—One inch = 200F

NOTE LOGARITHMI CONTOUR INT

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

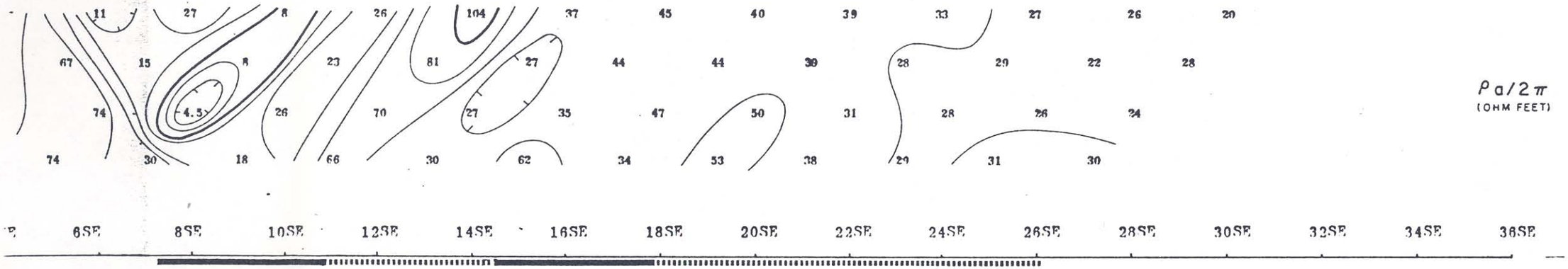
6000 0139 (0760)

DWG. NO. 2391-3

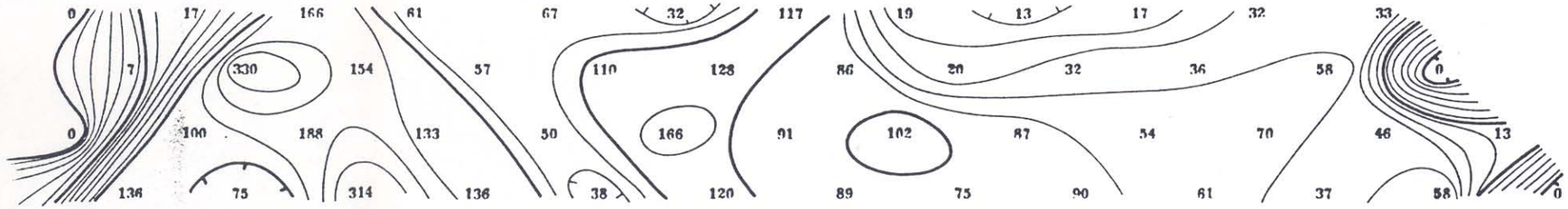
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)



(M.F.) a

LINE NO—R6E

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JAN 1966

APPROVED J. M. M.

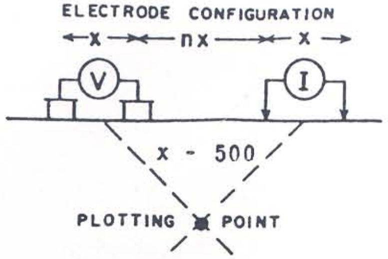
DATE Feb. 22/66

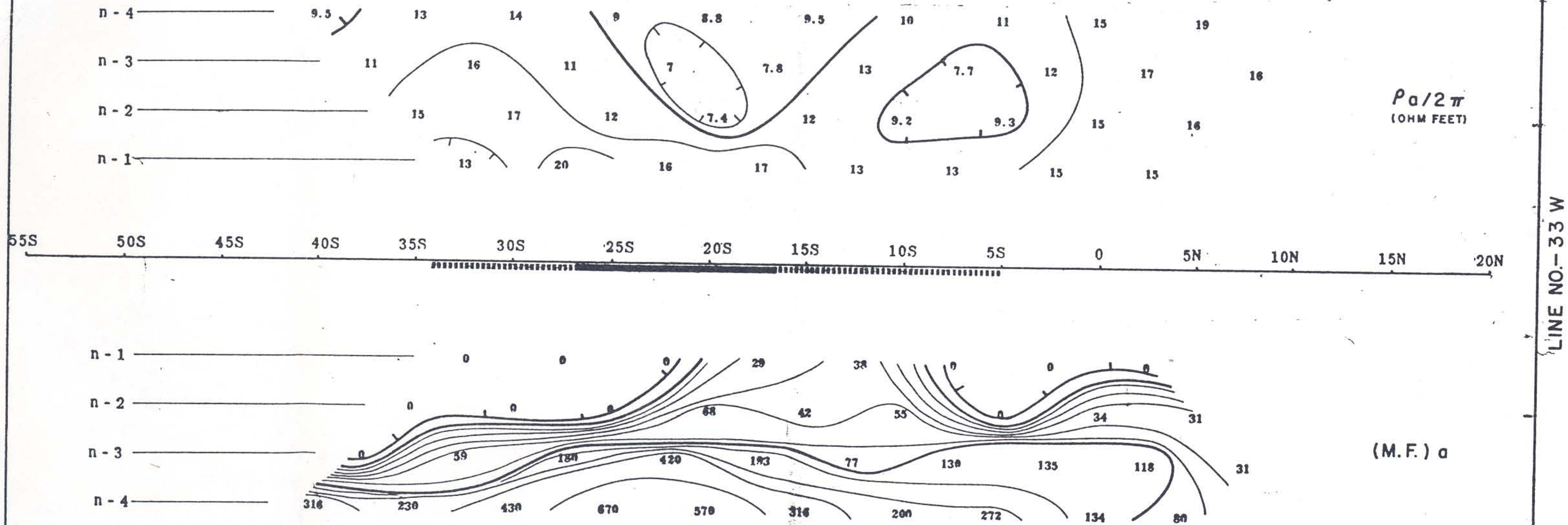
DWG. NO.-I.P.-2394-9

McPHAR GEOPHYSICS LIM ED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





WALKER-MARTEL MINING COMPANY

AFTERTHOUGHT PROSPECT, MINERAL CTY., NEVADA - U.S.A.

Scale - One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

FREQUENCY 0.05 - 1.25 CPS

DATE SURVEYED JAN. 1966

APPROVED RAB

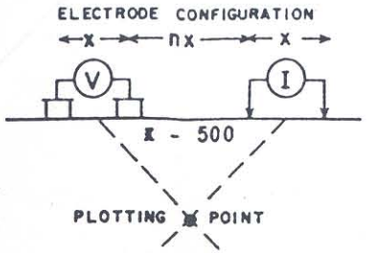
DATE 25/2/66

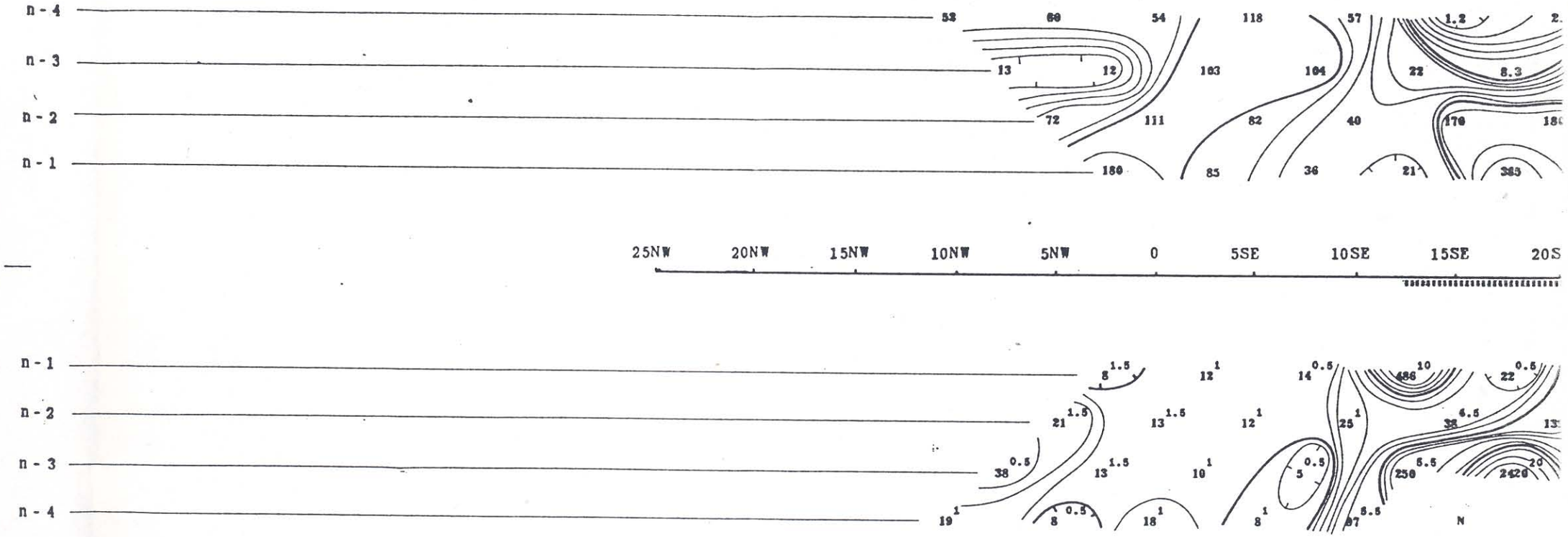
6000 0139 (0760)

6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

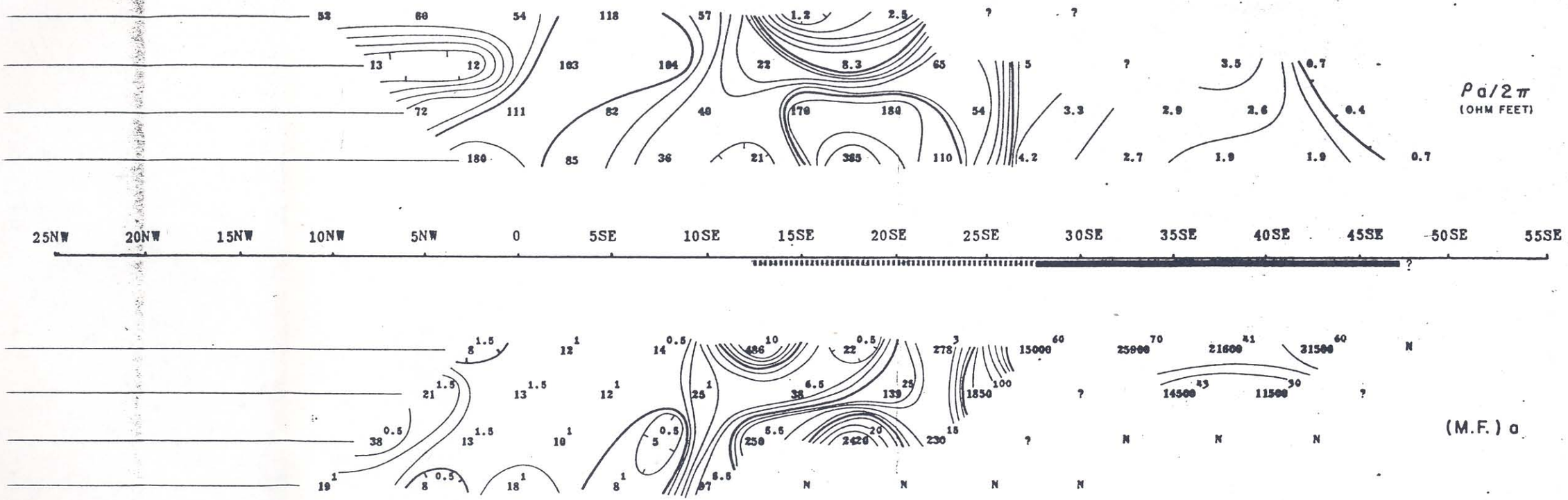
6000 0139 (0760)

DWG. NO. 2478-4

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



LINE NO- D

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JUNE, 1966

APPROVED

DATE 7/27/66

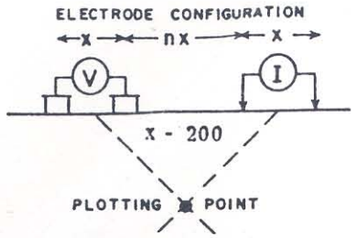
DWG. NO.-I.P.-2391-5

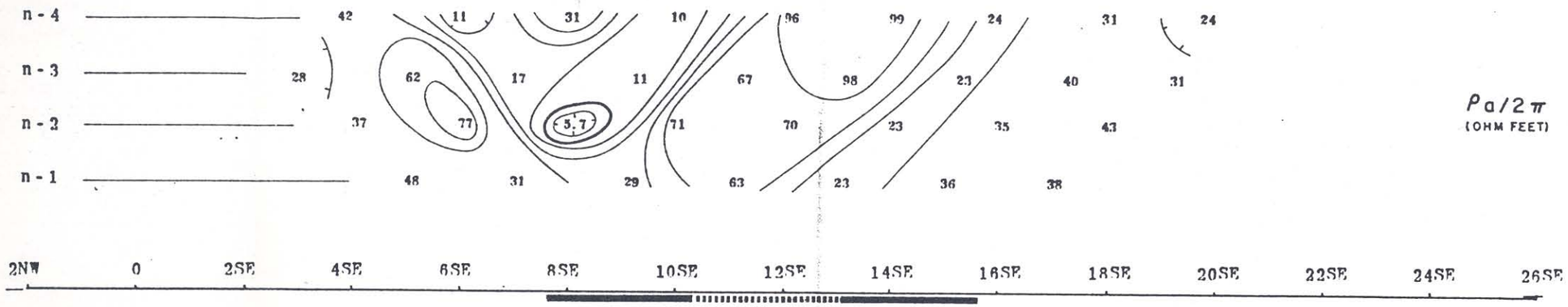
6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

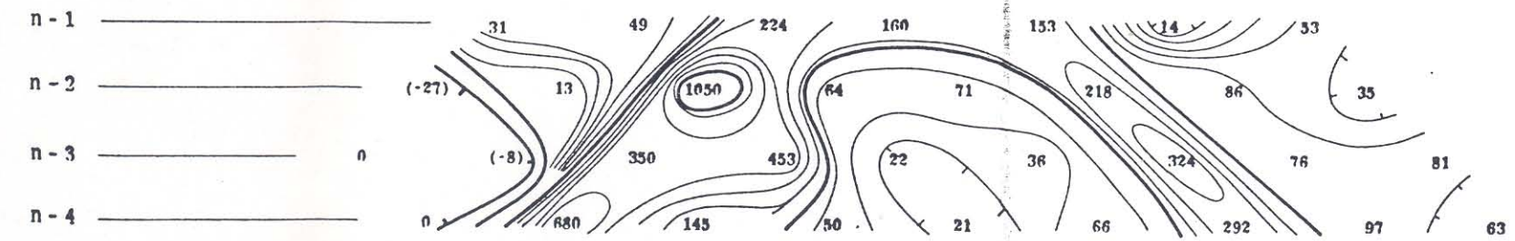
INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





Pa/2π
(OHM FEET)



(M.F.) a

LINE NO.- B2 E

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE ▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪

POSSIBLE / / / / / / / / /

FREQUENCY 0.05 - 1.25 CPS

DATE SURVEYED JAN. 1966

APPROVED J. M. R.

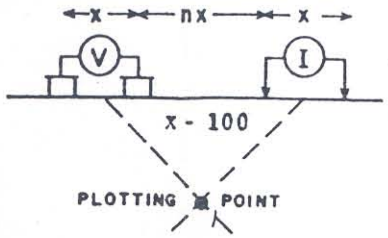
DATE Feb. 22/66

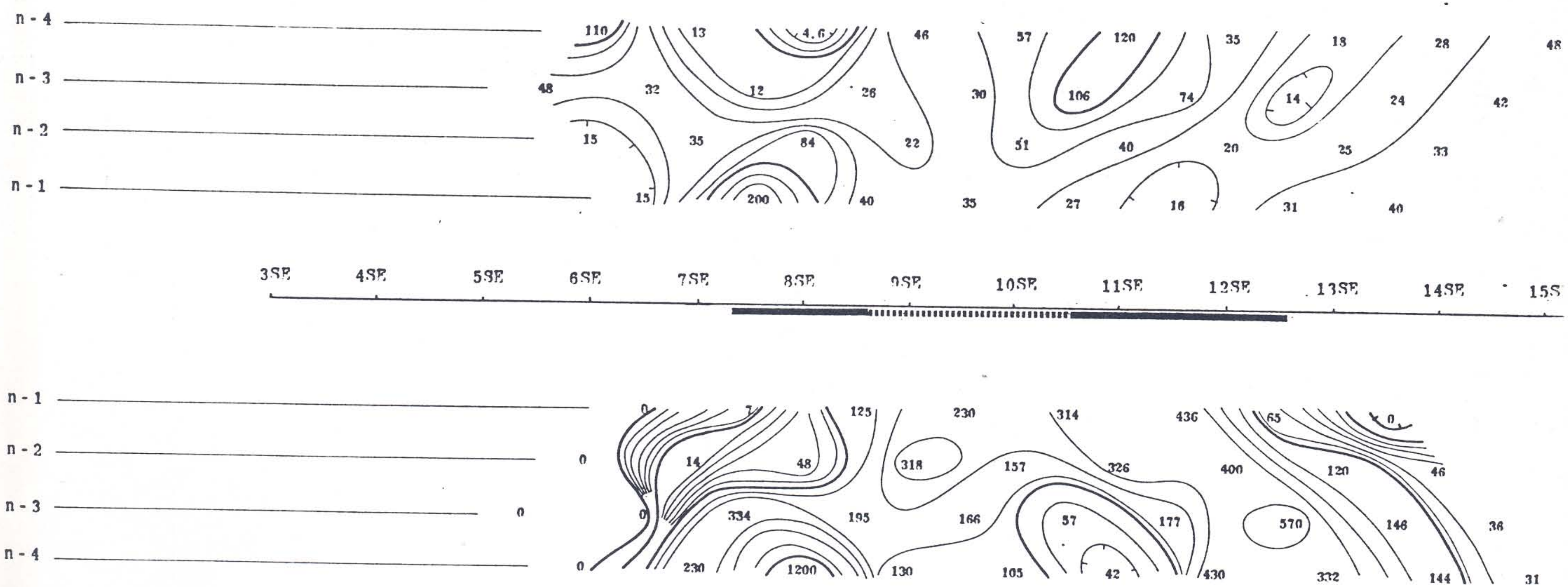
6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

ELECTRODE CONFIGURATION





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

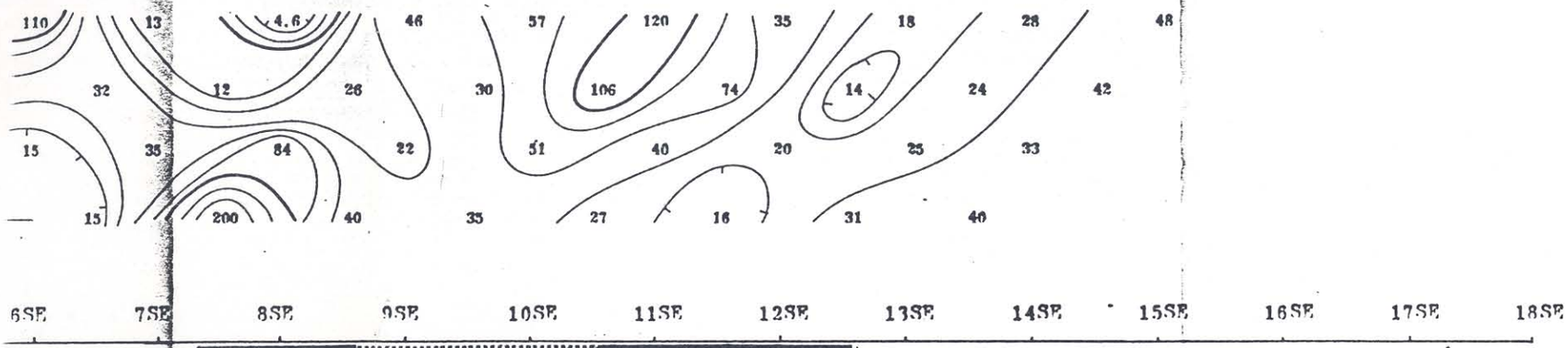
6000 0139 (0760)

DWG. NO.- 2391-6

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

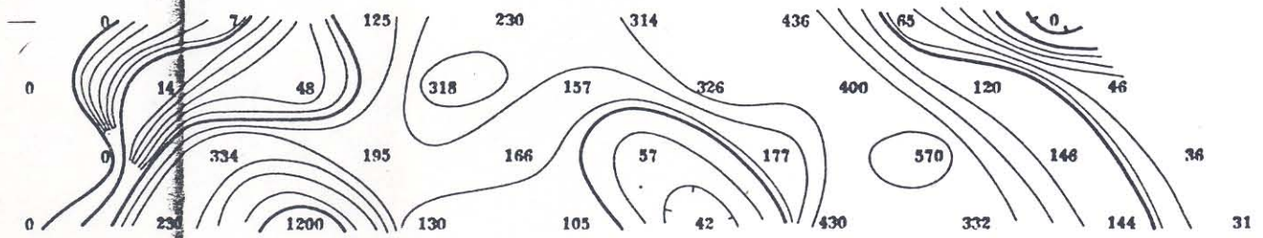
NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)

6SE 7SE 8SE 9SE 10SE 11SE 12SE 13SE 14SE 15SE 16SE 17SE 18SE

LINE NO.- B2 E



(M.F.) a

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JAN 1966

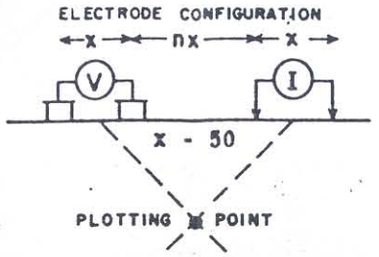
APPROVED J. M. R.

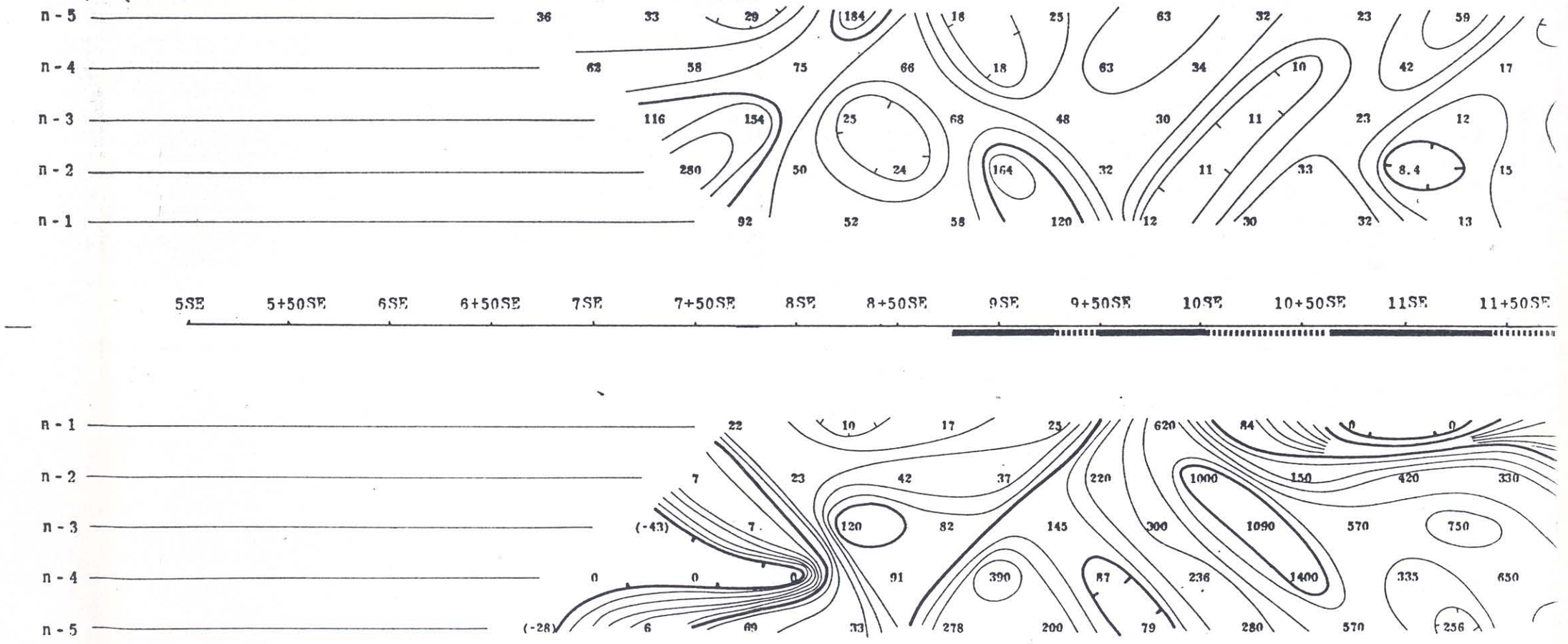
DATE Feb. 22/66

6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 50 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

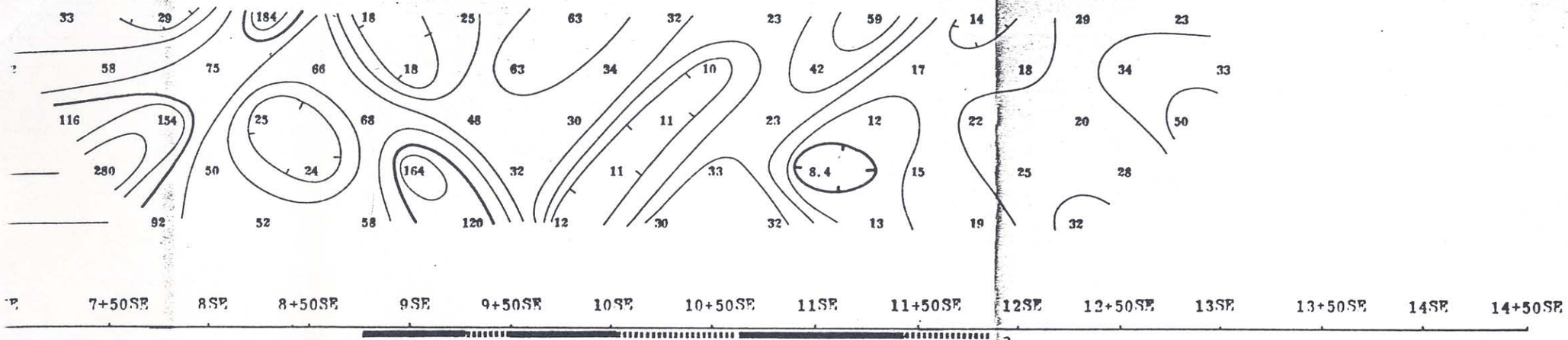
60000 0139 (0760)

DWG. NO. :- 2391-1

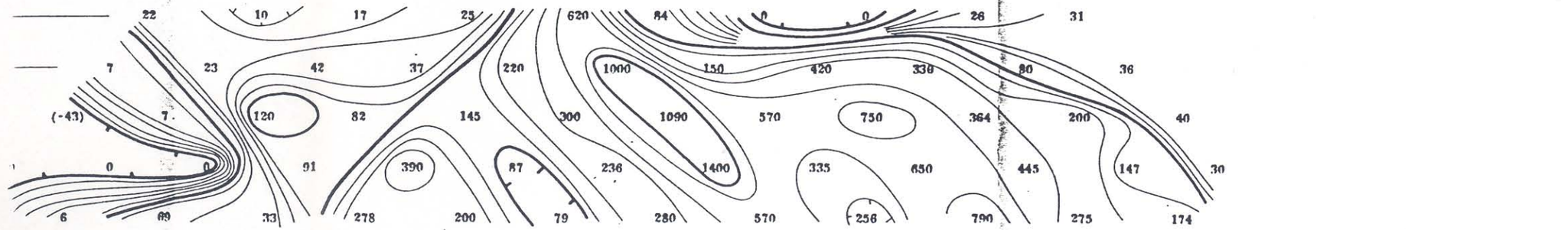
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)



(M.F.) a

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 50 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

DATE SURVEYED JAN 1966

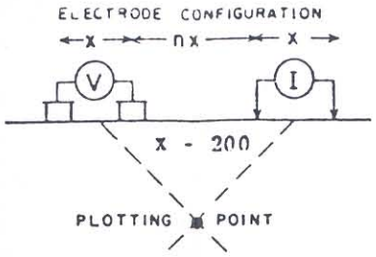
APPROVED J.M.R.

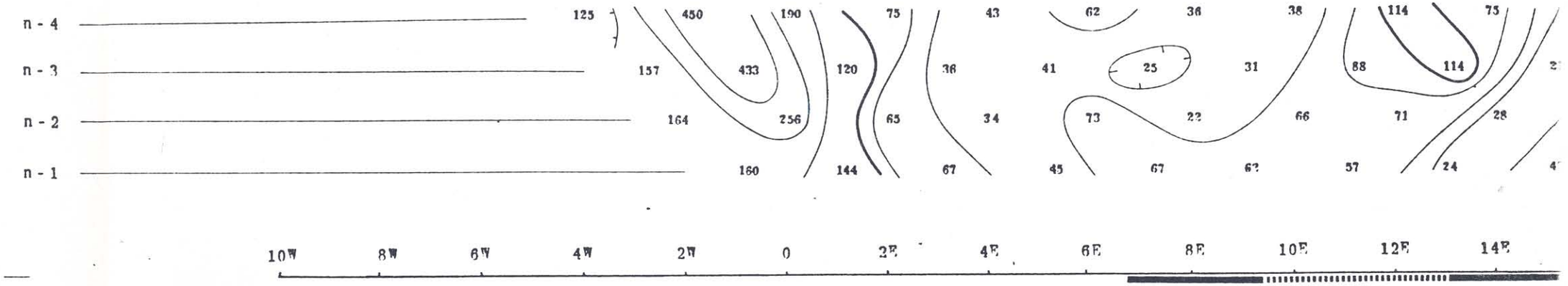
DATE Feb. 22/66

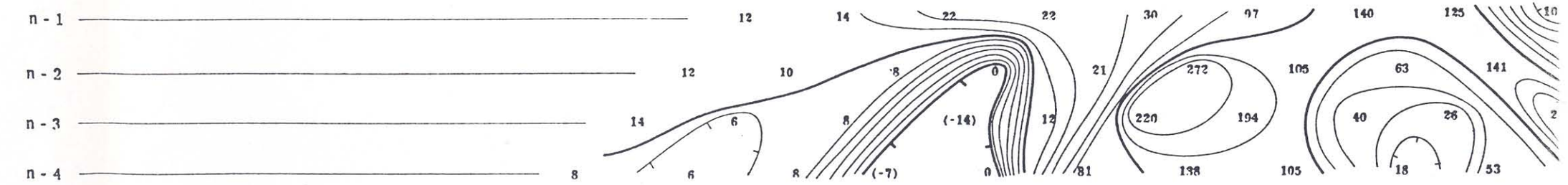
6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY







SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

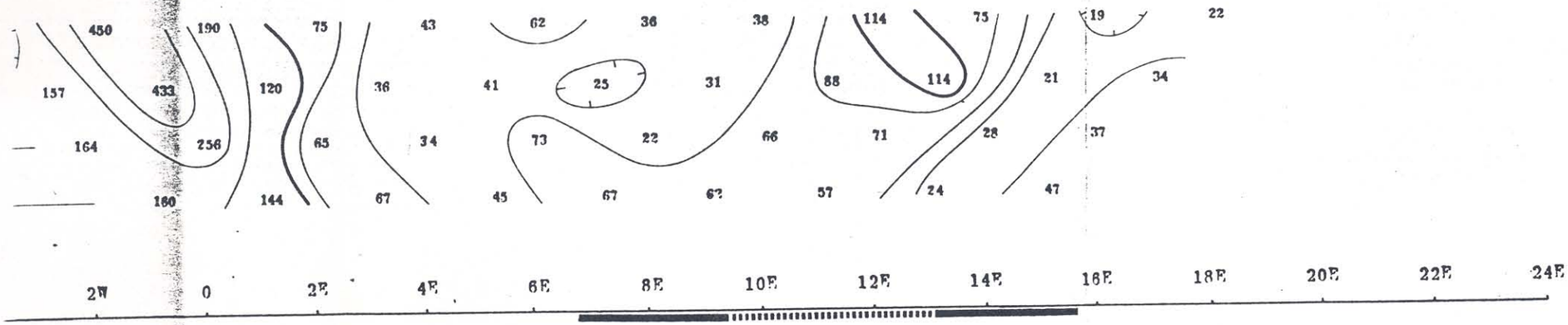
60000 0139 (0760)

DWG. NO. 2391-8

McPHAR GEOPHYSICS LIMITED

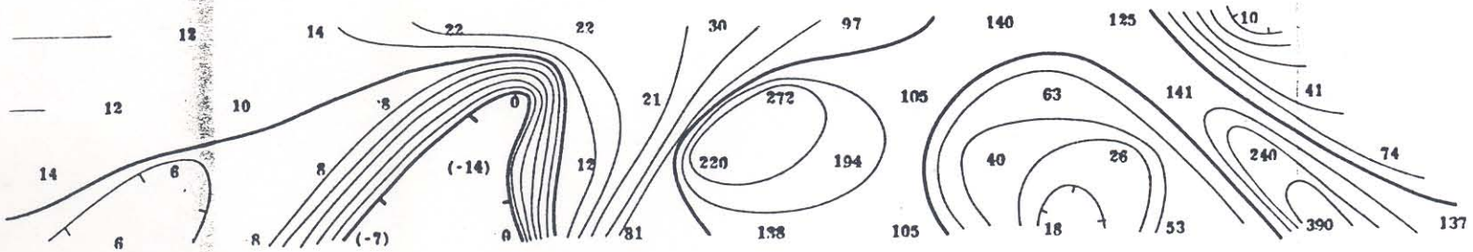
INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)

LINE NO. "R"



(M.F.) a

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1-25 CPS

DATE SURVEYED JAN 1966

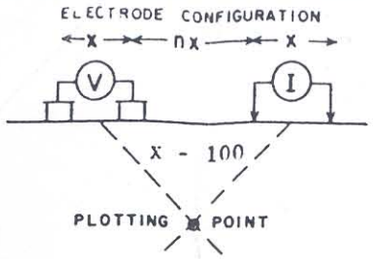
APPROVED J. M. B.

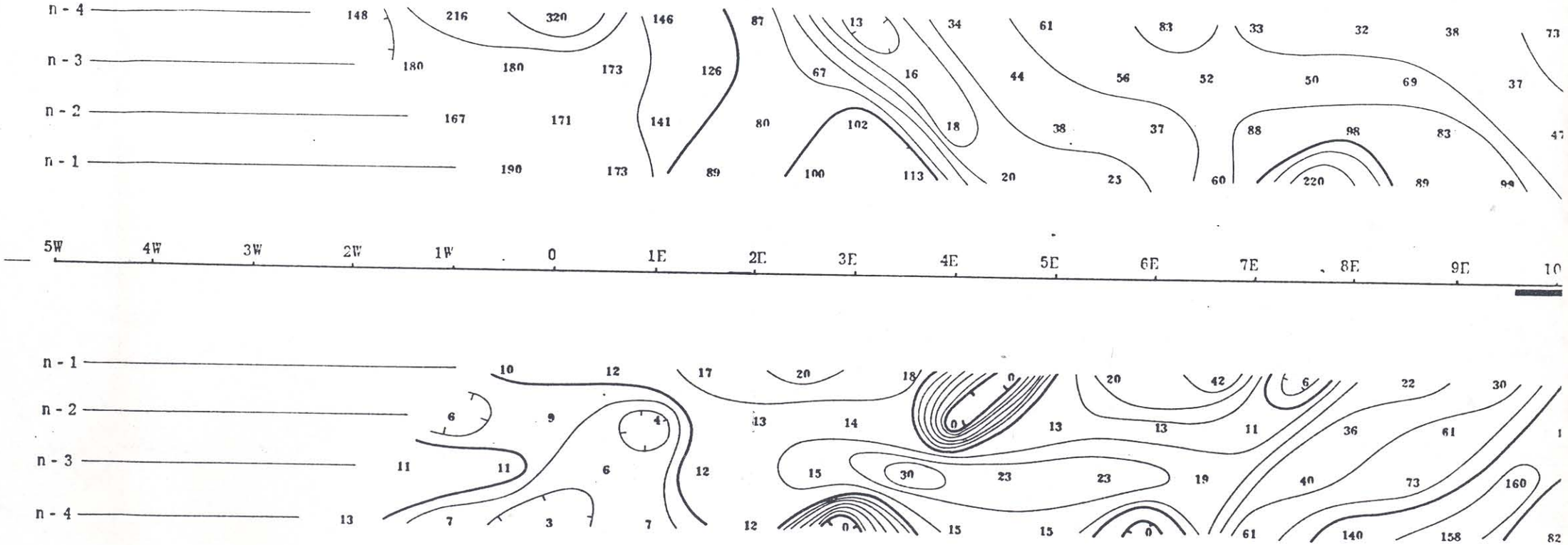
DATE Feb. 22/66

6000 0139 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

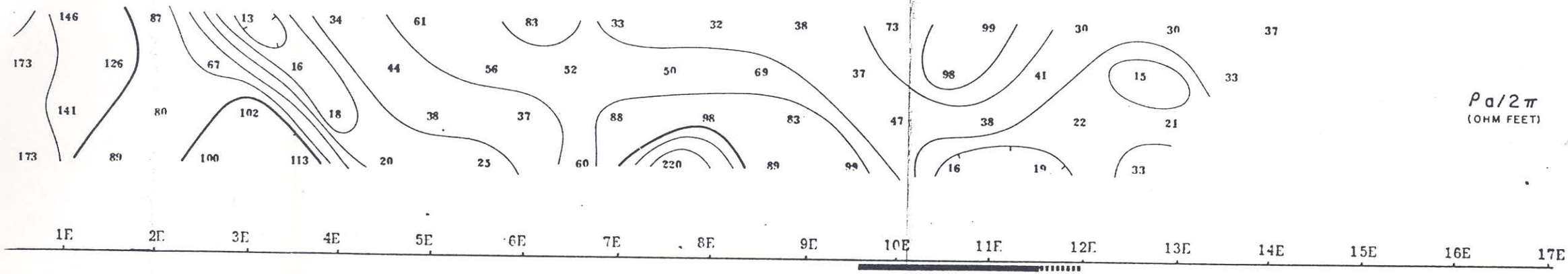
60000 0139 (0760)

DWG. NO. -2391-9

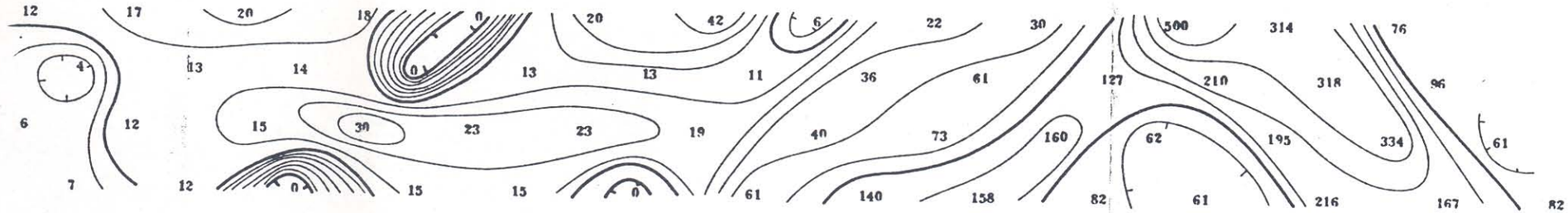
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



$\rho a/2\pi$
(OHM FEET)



(M.F.) a

LINE NO. "B"

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 C P S

DATE SURVEYED JAN 1966

APPROVED J.M.B.

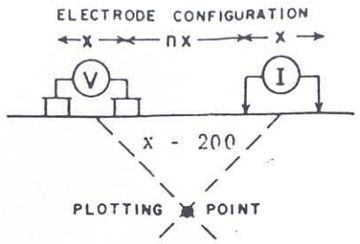
DATE Feb. 28/66

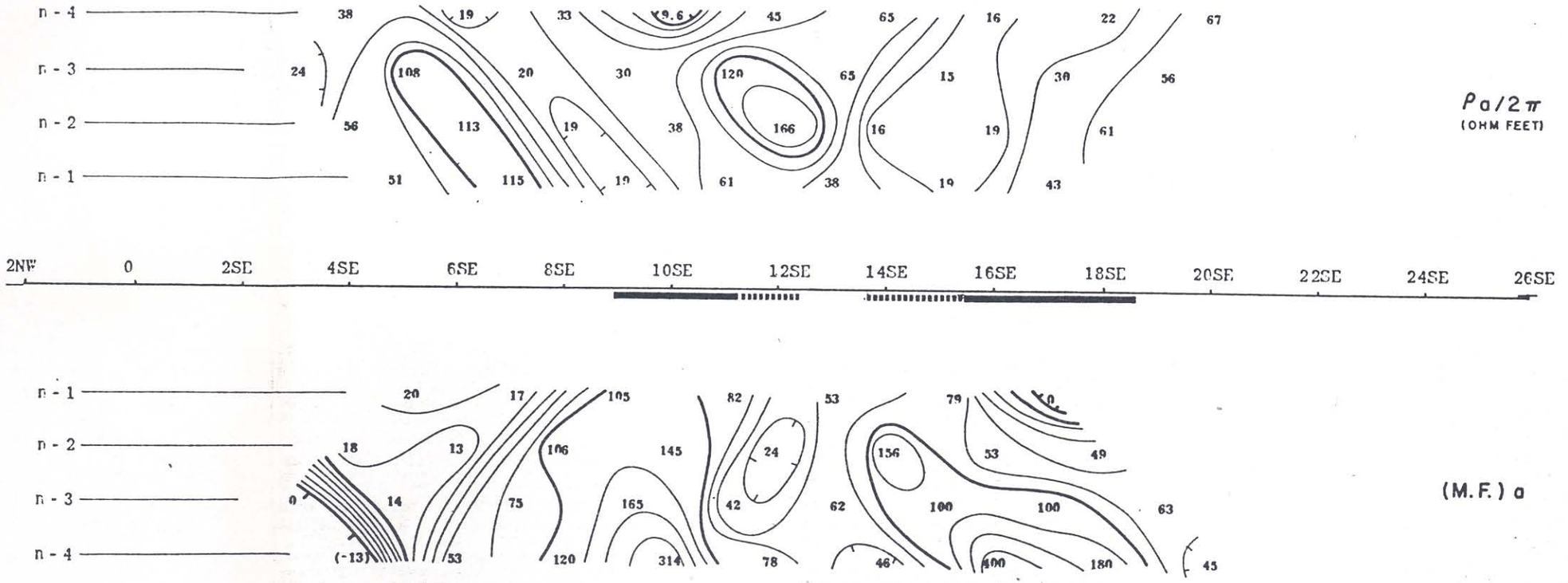
DWG. NO.-I.P.-2391-10

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





LINE NO.- B2 W

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

FREQUENCY 0·05 - 1·25 CPS

DATE SURVEYED JAN. 1966

APPROVED J.M.B.

DATE Feb. 22/66

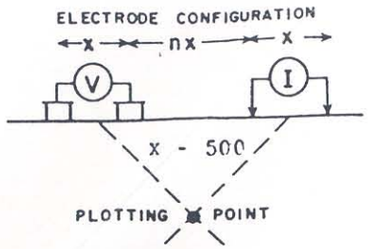
6000 0139 (0760)

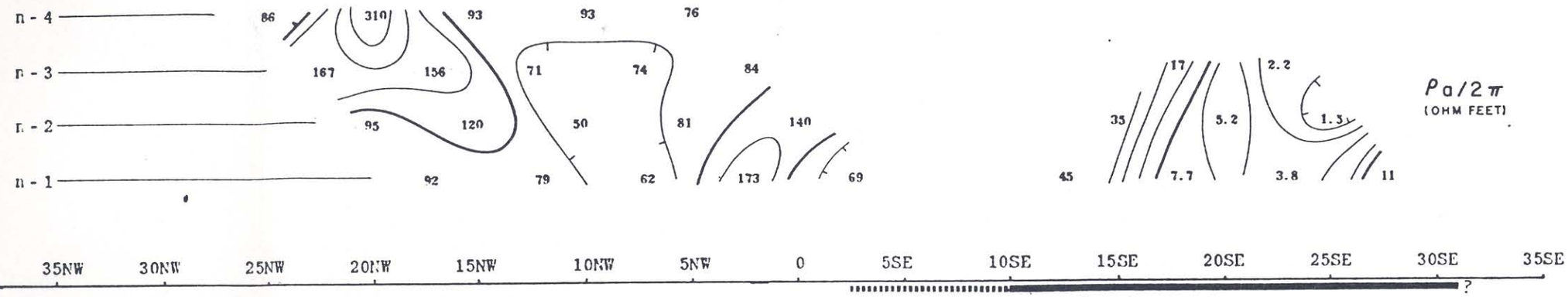
DWG. NO.-I.P.-2391-11

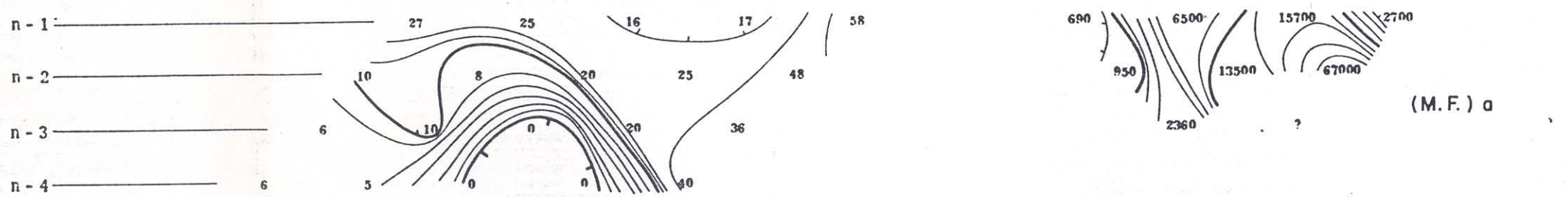
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100







LINE NO.- B 24 W

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

FREQUENCY 0.05 - 1.25 CPS

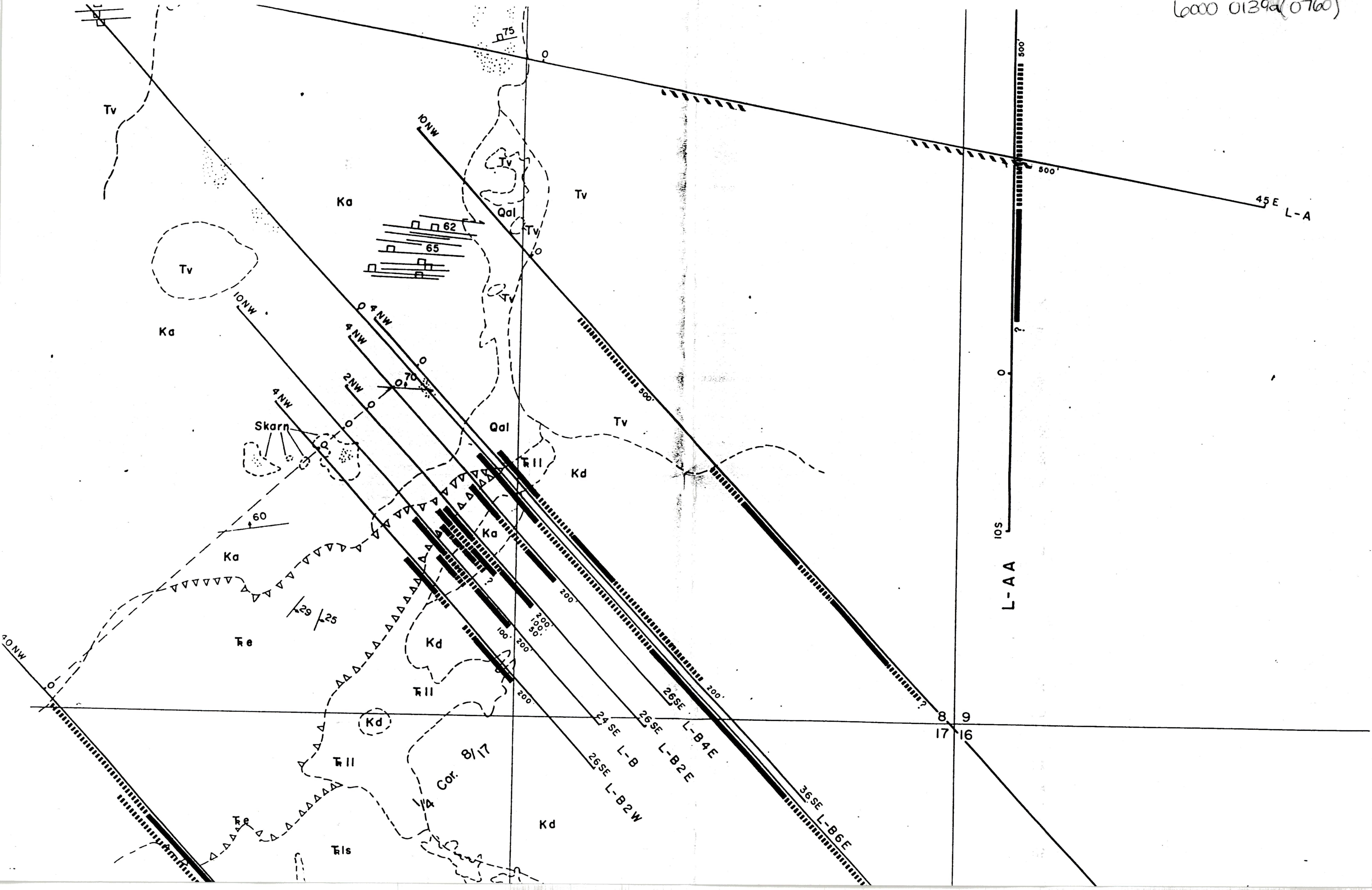
DATE SURVEYED JAN. 1966

APPROVED J.M.B.

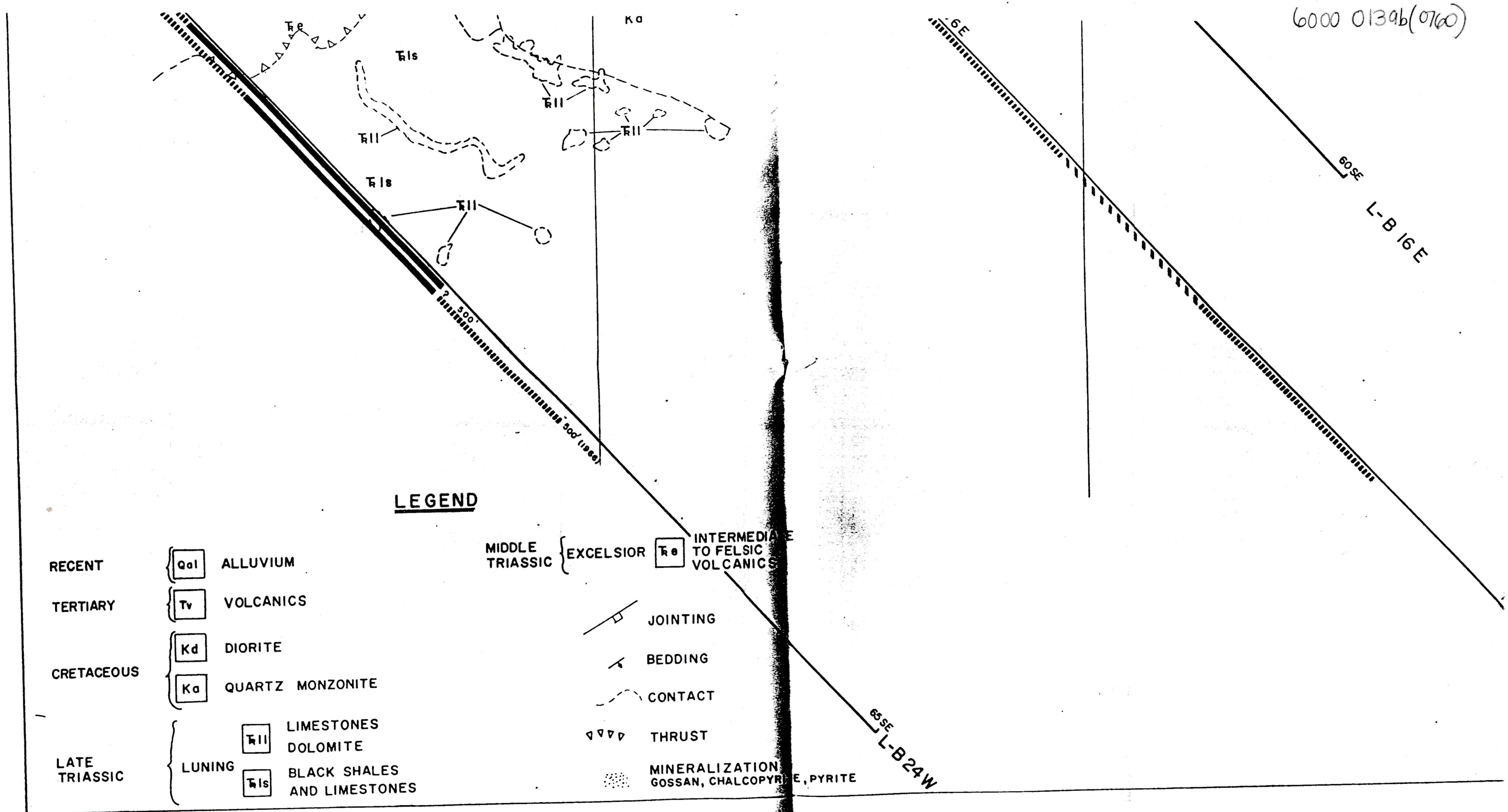
DATE Feb. 22/66

6000 0139 (0760)

6000 0139a(0760)



6000 0139b(0760)



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ▬▬▬

WALKER-MARTEL MINING COMPANY

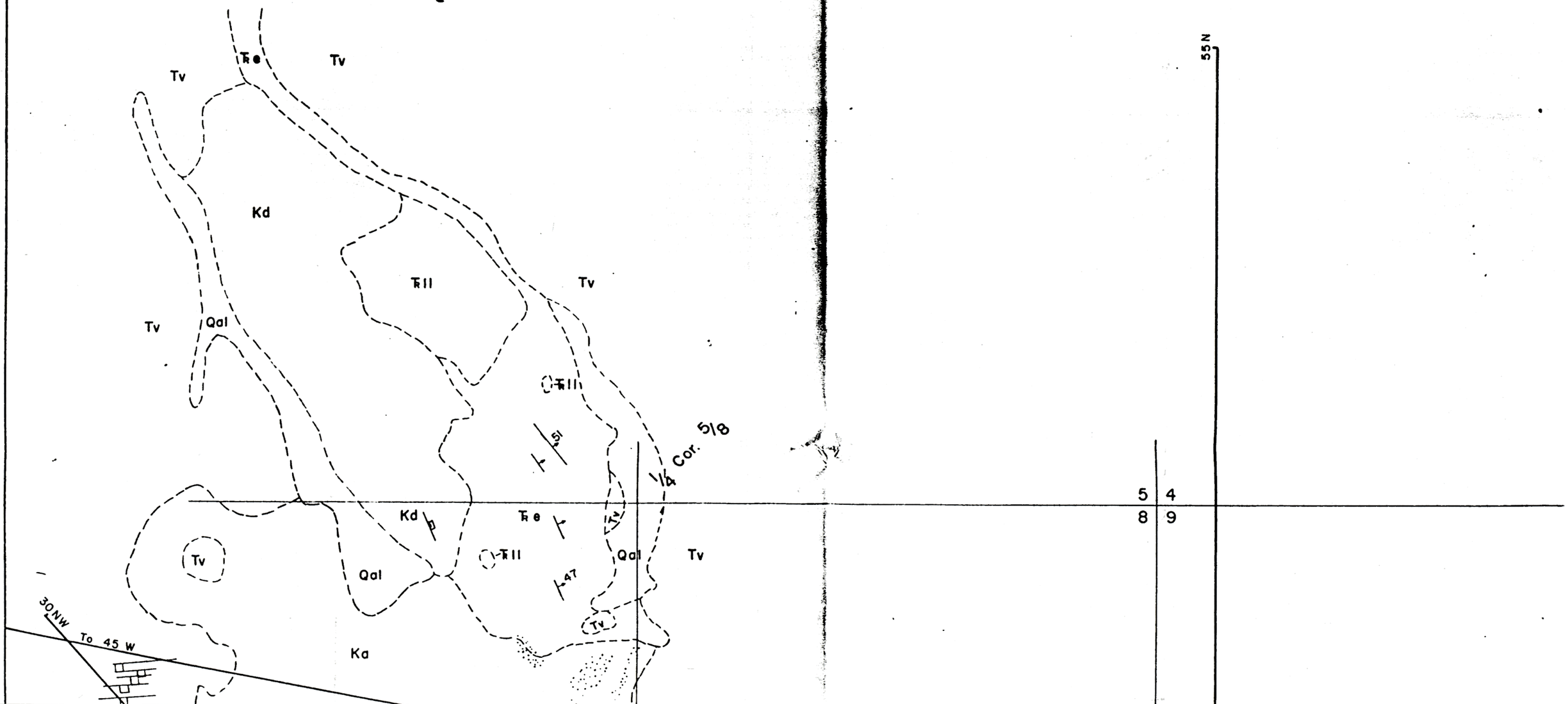
COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

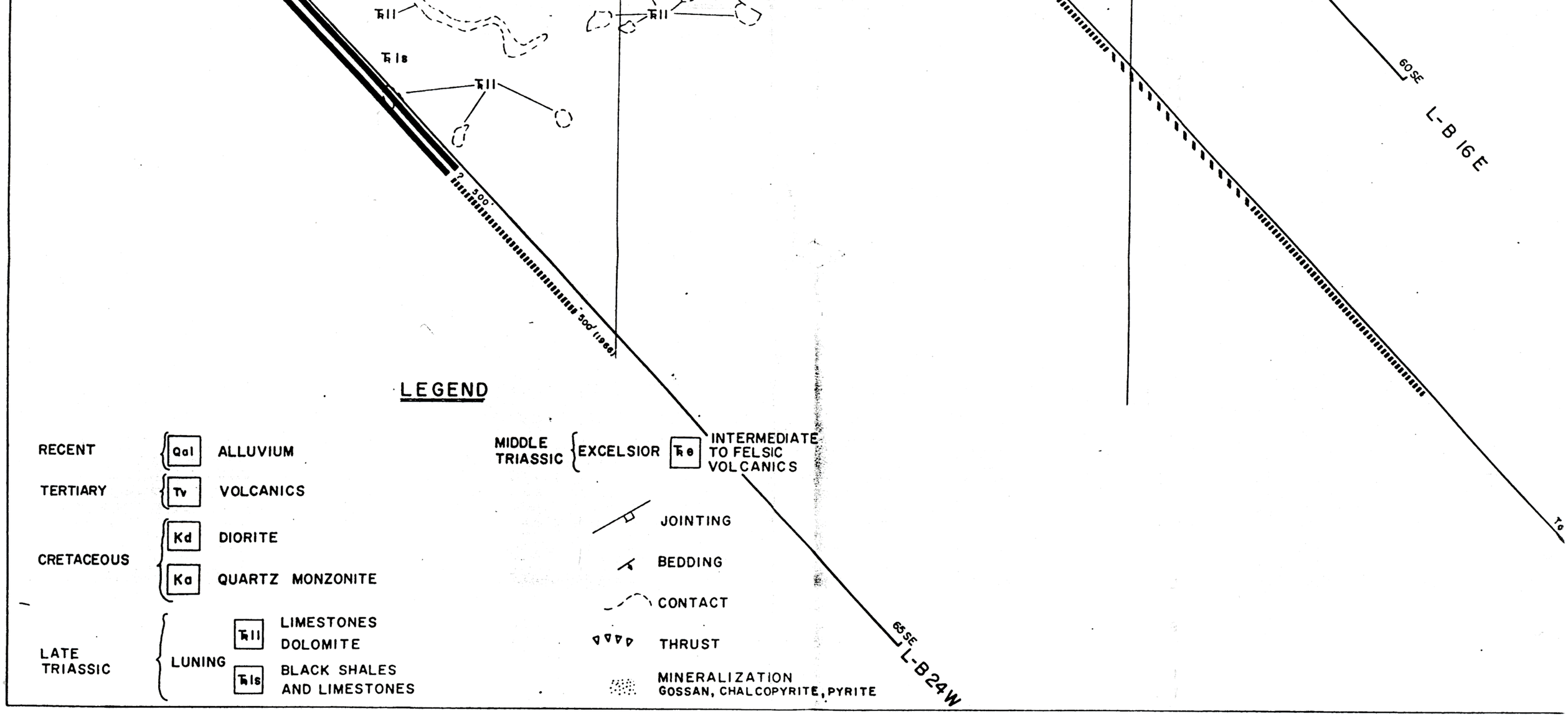
6000 0139C(0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

LOCATION MAP





LEGEND

RECENT	Qal	ALLUVIUM	
TERTIARY	Tv	VOLCANICS	
CRETACEOUS	Kd	DIORITE	
	Ka	QUARTZ MONZONITE	
LATE TRIASSIC	LUNING Trll	LIMESTONES DOLOMITE	
	LUNING Trls	BLACK SHALES AND LIMESTONES	
MIDDLE TRIASSIC	EXCELSIOR Tre	INTERMEDIATE TO FELSIC VOLCANICS	

JOINTING

BEDDING

CONTACT

THRUST

MINERALIZATION
GOSSAN, CHALCOPYRITE, PYRITE

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

Numbers at end of anomalies indicate spreads used.

WALKER-MARTEL MINING COMPANY

COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

SCALE

500 250 0 500 1000 1500 2000 2500
FEET FEET

One Inch = Five Hundred Feet

60000 01391 (0760)