#13
2200 0121 (0760)

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

(7)

2200 0121 (0.760)

WALKER-MARTEL MINING CO.
100 WASHINGTON STREET
RENO, NEVADA
TEL. 786-6405
CODE 702

5/21/68

Mr. J. Anderson
Occidental Minerals Corp.
824 Patterson Bldg.
Denver, Colorado 80202

Re: Assessment work requirements; Walker River Indian Reservation.

Dear Mr. Anderson:

The following is an itemized list of the type of work that has been done for jointly held lode claims around the Reservation boundary:

COPPER MOUNTAIN (Bounder Anomoly or Cu Claims)

#1,2,3,25,25A,26,26A,27,28,29,31,33,35,37,39,40,41,42,43,44,45,46,118,120,122, 124,126,128,130 & 132.
1965-66 Filed drilling and supervision.
1966-67 Filed geophysical survey-ground magnetic survey.

#134,136,138,140,142,144,146,148,150 & 192.
Staked on Aug 6, 1967 assessment due this year.

#4 through 24, 38, 47 through 116, 95A & 96A, 151 through 156, 201 through 204.
Staked Aug and Sept 1967, assessment due this year.
All of the Cu claims may be filed under geological and geophysical work this year.

WILD HORSE CANYON (Rho claims)

#1,2,3,4,5,6,105,107,49,103.
Recorded April 2, 1966
1967 Assessment filed on geological mapping.
All of the Rho Claims may be filed under geological and or geophysical work this year.

COPPER HILL (Delta claims)

#50 through 59 staked June 4, 1965
#48,49,148,149,150,151,47,146 & 147 staked 1966.
The Delta 50 through 59 have been filed under geological and or geophysical work for the past two assessment years.
#47 through 49, 146 through 152 were filed under geological mapping 1966-67. Physical work will be needed on the Delta 50 through 59 this assessment year, the remainder may be filed under geological mapping and or geophysical.

TERRY CLAIMS (Black Mountain Area)

I have no information on these claims as to what has been done or is needed.

Very truly yours,
Robert L. Redmond
Robert L. Redmond

Preliminary Report

2200 0121 (0760)

GEOLOGY OF THE WILDHORSE AREA
MINERAL COUNTY, NEVADA

Geologic mapping was accomplished in the Wildhorse area in the Gillis Range, Mineral County, Nevada, during the summer of 1967, and a geologic map has been prepared at a scale of a thousand feet to the inch. The core from Rho-1 drill hole has been logged in detail. Based on this limited mapping and drill logs, the following conclusions made be drawn:

1. The Rho Group of mining claims are underlain by sediments and metavolcanics of the Lower Excelsior (Excelsior) formation, overlain by acidic ash-falls and ash-flows of early Tertiary age.

2. The Upper Excelsior (Gillis Sequence) and the Luning formations do not occur in the immediate vicinity of the claims. Therfore proposed thrusting could not be substaniated nor disproven. Further mapping immediately to the south may clarify this problem.

3. The sediments and volcanics of the Excelsior formation were intruded by diorite and quartz-porphyry, probably before later metamorphism, as these show some evidence of metamorphism. There is some mineralization in the Excelsior formation near these older intrusives.

4. Faulting along the Walker Lane structures is prominent in the area, along with resulting northeasterly trending faults that show both vertical and lateral movement.

5. Movement along these faults may account for the proposed apparent thrust faulting (Gillis thrust).

6. Mineralization occurs in the metavolcanics and limestone. Pyrite up to 12% occurs in the metavolcanics both above and below the drilling area in Rho canyon, and also to the east and west. Galena, sphalerite, chalcopyrite, and barite occur in a limestone lense of the Excelsior formation in the drilling area in Rho canyon.

7. The heavy fault gouge in Rho-1 drill hole is not a mylonite as reported by Holt (1966), but is probably associated with either the strong northeasterly trending fault a few feet west of the drill hole, or the strong northwesterly trending fault a few feet north of the drill hole.

8. The drill hole as logged by Lawrence (1968) is completely in metavolcanics of Excelsior age. Holt in his report of March 28, 1966, states that this hole correlates well with the surface geology and substaniates the presence of the Gillis thrust in the area" because of the presence of a calcareous, graphitic shale or slate. He suggests the anomaly may be associated "with fairly large replacement bodies in the limestone member of the Luning formation". These conclusions are not substaniated by the core from Rho-1 drill hole, nor by surface mapping.

9. The IP anomaly appears to be associated with sulfides that are visible on the surface, and with the limestone lenses in the Excelsior formation.

Edmond F. Lawrence
Mining Geologist
Reno, Nevada

May 25, 1968

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

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

Wildhorse Canyon Prospect

Line 1+50E	100' electrode intervals	Dwg. IP 2392-1
Line 0+00	200' electrode intervals	Dwg. IP 2392-2
	100' electrode intervals	Dwg. IP 2392-3
	50' electrode intervals	Dwg. IP 2392-4
Line 1+00W	100' electrode intervals	Dwg. IP 2392-5
Line 2+00W	100' electrode intervals	Dwg. IP 2392-6
Line 4+00W	100' electrode intervals	Dwg. IP 2392-7
	50' electrode intervals	Dwg. IP 2392-8

Also enclosed with this report are plan maps of the two prospects, at a scale of 1" = 500'.

Copper Hill Prospect Dwg. Misc. 3151

Wildhorse Canyon Prospect Dwg. Misc. 2393

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 evaluated without making detailed measurements. Because of the known copper, and 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.

Wildhorse Canyon Prospect

Line 1+50E

The anomalous effects on this line are not as definite as to the west. The source is centered at 1S to 0+00, with larger IP effects measured for the larger values of (n). The source may be at depth, or to the side of the line.

Line 0+00

The 200' spread results on this line show a definite shallow anomaly at 2S to 0. The detailed measurements with shorter electrode intervals show that there is some depth to the top of the source. The source is very strong, and may have a width of 100' or more.

Line 1+00W

The anomaly located with 100' spreads on this line is very strong. There is some depth to the top of the source, and there may be two zones causing the anomalous effects measured.

Line 2+00W

The anomaly just south of the base line is still quite strong on this line. The 100' spread results show a strong anomaly that had some width, with some depth to the top.

The results also show a weaker, narrow anomaly centered at about 3E. This is a new anomalous position, and the anomaly is not evident on the lines to the east.

Line 4+00W

The results at about 3S on this line show that the source that has been traced from the east is at considerable depth, or that the source is to the side, terminating between Line 2+00W and Line 4+00W.

The anomaly at 1N to 2N is much stronger on this line than to the east. The source is indicated to be relatively narrow, and it obviously extends farther to the west. The 50' spread results show that the source is quite narrow, with some depth to the top.

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.

The southern anomaly at Wildhorse Canyon is well enough located to be drilled. Several holes have already been spotted on Line 0+00; the

economic importance of the mineralization intersected in those first holes will determine the need for further holes.

The anomaly to the north at Wildhorse Canyon is only definite on Line 4+00W. It is obvious that more measurements are required on the lines to the west so that this zone can be tested by drilling also.

Reconnaissance lines to cover a much larger area are warranted in this area also. The area of the original survey was limited to the area in which surface evidences of the mineralization could be seen. Experience in other areas indicates that other, more important, zones of mineralization that have no surface expression may be present. The resistivity level in the area is ideal for IP work, and a reconnaissance program would successfully locate other zones that might be present.

McPHAR GEOPHYSICS LIMITED

Philip G. Hallof,
Geophysicist.

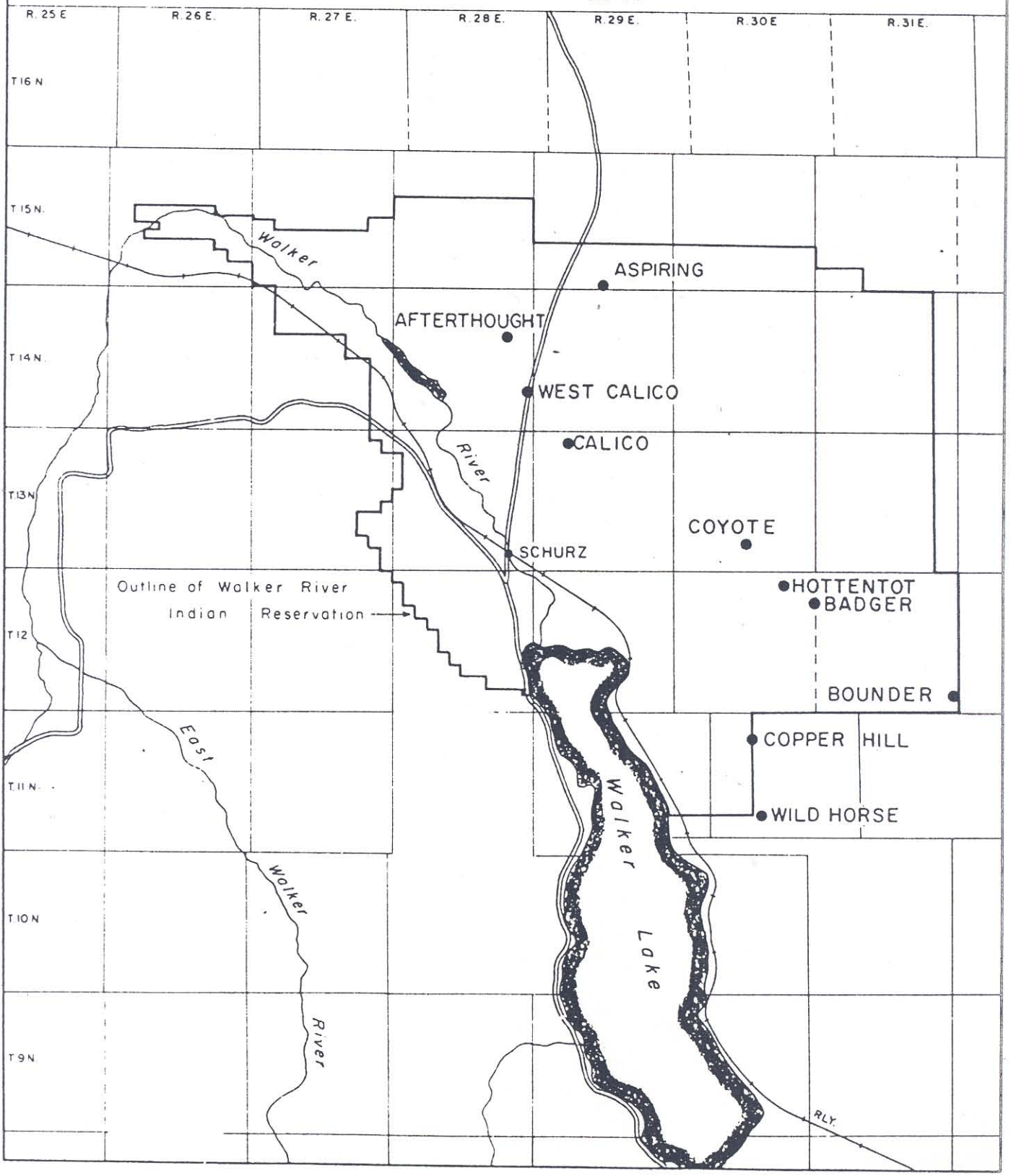
Dated: February 23, 1966

2200 0121 (0760)

WALKER-MARTEL MINING COMPANY

PROSPECT LOCATIONS FOR GEOPHYSICAL SURVEY PROGRAMS

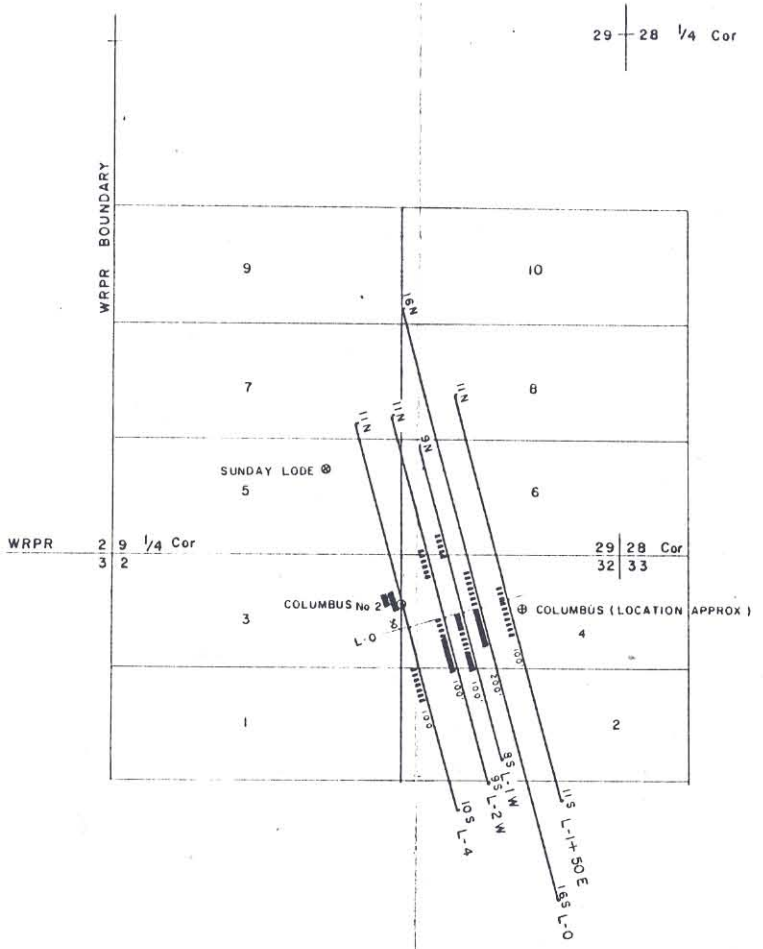
LOCATION MAP



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

LOCATION MAP



N

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

Numbers at end of anomalies indicate spreads used.

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

SCALE

500 FEET 250 0 500 1000 1500 2000 2500 FEET

One Inch = Five Hundred Feet

DRAWN

DATE FEB 1966

APPROVED I.M.R.

DATE Feb 11/66

#13

McPHAR GEOPHYSICS LIMITED

DWG. MISC 2393

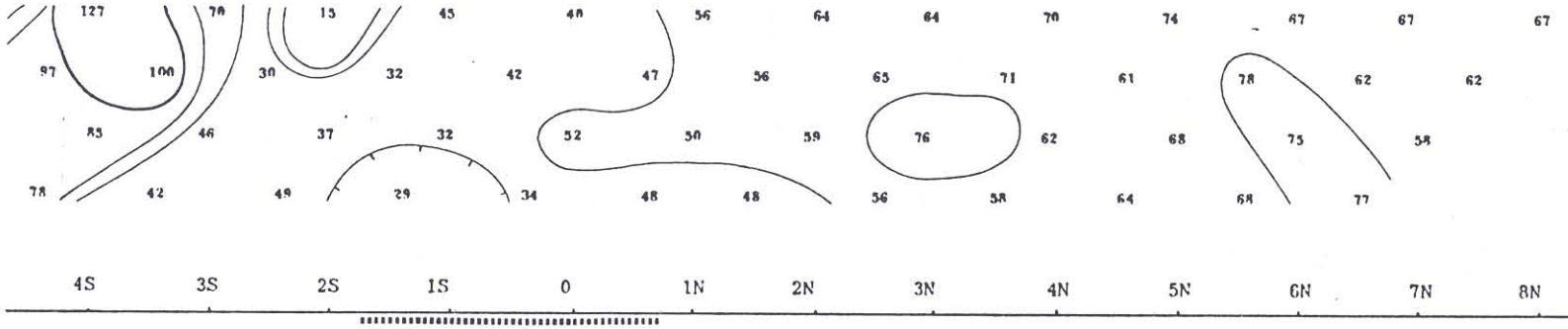
2200 0121 (0760)

DWG. NO.-I.P.-2392-1

McPHAR GEOPHYSICS LIMITED

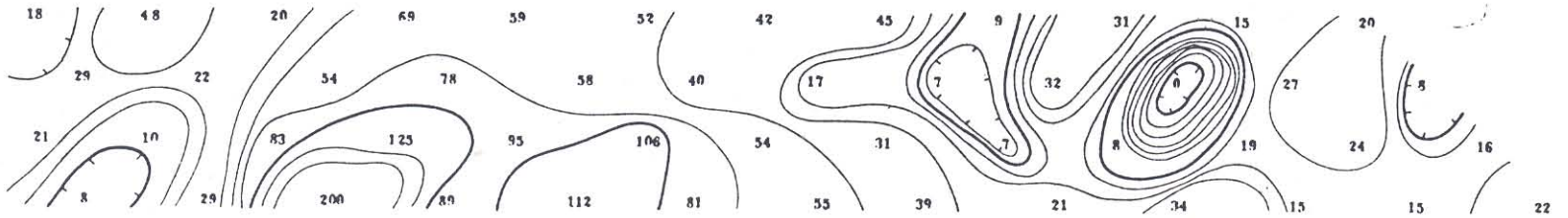
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)

4S 3S 2S 1S 0 1N 2N 3N 4N 5N 6N 7N 8N 9N 10N 11N



(M.F.) a

LINE NO.-1+50 E

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

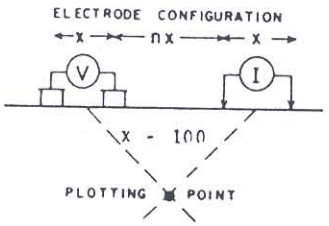
FREQUENCY 0.08-1.25 C.P.S.

DATE SURVEYED JAN. 1966

APPROVED J. M. B.

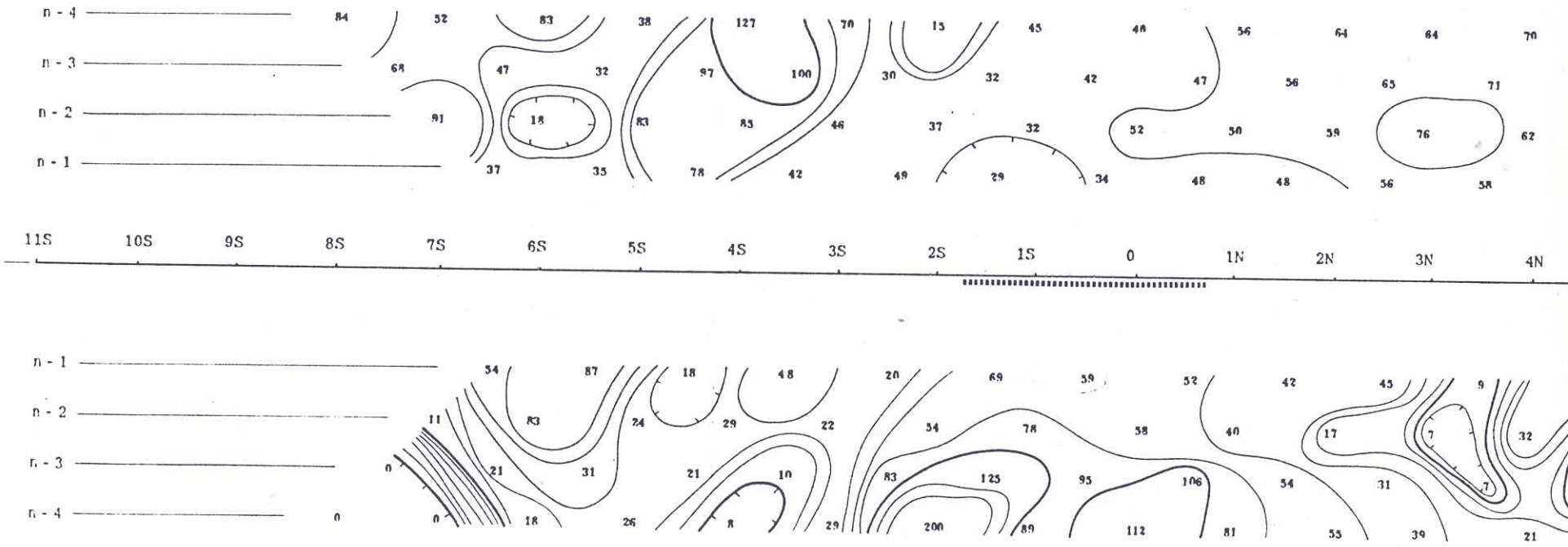
DATE Feb. 22 '66

2200 0121 (0760)



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

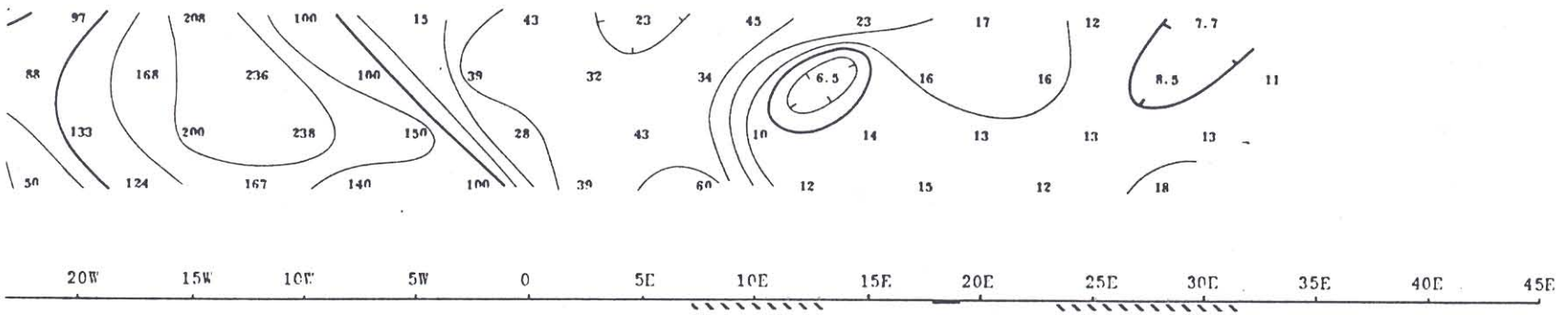
2200 0121 (0760)

DWG. NO.-I.P.-2391-1

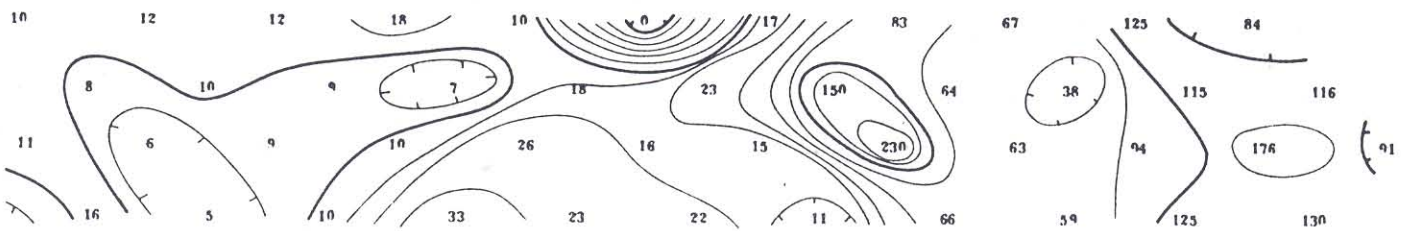
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)



(M.F.) a

LINE NO.-A

WALKER-MARTEL MINING COMPANY

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

Scale - One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

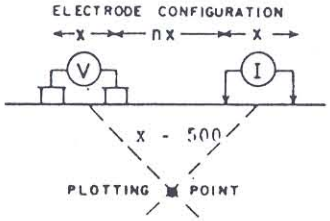
FREQUENCY [illegible] C.P.S.

DATE SURVEYED JAN. 1966

APPROVED J.M.B.

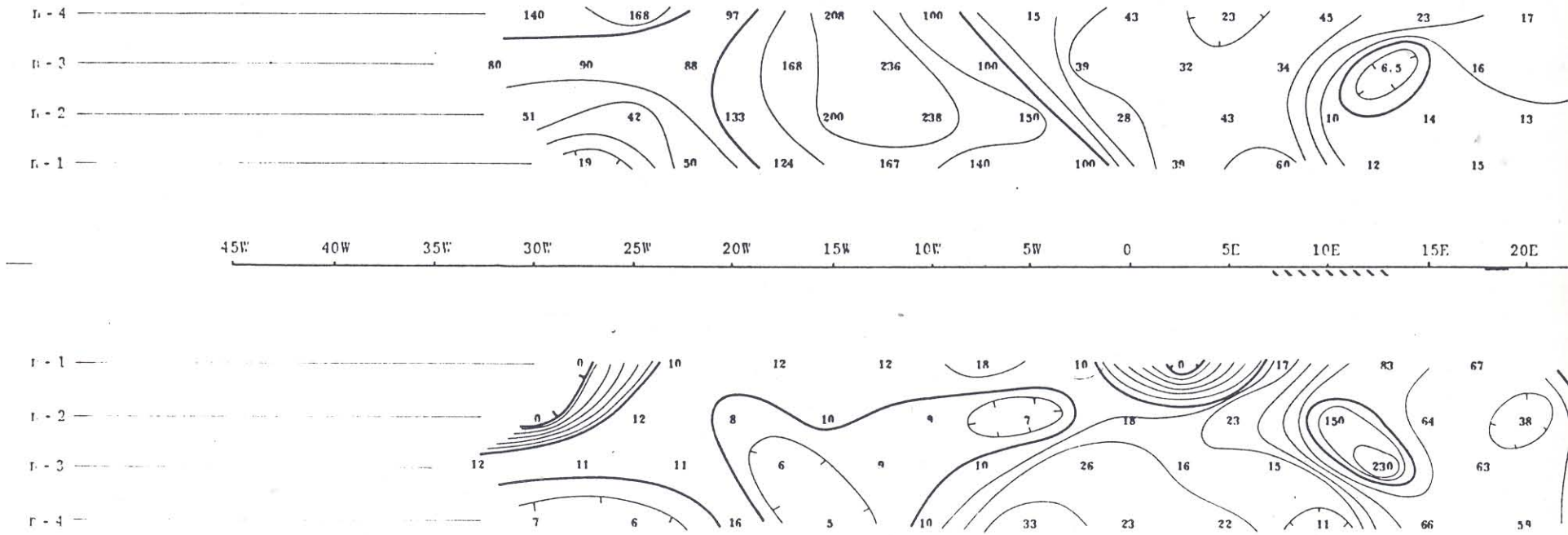
DATE Feb. 22 '66

2200 0121 (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

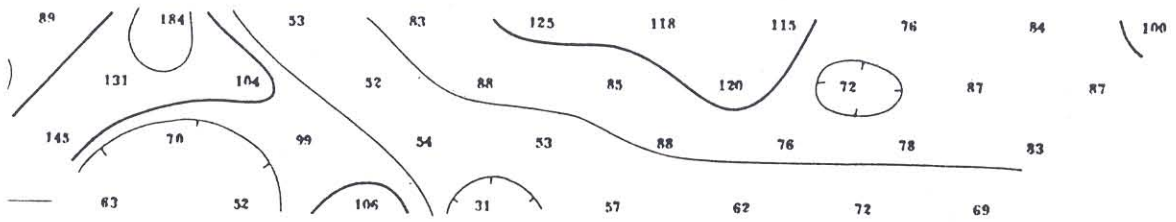
2200 0121 (0760)

DWG. NO.-I.P.-2392-2

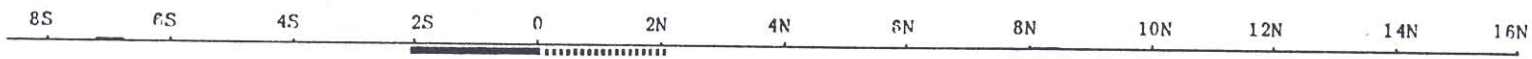
McPHAR GEOPHYSICS LIMITED

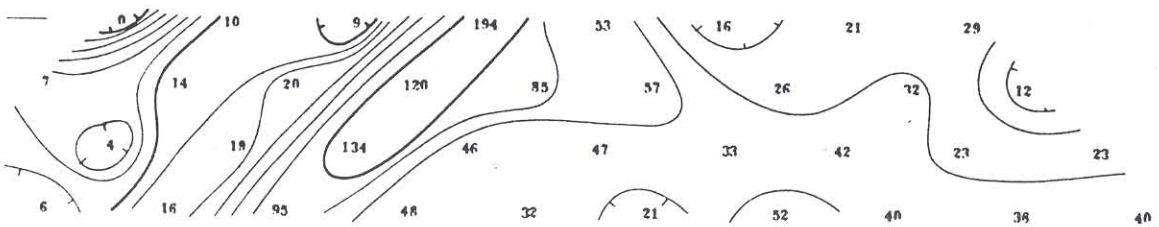
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)





(M.F.) a

LINE NO.-O

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.5 & 2.5 CPS

DATE SURVEYED JAN. 1986

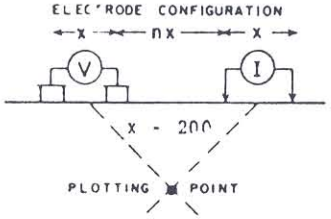
APPROVED M.B.

DATE Feb. 22/86

McPHAR GEOPHYSICS LIMITED

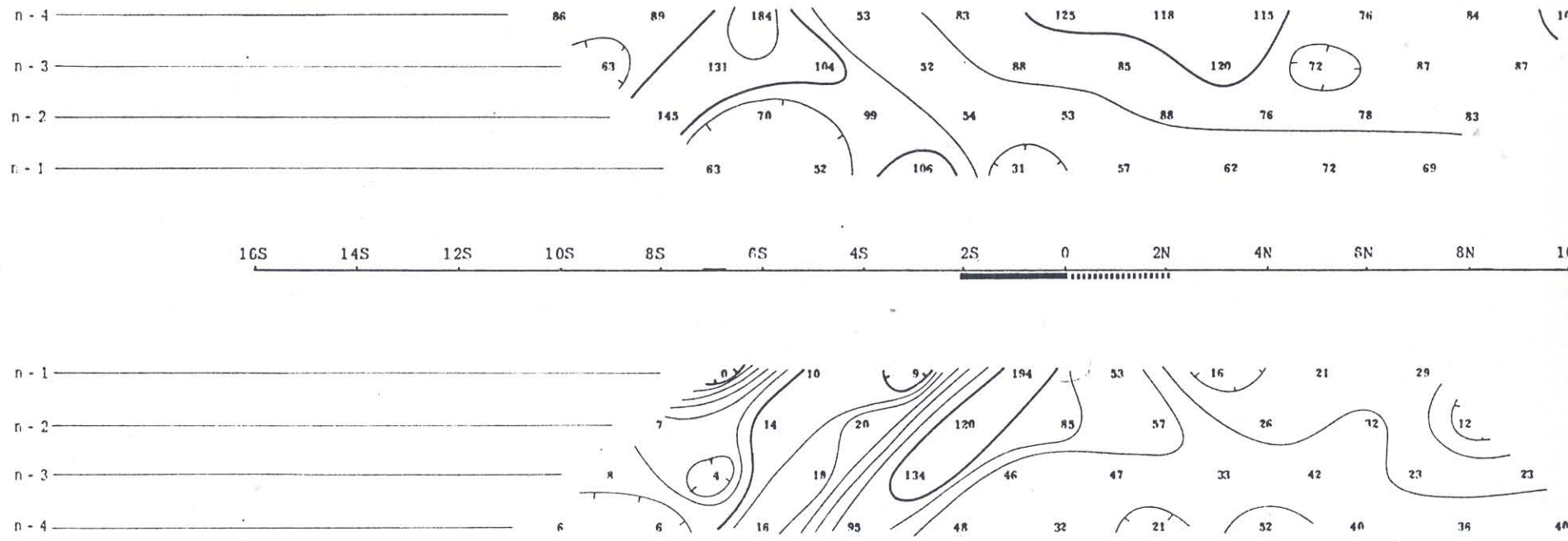
2200 0121 (0760)

ELECTRODE CONFIGURATION



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE .....

POSSIBLE / / / / / / / /

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

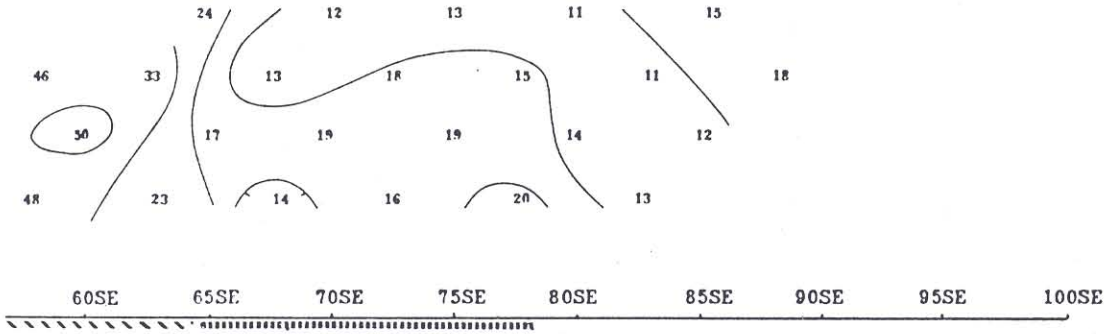
Scale—One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

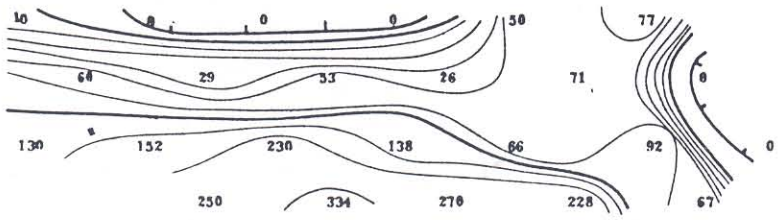
2200 0121 (0760)

DWG. NO.—I.P.-2391-2

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



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



(M.F.) a

LINE NO.—"C"

FREQUENCY 0.05 - 1.55 CPS

DATE SURVEYED JAN. 1966

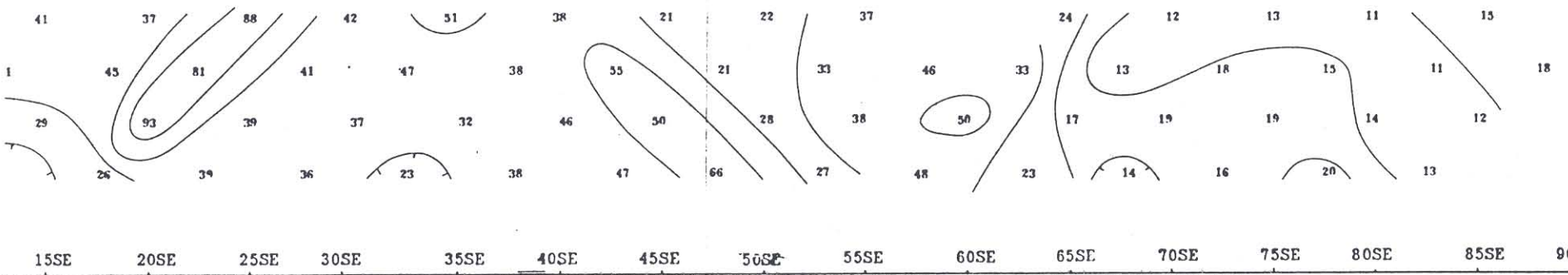
APPROVED J.M.R.

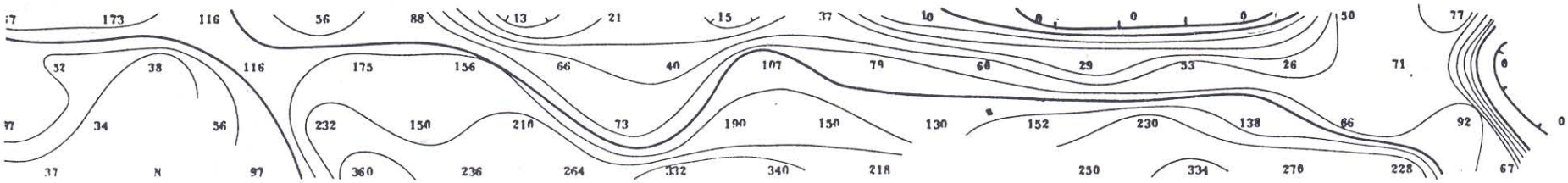
DATE Feb. 22/66

2200 0121 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





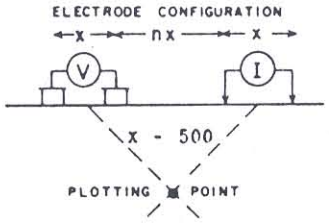
WALKER-MARTEL MINING COMPANY

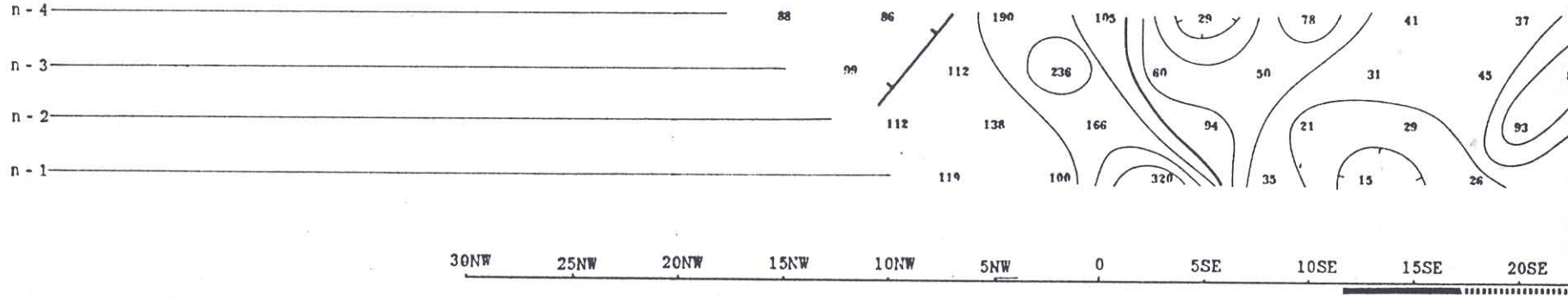
COPPER HILL PROSPECT, MINERAL CTY., NEVADA - U. S. A.

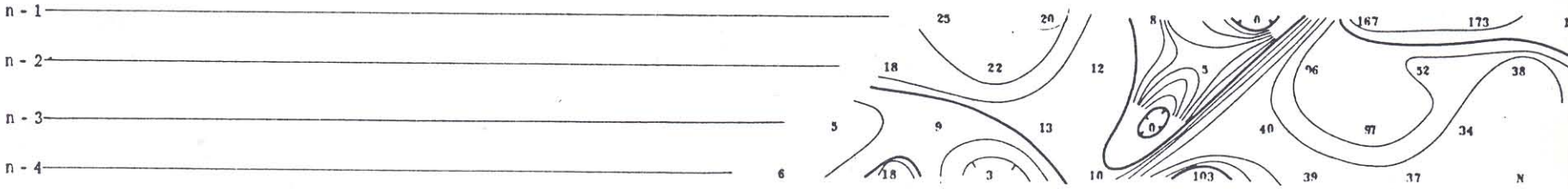
Scale—One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

2200 0121 (0760)







SURFACE PROJECTION
OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

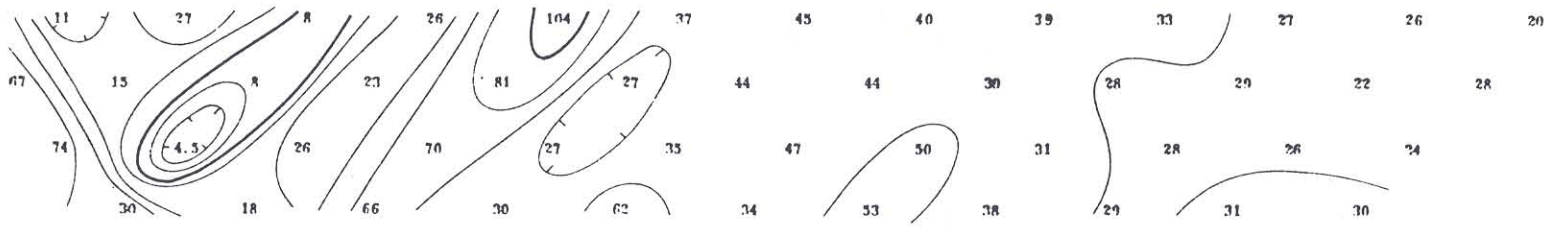
2200 0121 (0760)

DWG. NO.-I.P-2391-3

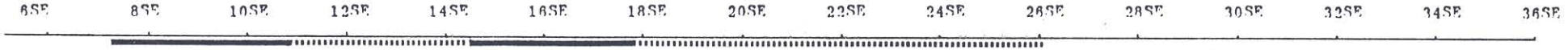
McPHAR GEOPHYSICS LIMITED

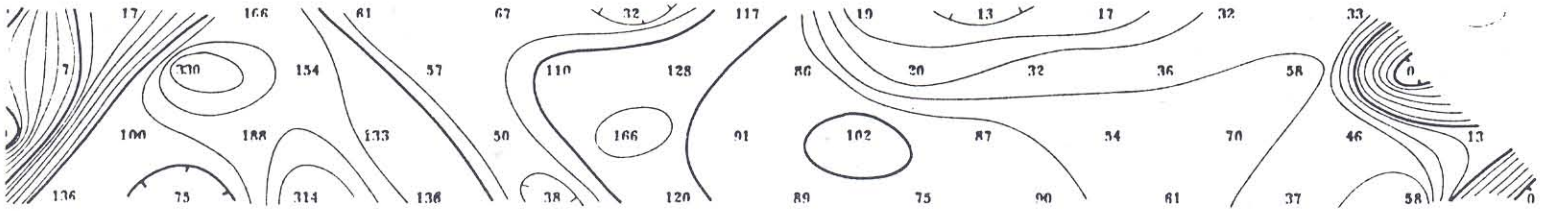
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



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





(M.F.) o

LINE NO-B6E

WALKER-MARTEL MINING COMPANY

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

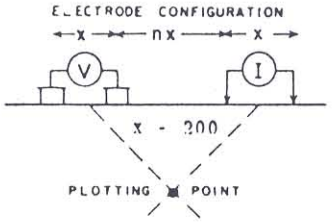
Scale-One inch = 200Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY
DATE SURVEYED JAN 1968
APPROVED J. M. B.
DATE Feb. 22 1968

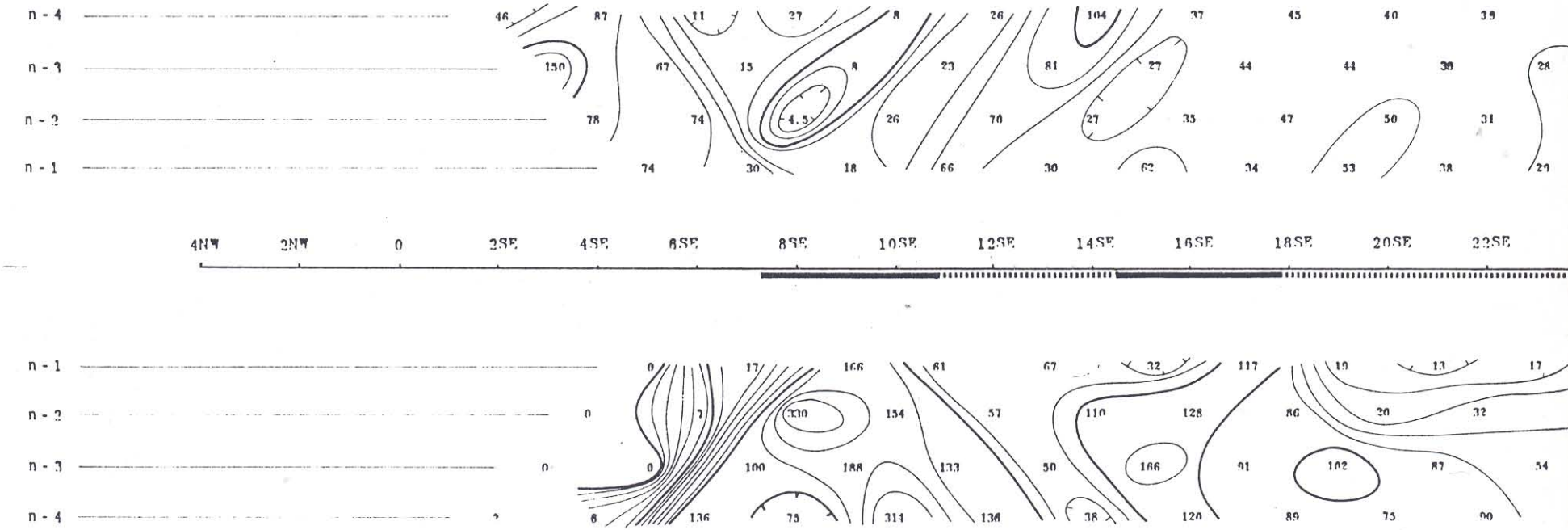
GEOPHYSICS LIMITED

2200 0121 (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 = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

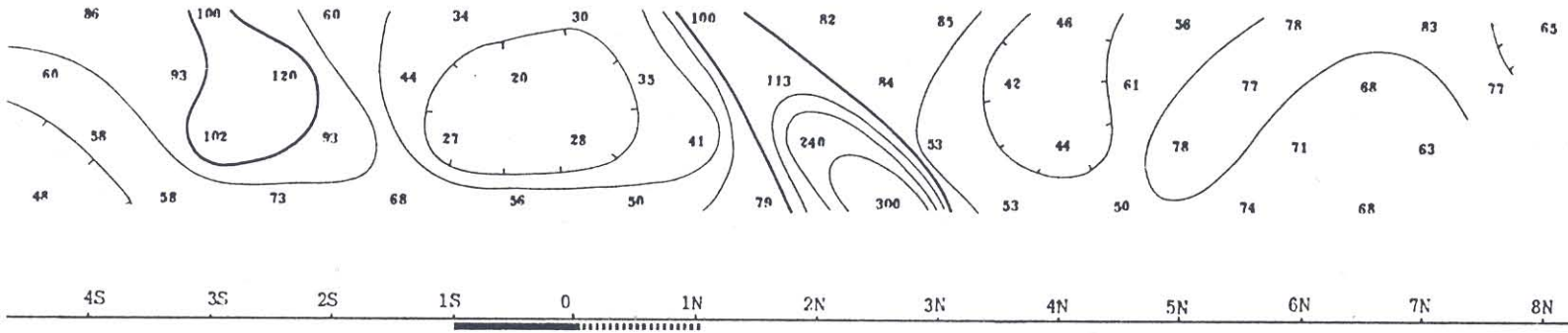
2200 0121 (0760)

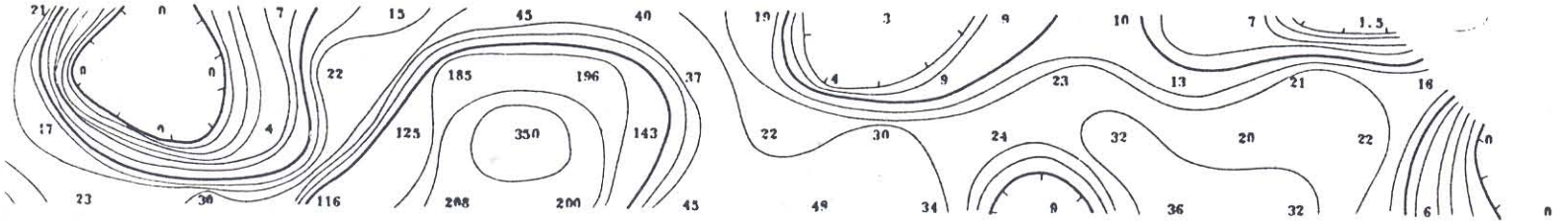
DWG. NO.-I.P.-2592-S

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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





LINE NO-O

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

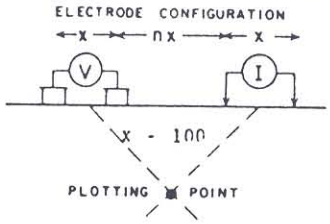
FREQUENCY 0.05-0.5-2.5 cps

DATE SURVEYED JAN. 1966

APPROVED [illegible]

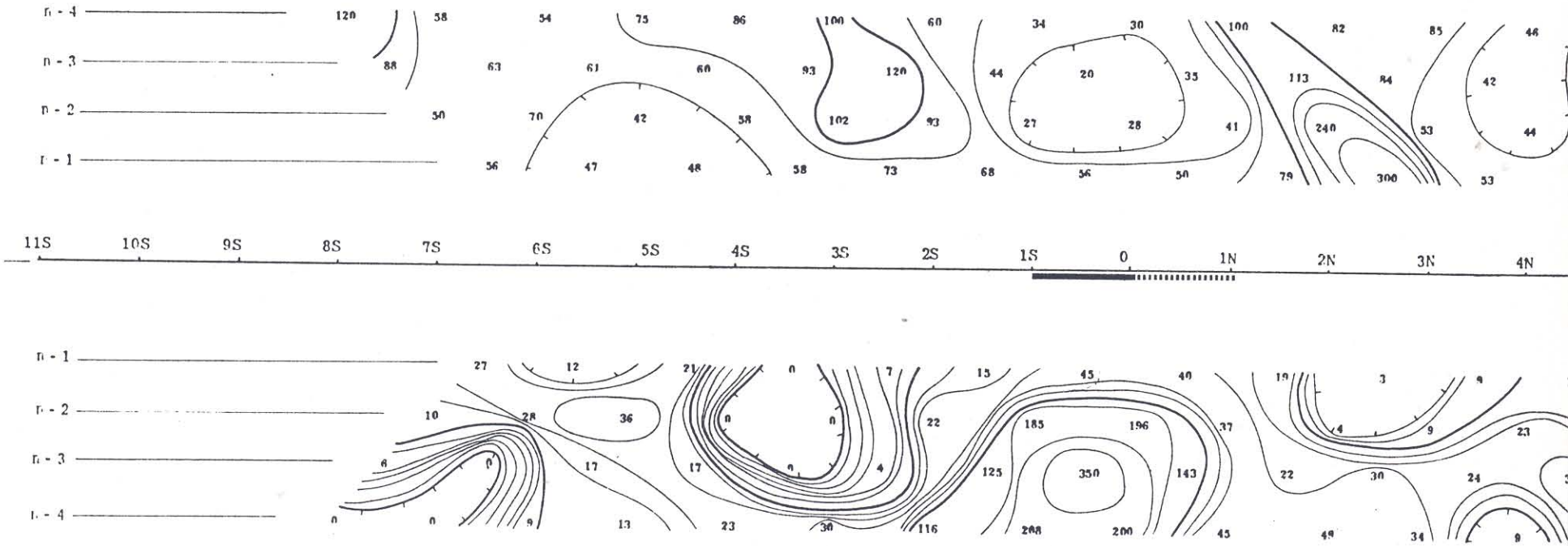
DATE 2-22-66

2200 0121 (0760)



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

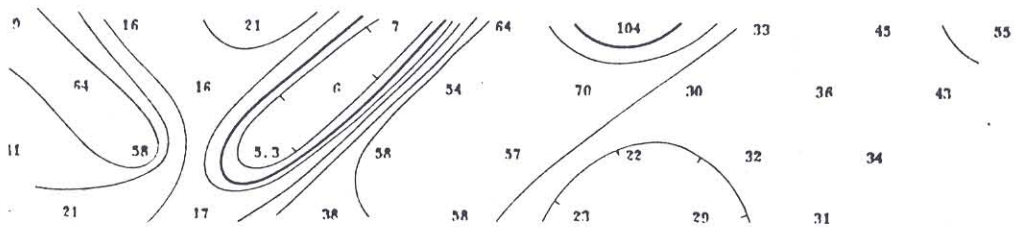
2200 0121 (0760)

DWG. NO.-I.P.-2391-4

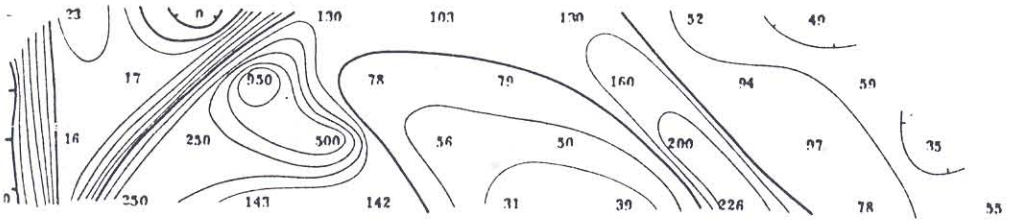
McPHAR GEOPHYSICS LIMITED

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.- B4 E

WALKER-MARTEL MINING COMPANY

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

Scale - One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.5 - 1.0 - 2.5 C.P.S.

DATE SURVEYED JAN 1964

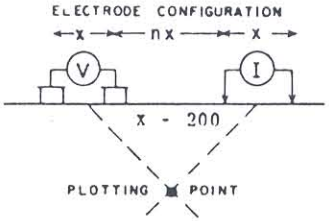
APPROVED J.M.B.

DATE Feb. 22/64

McPHAR GEOPHYSICS LTD.

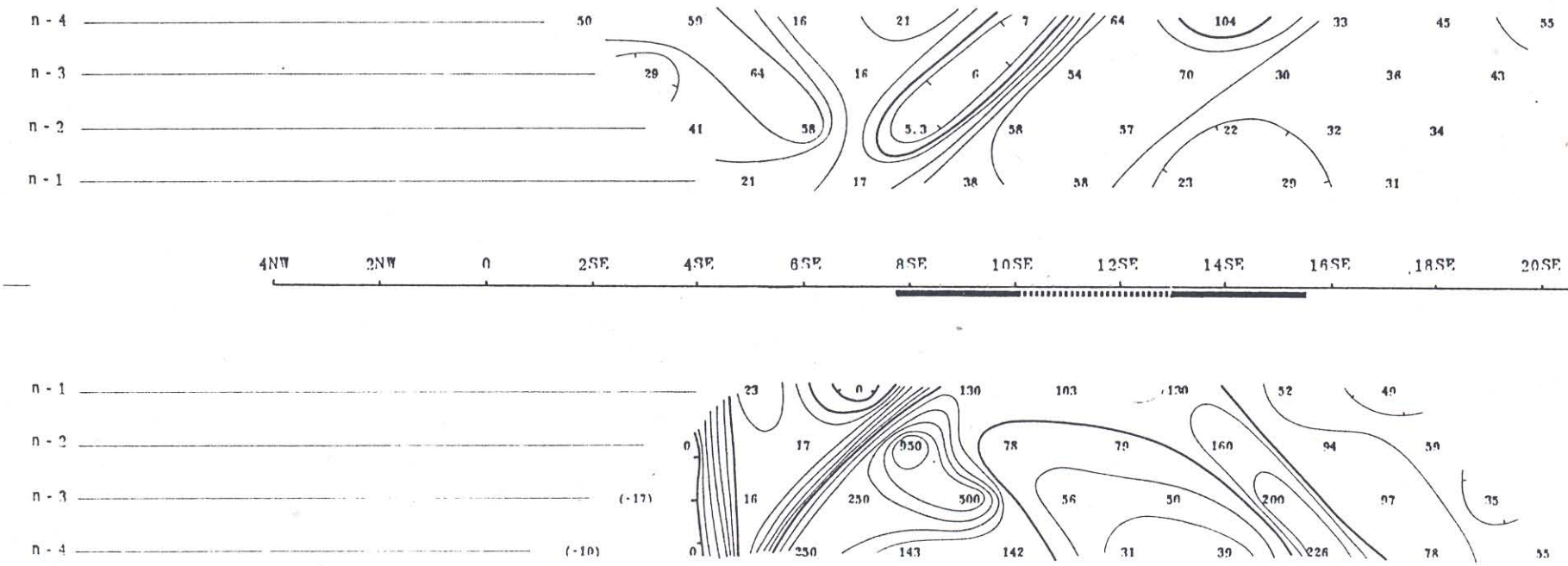
2200 0121 (0760)

ELECTRODE CONFIGURATION



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

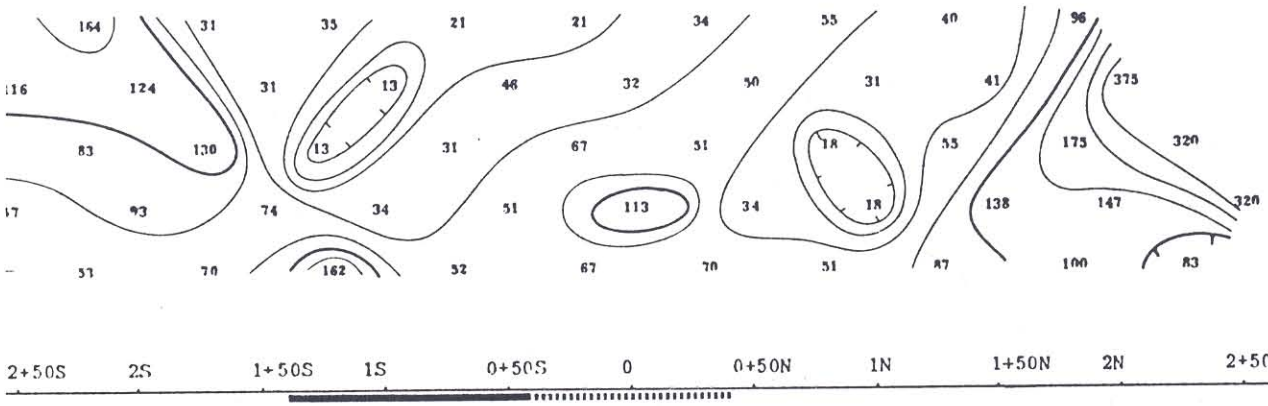
2200 0121 (0760)

DWG. NO. T.F. 2052 4

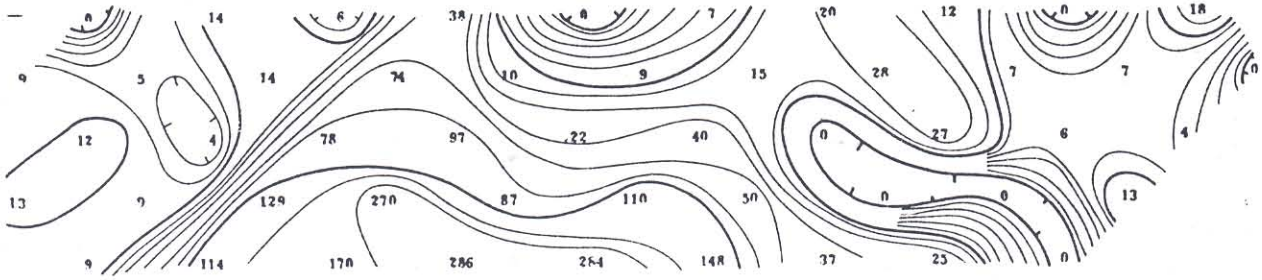
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)



(M.F.) a

LINE NO.— O

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale — One inch = 50 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-4 ~~CPS~~

DATE SURVEYED JAN. 1966

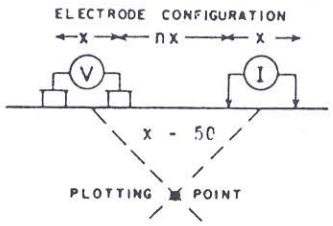
APPROVED J.M.B.

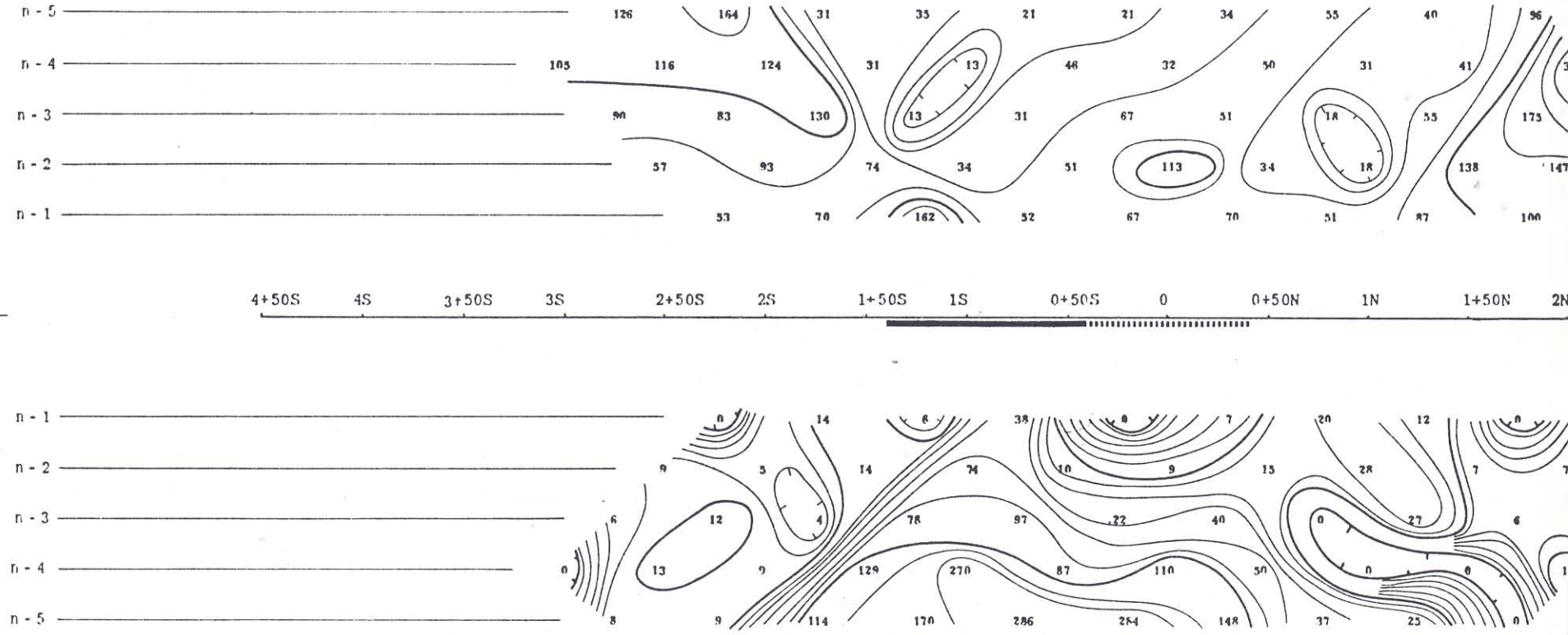
DATE Jan. 22/66

2200 0121 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE .....

POSSIBLE / / / / / / / /

WALKER-MARTEL MINING COMPANY

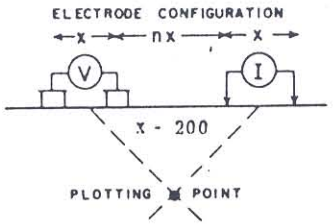
WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 50 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

2200 0121 (0760)

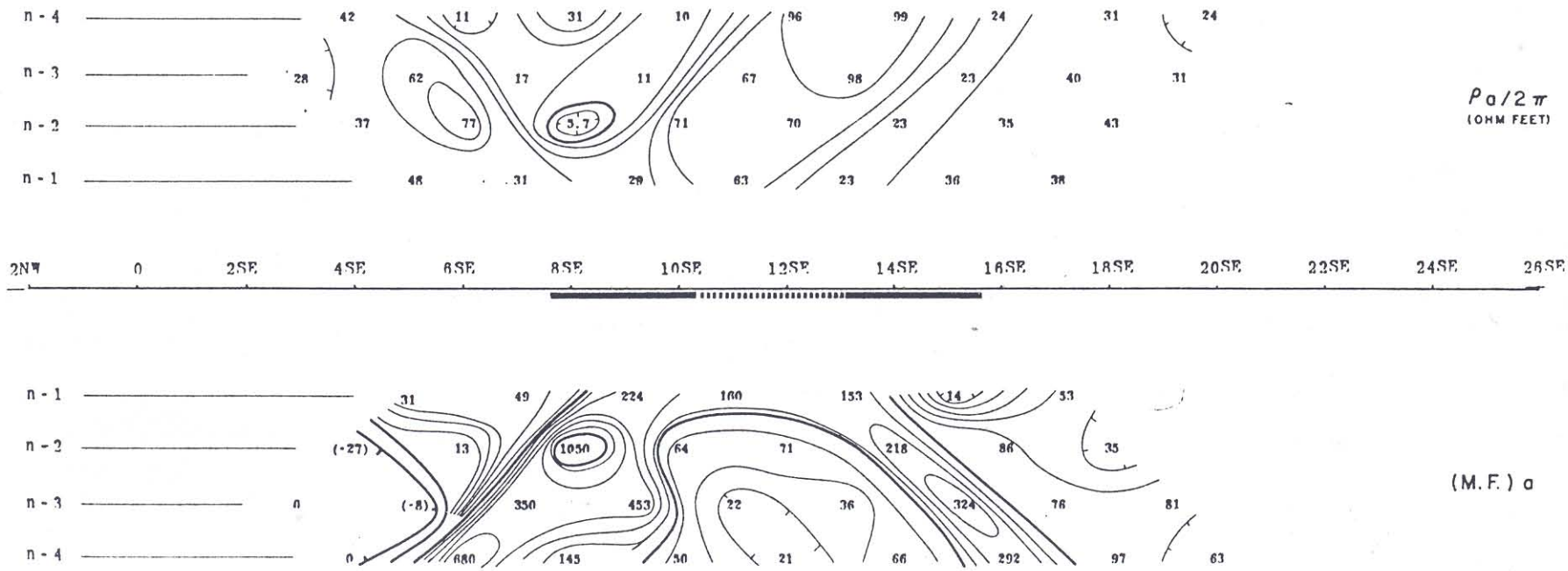
DWG. NO.-I.P.-2391-S



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



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 C.P.S.

DATE SURVEYED JAN. 1965

APPROVED J. M. R.

DATE Feb. 22/66

GEOPHYSICS LIMITED

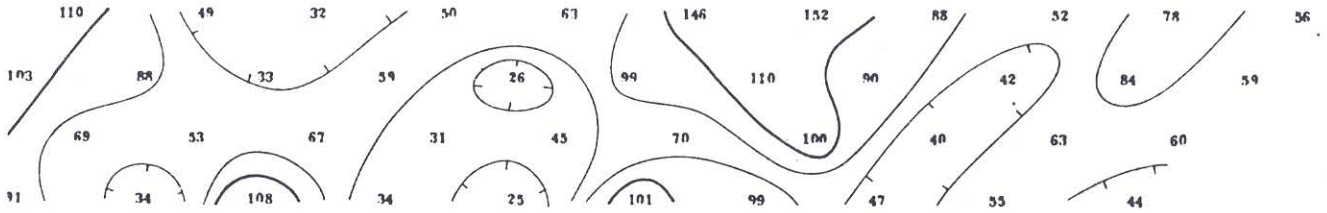
2200 0121 (0760)

DWG. NO.-I.P.-2392-5

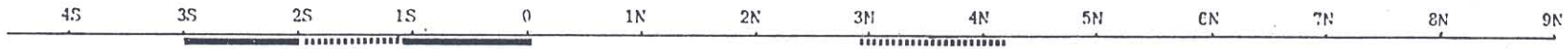
McPHAR GEOPHYSICS LIMITED

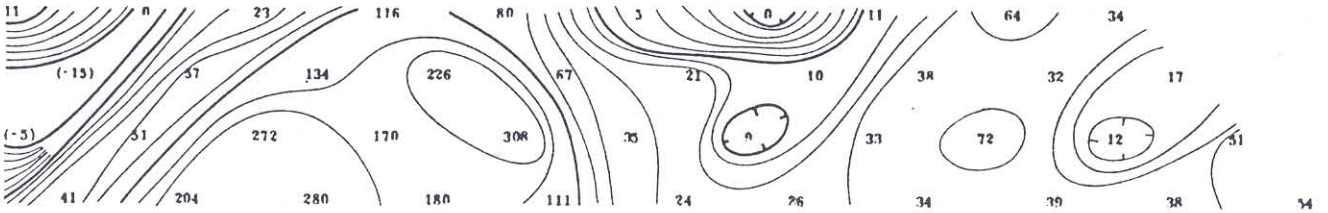
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



Pa/2π
(OHM FEET)





(M.F.) a

LINE NO-1 W

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE: LOGARITHMIC CONTOUR INTERVAL

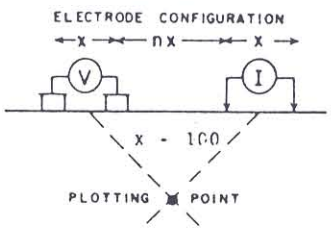
FREQUENCY 0.06 & 1.25 CPS

DATE SURVEYED JAN 1966

APPROVED I. M. B

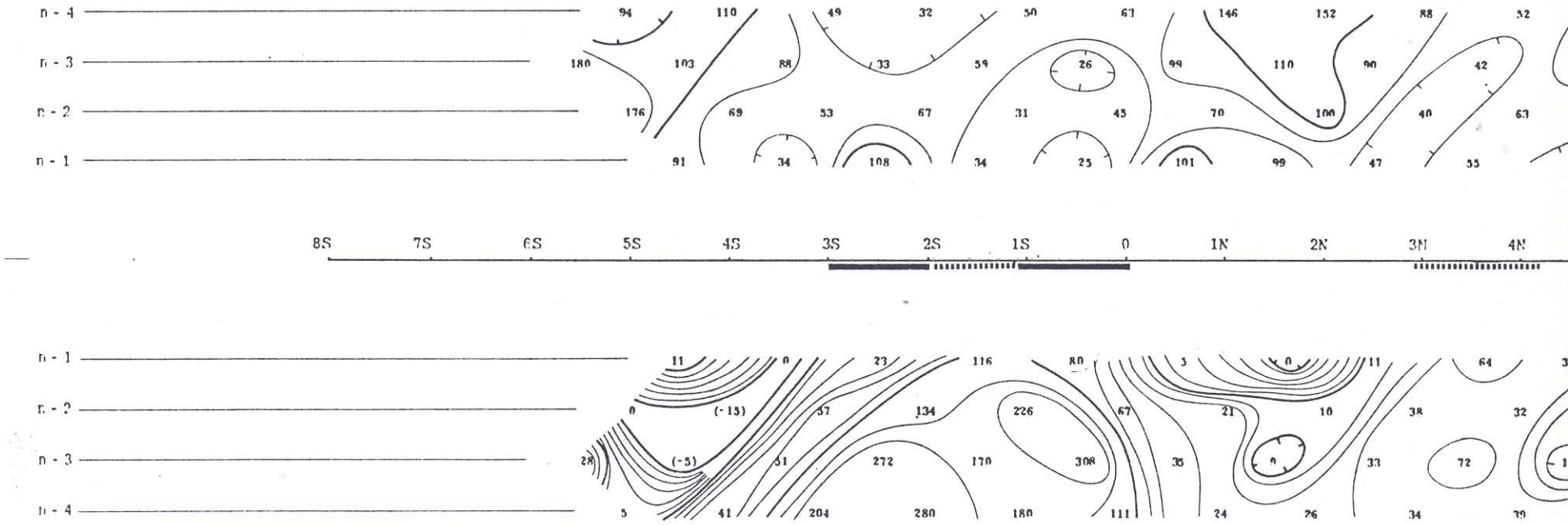
DATE Feb. 22/66

2200 0121 (0760)



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE .....

POSSIBLE / / / / / / / /

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale — One inch = 100 Feet

NOTE · LOGARITHMIC CONTOUR INTERVAL

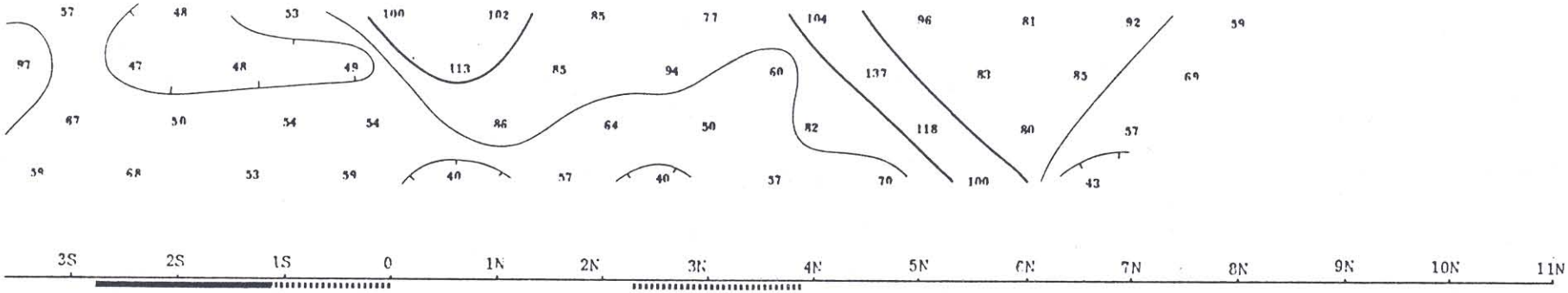
2200 0121 (0760)

DWG. NO.-I.P.-2392-6

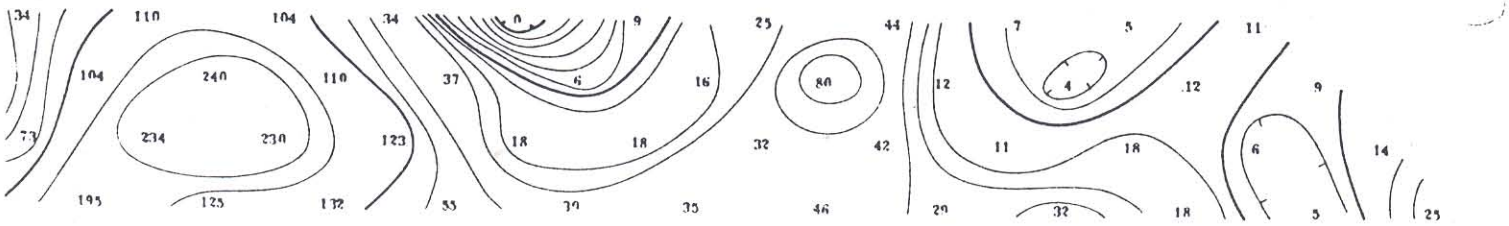
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)



(M.F.) a

LINE NO.-2 W

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale-One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

FREQUENCY 0.05-1.25 CPS

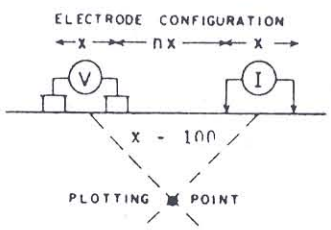
DATE SURVEYED JAN. 1966

APPROVED 1.21.13

DATE 2.22.66

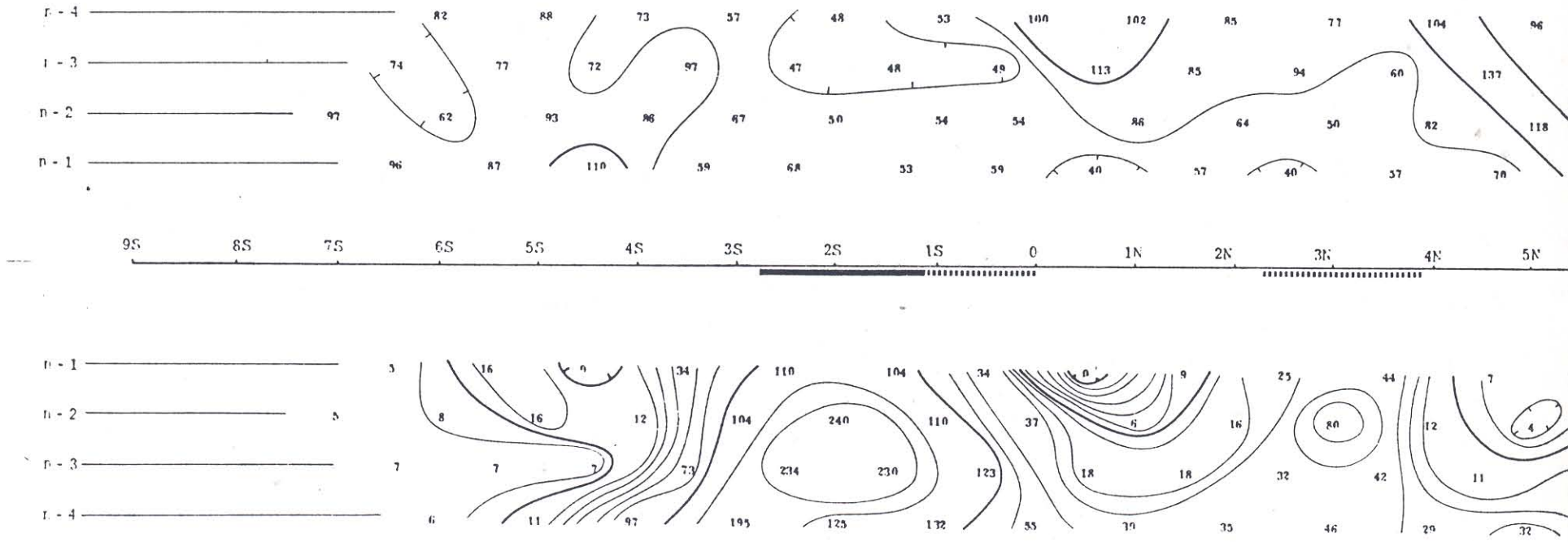
2200 0121 (0760)

ELECTRODE CONFIGURATION



McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

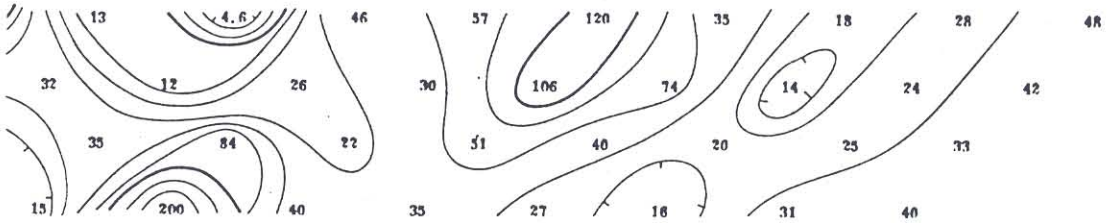
2200 0121 (0760)

DWG. NO.-I.P.-2391-6

McPHAR GEOPHYSICS LIMITED

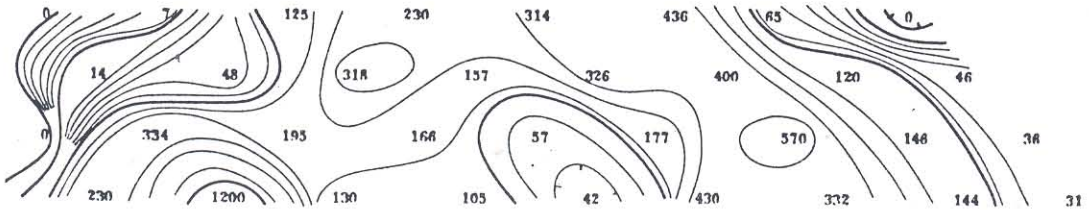
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)

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



(M.F.) a

LINE NO.- B2 E

WALKER-MARTEL MINING COMPANY

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

Scale-One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

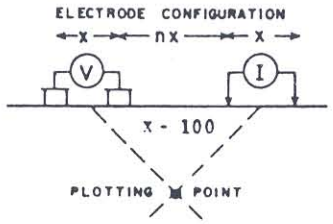
FREQUENCY 0.5 - 1.25 - 2.5 C.P.S.

DATE SURVEYED JAN 1966

APPROVED

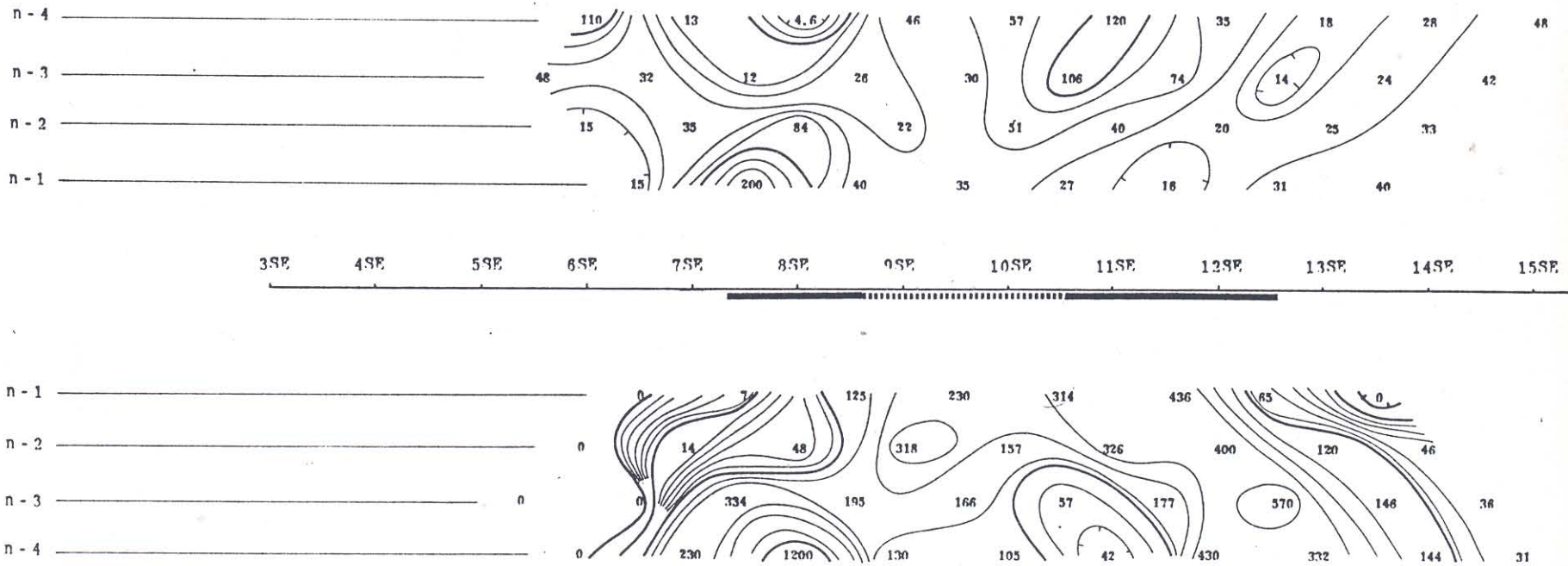
DATE

2200 0121 (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

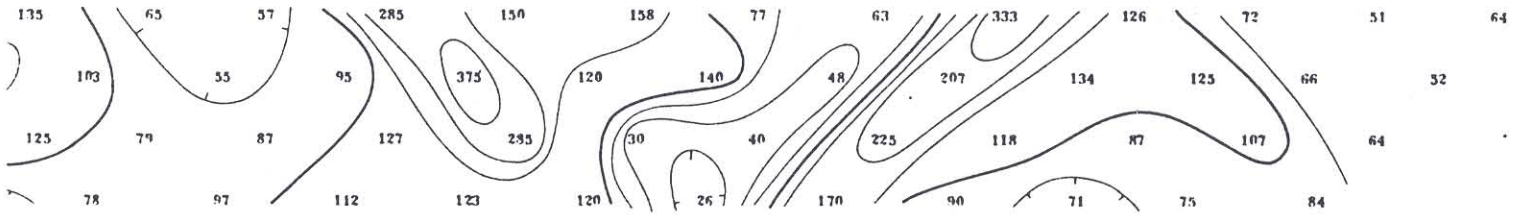
2200 0121 (0760)

DWG. NO.-I.P.-2392-7

McPHAR GEOPHYSICS LIMITED

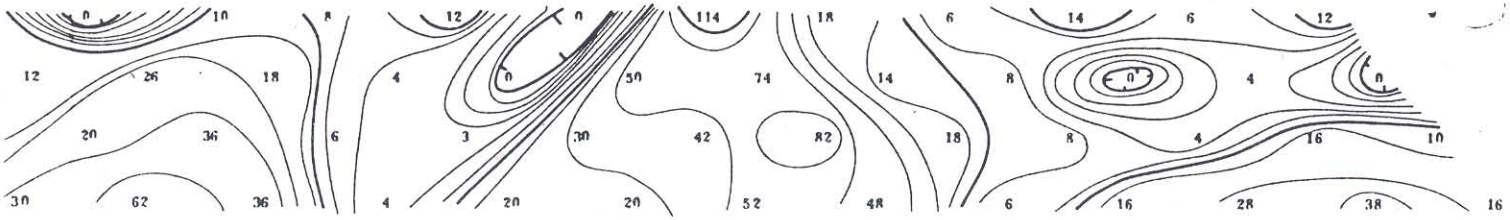
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)

1S 3S 2S 1S 0 1N 2N 3N 4N 5N 6N 7N 8N 9N 10N 11N



(M.F.) a

LINE NO.-4 W

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale-One inch = 100 Feet

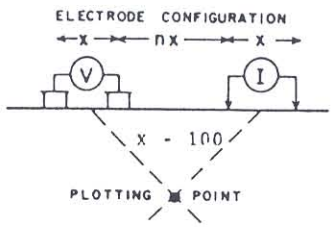
NOTE LOGARITHMIC CONTOUR INTERVAL

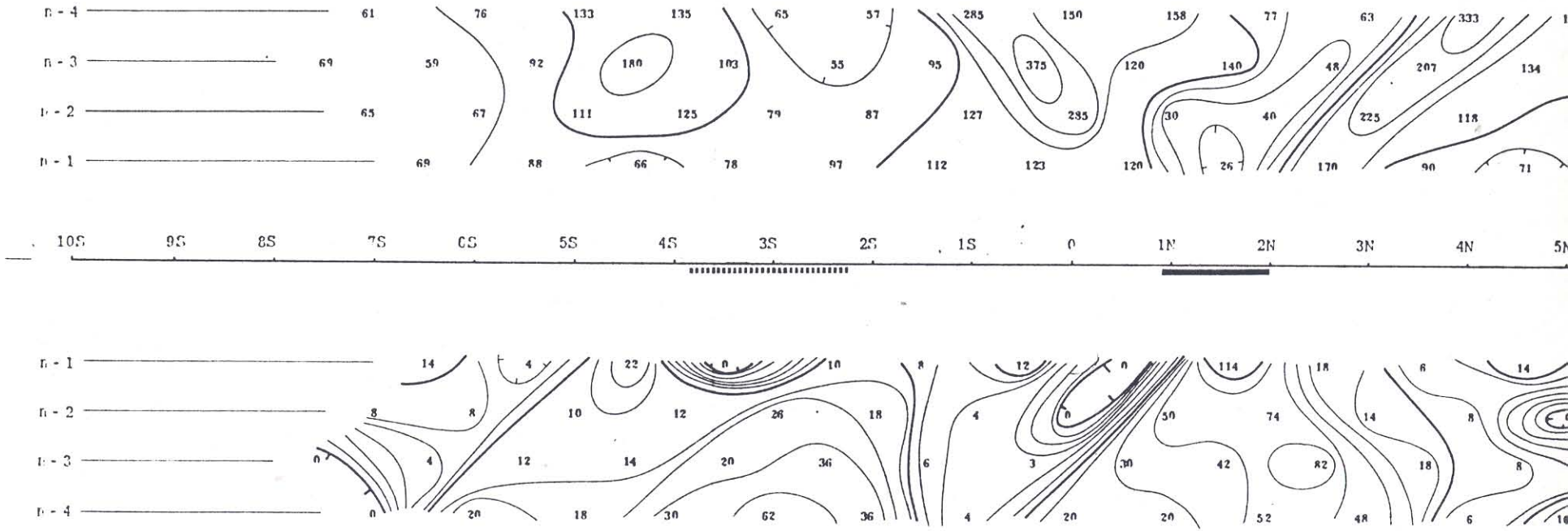
FREQUENCY 0.05-1.25 CPS
DATE SURVEYED JAN. 1966
APPROVED J. M. R.
DATE Feb. 22 '66

2200 0121 (0760)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE .....

POSSIBLE / / / / / / / /

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale—One inch = 100 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

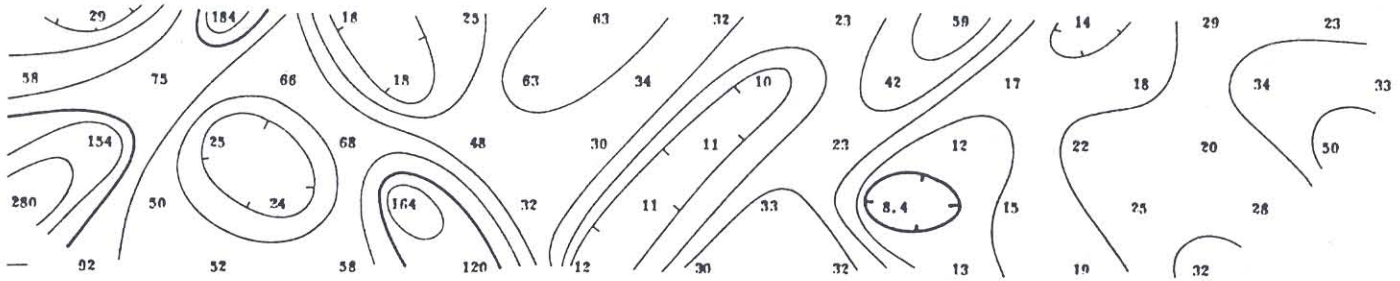
2200 0121 (0760)

DWG. NO.-I.P.-2391-7

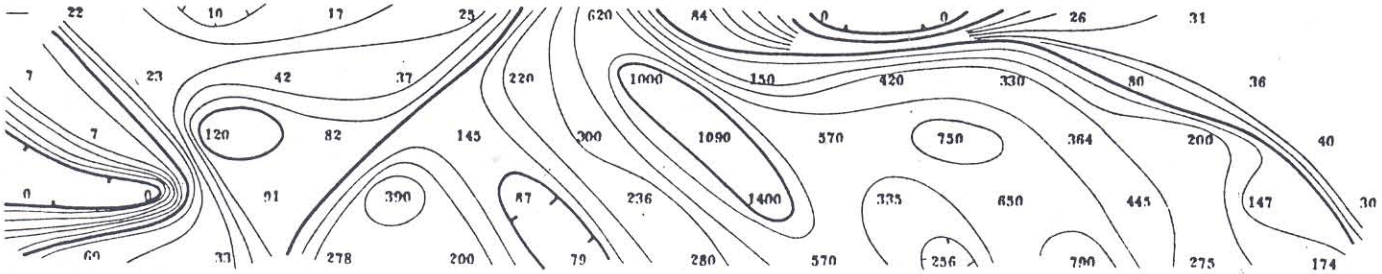
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(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 = 50 Feet

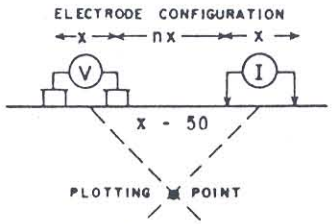
NOTE LOGARITHMIC CONTOUR INTERVAL

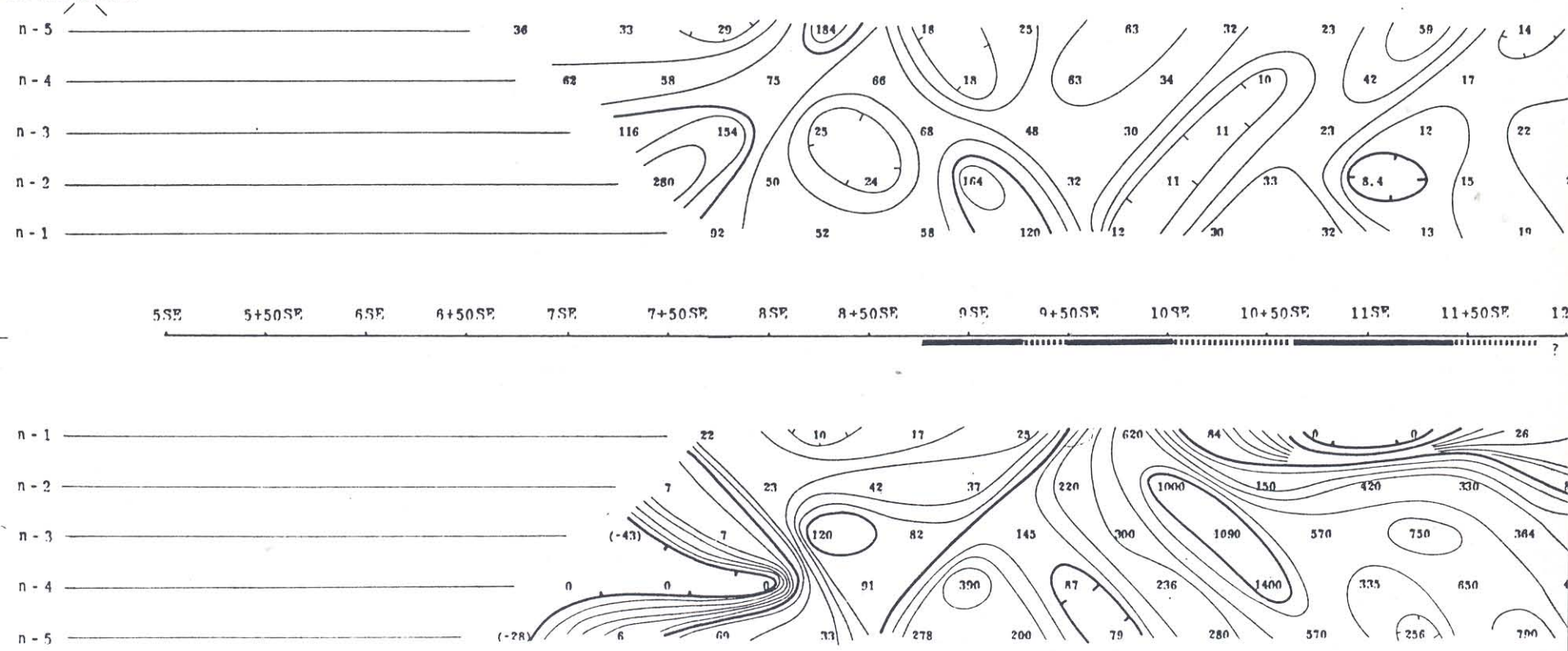
FREQUENCY 0.5 & 2.5 C.P.S.
DATE SURVEYED JAN 1966
APPROVED I M R
DATE Jul. 22/66

2200 0121 (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

2200 0121 (076

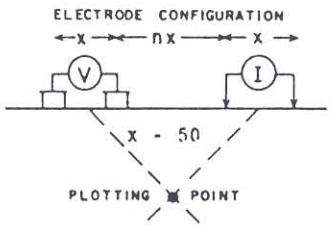
DWG. NO.-I.P.-2392-B

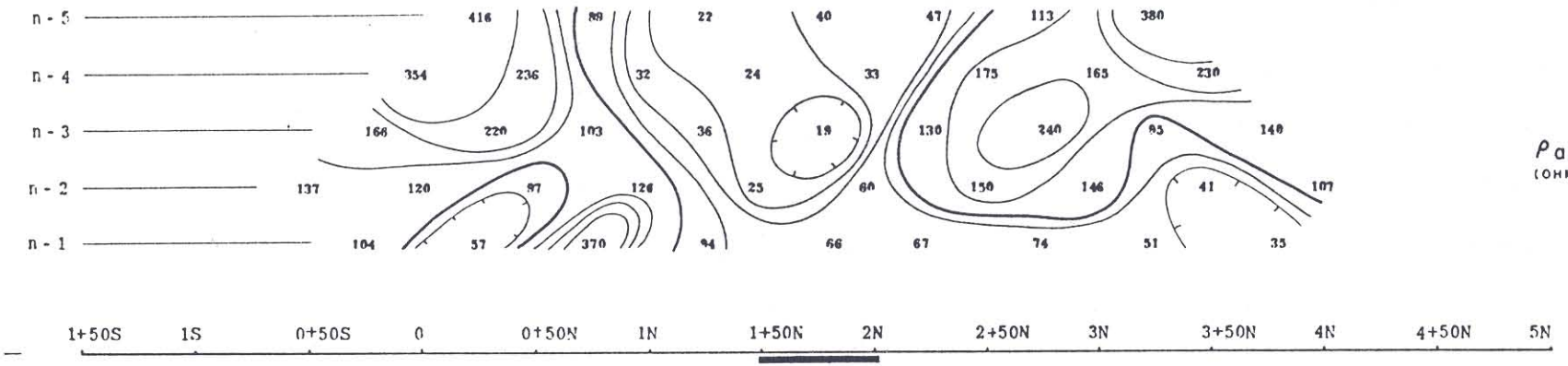
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

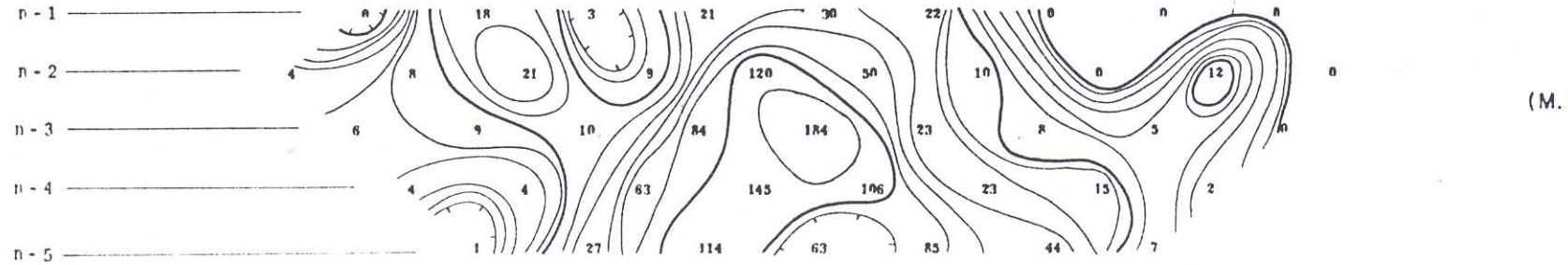
NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100

ELECTRODE CONFIGURATION





Pa/2π (OHM FEET)



(M.F.) a

LINE NO.- 4 W

WALKER-MARTEL MINING COMPANY

WILD HORSE CANYON PROSPECT, MINERAL CTY., NEVADA - U. S. A.

Scale - One inch = 50 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE ——————

PROBABLE ▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪

POSSIBLE / / / / / / / / /

FREQUENCY 0.05-1.25 C.P.S.

DATE SURVEYED JAN. 1966

APPROVED J.M.B.

DATE Feb. 22/66

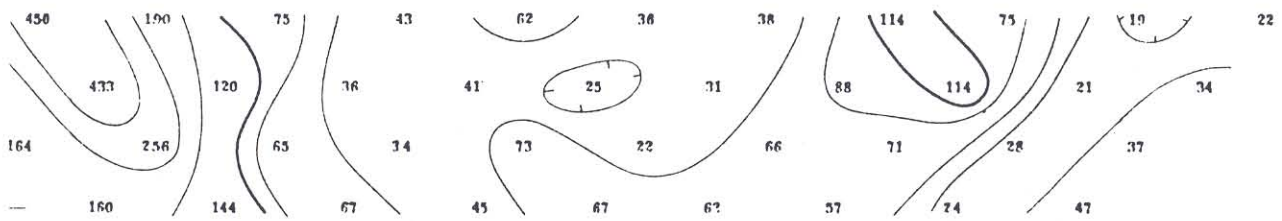
2200 0121 (0760)

DWG. NO.-I.P.-2391-8

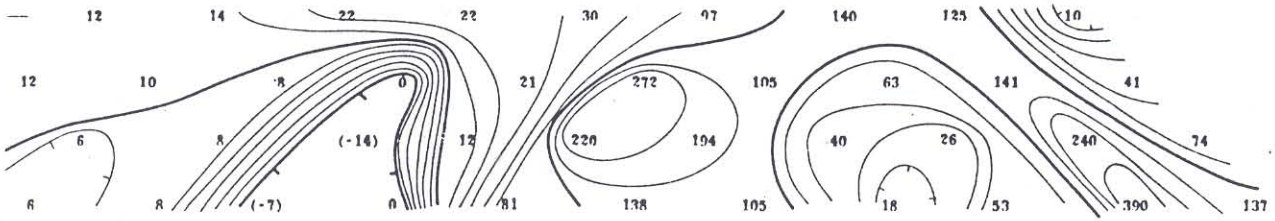
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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



$Pa/2\pi$
(OHM FEET)



(M.F.) a

LINE NO.-"B"

WALKER-MARTEL MINING COMPANY

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

Scale-One inch = 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

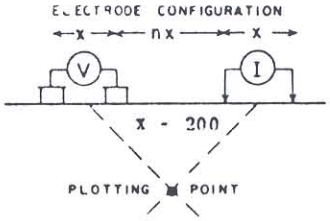
FREQUENCY 0.625 CPS

DATE SURVEYED JAN 1966

APPROVED J. M. B.

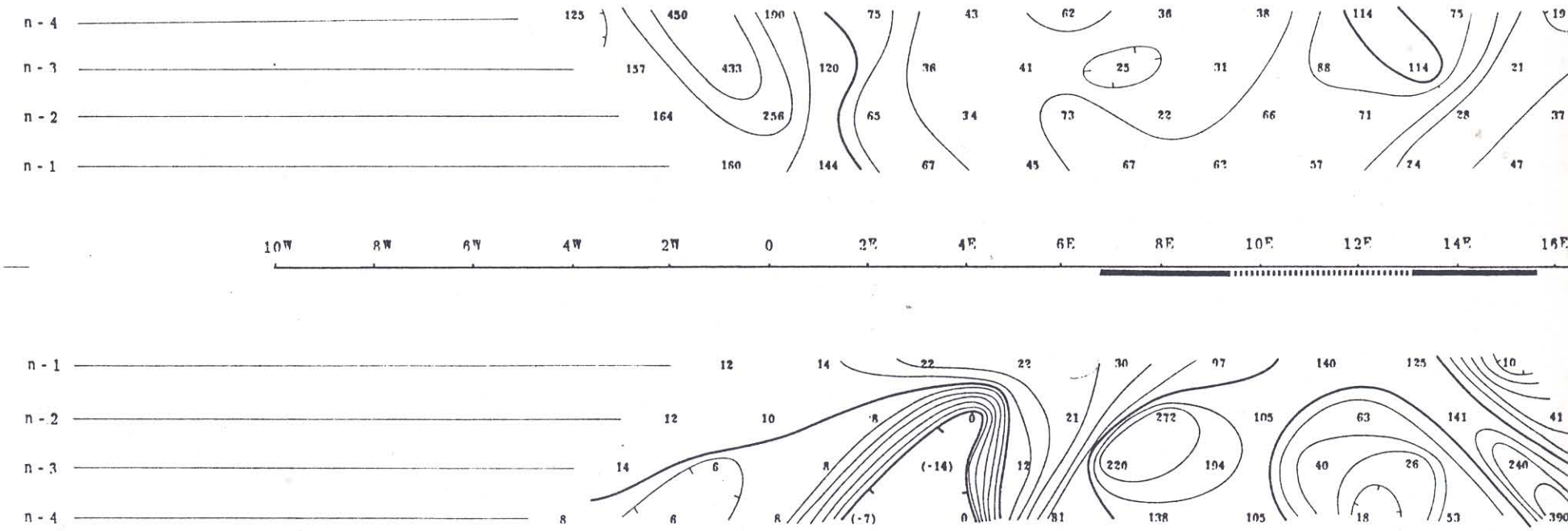
DATE Feb. 22/66

2200 0121 (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

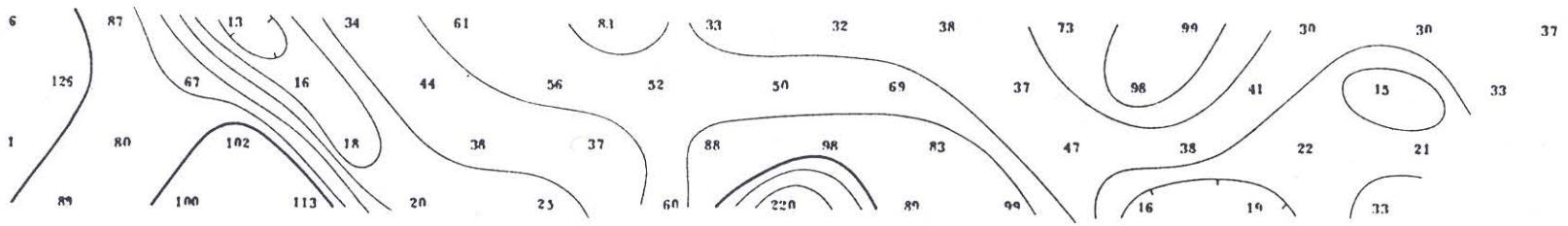
2200 0121 (0760)

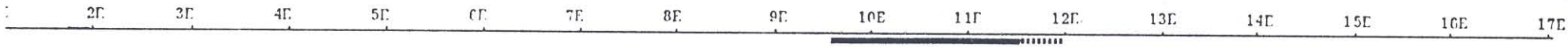
DWG. NO.-I.P.-2391-9

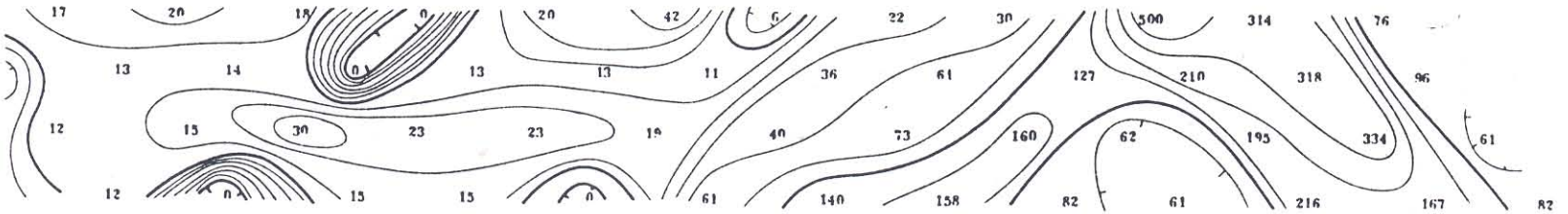
McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

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







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

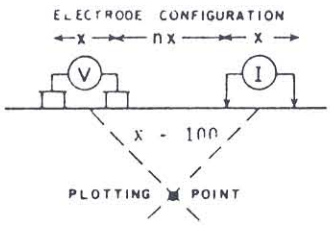
FREQUENCY 0.05-1.25 C.P.S.

DATE SURVEYED JAN 1966

APPROVED

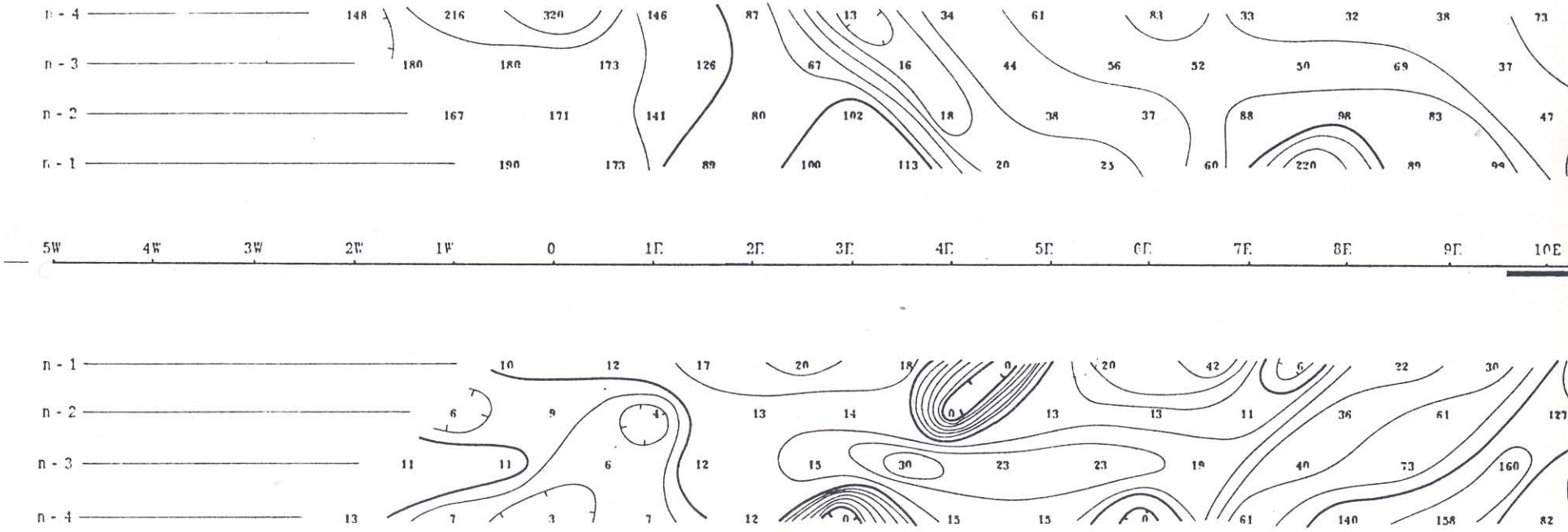
DATE

2200 0121 (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

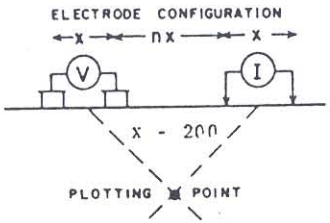
2200 0121 (0760)

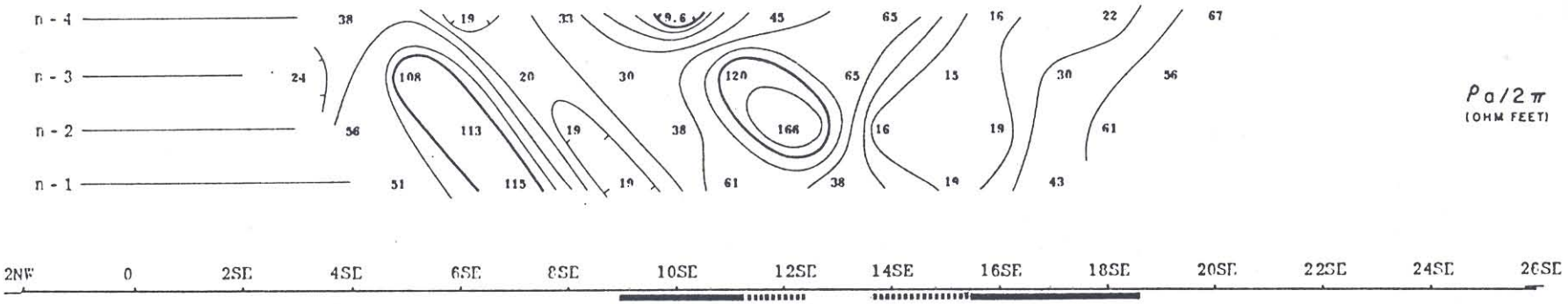
DWG. NO. - I.P. 2591-10

McPHAR GEOPHYSICS LIMITED

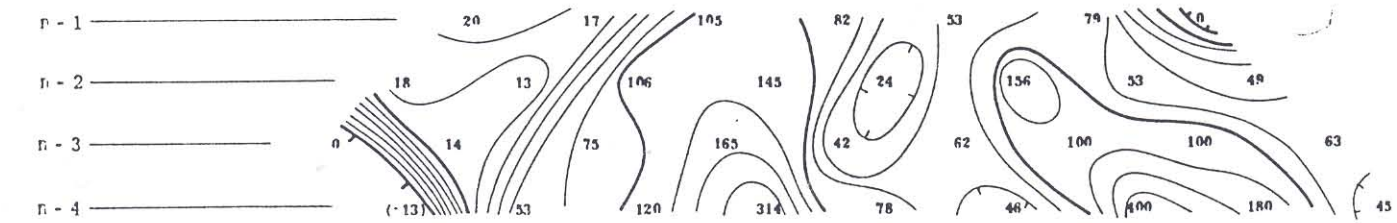
INDUCED POLARIZATION AND RESISTIVITY SURVEY

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





Pa/2π
(OHM FEET)



(M.F.) a

LINE NO.- B2 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. 21/66

McPHAR GEOPHYSICS LIMITED

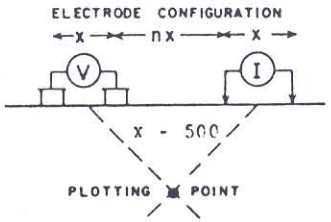
2200 0121 (0760)

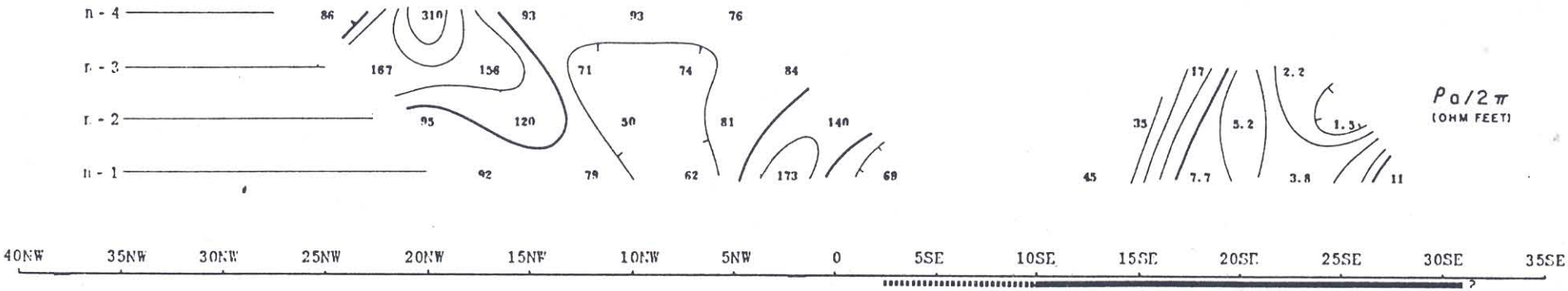
DWG. NO.-I.P.-2391-11

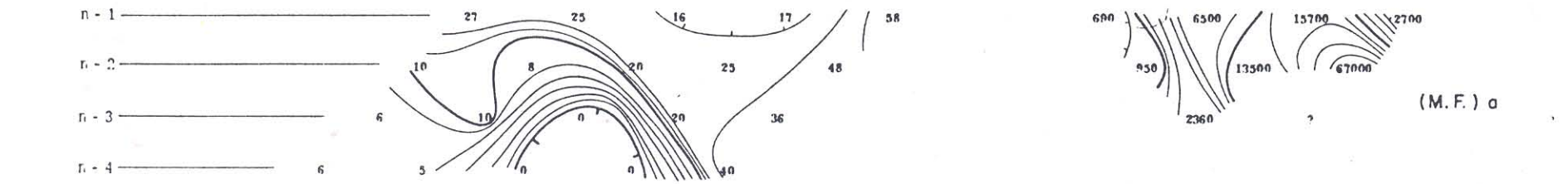
McPHAR GEOPHYSICS LIMITED

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. 21/66

McPHAR GEOPHYSICS LIMITED

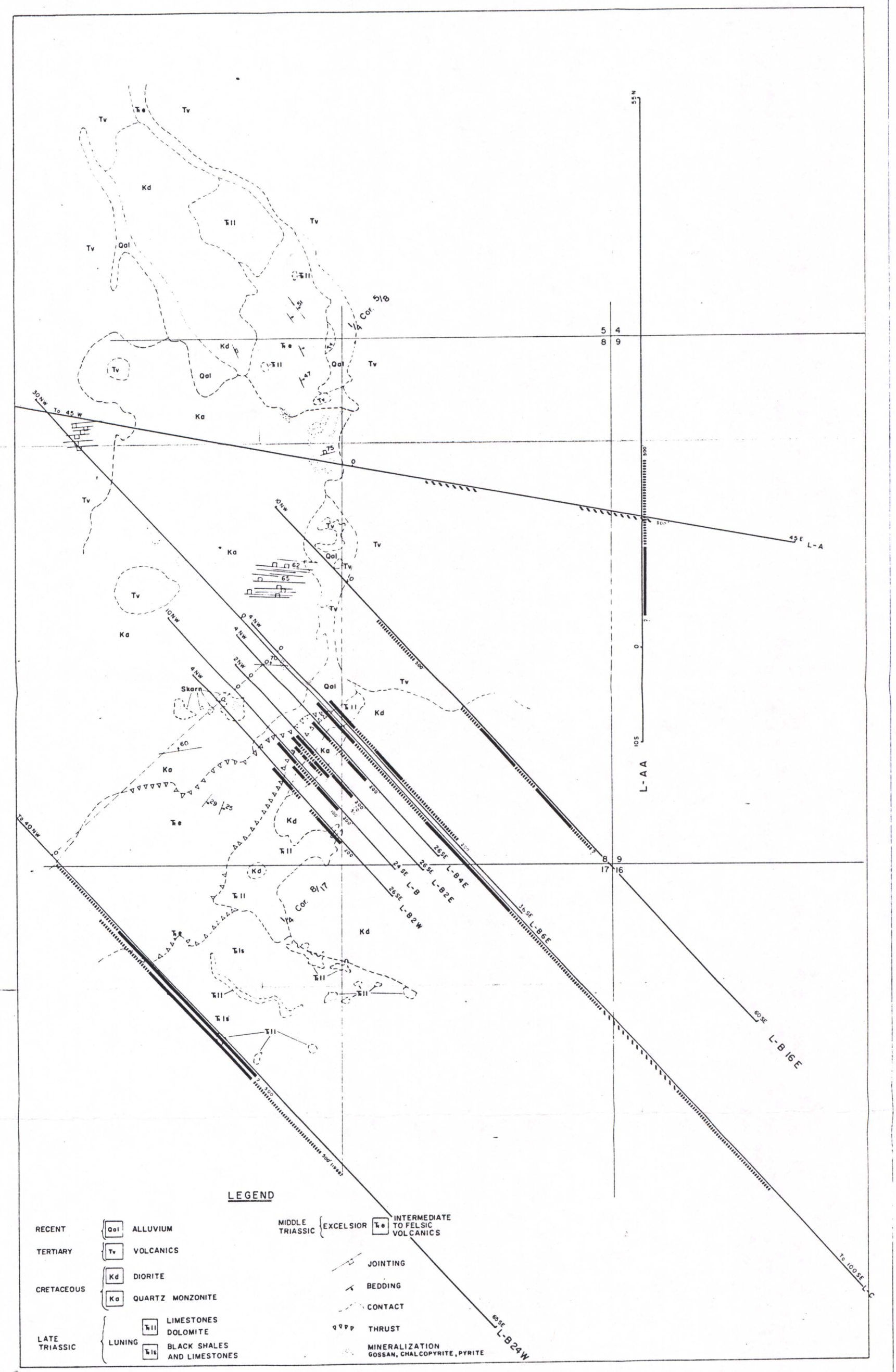
2200 0121 (07760)

DWG MISC. 3151 R

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	Tll	LIMESTONES DOLOMITE
	Tls	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

One Inch = Five Hundred Feet

DRAWN McPHAR GEOPHYSICS LIMITED

DATE FEB. 1966

APPROVED J. M. B.

DATE Feb. 22/66

#13

DWG MISC 3151 R