# Open File Envelope No. 726

## SML 90

## OLARY NORTH

## PROGRESS REPORTS FOR THE PERIOD 1/8/1965 TO 31/7/1967

Submitted by
Mines Exploration Pty Ltd
1967

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Government of South Australia
Department of State Development

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TENEMENT S.M.L. 90

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TENEMENT HOLDER MINES EXPLORATION PTY. LTD.

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VOL. I.

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MINES EXPLORATION PROPRIETARY LIMITED
(Incorporated in the State of Victoria)

# SIX MONTHLY EXPLORATION REPORT

# SPECIAL MINING LEASE 90, OLARY, SOUTH AUSTRALIA

# TO 31st JANUARY, 1967.

Distribution

Copy No.: 1 Department of Mines, S.A.
2 Adelaide Office.

14th March, 1967.

004

## 1:00 INTRODUCTION

1:10 Work during the six months from 1st August, 1966 to 31st January, 1967 has been confined to the eastern (Olary) section of S.M.L. 90.

1:20 Induced polarization surveys were completed during the period.

1:30 Soil sampling was carried out over all geophysically anomalous zones, and ground magnetic surveying and geological mapping was conducted over certain of the more significant anomalous zones.

1:40 An independent stream sampling geochemical survey was continued, and had reached an advanced stage by 31st January.

1:50 Diamond drilling of an initial test hole on the most significant I.P. anomaly located in the Olary area was completed.

## 2:00 GEOPHYSICS

### 2:10 Induced Polarization

Induced polarization surveys were completed in the area on 11th September, 1966 when the crew was withdrawn from the area. Then, as a quick check on the value of early stream sampling geochemical results, this crew was returned to the area from 26-27th September in order to carry out a short survey in the Putt's Well area. Total advance for the period was 54.5 line miles.

### 2:11 Reconnaissance I.P. Surveys

Reconnaissance I.P. surveys were conducted over the 'corridor' of mica schists extending from Old Boolcoomata Homestead to approximately one mile east of Cathedral Rock. The more easterly of the five lines surveyed were reduced in length, so that each line extended only a short distance into less potential granite to the north and granite gneiss to the south of the east-west trending zone of mica schists. Five reconnaissance lines (400E to 560E inclusive) were surveyed at 400' electrode spacing, involving a total advance of 13 line miles.

A very high order anomaly was located on the northern end of Line 400E near the old Lady Louise copper prospect. Other much weaker anomalies were recorded on the other four lines within the general zone of mica schists.

### 2:12 Follow-up I.P. Surveys

Detailed follow-up I.P. surveys involved by far the greater portion of August and September, a total advance of 41.5 line miles being carried out.

The high-order Abminga anomaly, some 3 miles NNW of Olary township, which had earlier been located on reconnaissance grid lines 320E, 360E and possibly 400E was first checked with detailed I.P. surveys. Each of the above three lines was resurveyed on a bearing of 310°, normal to the strike of the anomaly, and then an additional detailed grid of seven lines was pegged and surveyed on this new bearing.

005

Following completion of this detailed grid, the anomalous zone had been surveyed at approximately 1,000' intervals along a strike length of some 10,000'.

The Lady Louise anomaly, approximately 1 mile SSE of Old Boolcoomata Homestead was also checked and confirmed with parallel lines (390E, 405E and 410E) and electrode spreads reduced from 400' to 50' on the original 400E reconnaissance line.

The remaining I.P. follow-up surveys were conducted over the anomalies located in the Old Boolcoomata-Cathedral Rock area and several weakly anomalous zones in the Outalpa area which had not previously been checked in detail (Lines 40E and 280E).

Finally, on 26-27th September three short lines were pegged and surveyed in the Putt's Well area, approximately 10 miles ENE of Old Boolcoomata Homestead. Initial stream sampling geochemical results had indicated a small anomalous copper area, and it was decided that a brief I.P. test be made in order to quickly establish the success of otherwise of this geochemical method in the area. Three lines, 940E, 945E and 950E were surveyed over the geochemically anomalous area and weak to moderate I.P. effects were recorded over skarn type rocks in which minor copper staining is evident.

## 2:20 Ground Magnetics

Immediately following completion of the I.P. survey, ground magnetic traverses were carried out over what were at that date considered to be the three most significantly anomalous zones, namely the Abminga and Lady Louise I.P. anomalies and the Putt's Well I.P. - geochemical anomaly. A total of 11.3 line miles was surveyed.

Ten traverses were completed over the Abminga anomaly on grid lines 310E to 400E inclusive.
Results confirmed the presence of an intermittently ouctropping B.I.F. horizon immediately south of and conformable with the I.P. anomaly, and also suggested the presence of a similar horizon immediately north of the anomalous zone, this latter area being almost wholly soil covered. However, no magnetic abnormalities appeared to be directly associated with the zone of anomalous I.P. effects.

Four ground magnetic traverses were conducted over the Lady Louise anomaly, and again, no significant magnetic effects were recorded over the zone of very high order I.P. effects. A generally higher background of up to 1,700 gammas recorded immediately north of the anomaly is no doubt due to the presence of amphibolite.

Results obtained on three traverses over the stream sediment geochemical - I.P. anomaly near Putt's Well were found to be quite highly irregular, as may be expected in this local area of quite high grade contact metamorphism.

## 2:30 Presentation of Results

All geophysical results are being presented in profile form in the folder accompanying this report, profiles present being listed at the end of the report.

For ease of correlation, ground magnetic results have been plotted on the appropriate I.P. profiles. The location of all geophysical lines is shown on Plan No. OD/17, "Plan of Stream Sediment Sampling and Geophysical Survey S.M.L. 90, Olary District", accompanying this report. The extent of I.P. coverage conducted during and prior to the six months under review and all anomalies located are indicated on this plan.

## 3:00 GEOLOGY

Geological inspections were made of all I.P. anomalies located in the 156 square mile eastern section of S.M.L. 90. Following these inspections and the results of soil sampling carried out over each anomaly, it was considered that detailed geological mapping was warranted over only two anomalous zones, those areas surrounding the Abminga and Lady Louise anomalies.

High order I.P. anomalies located at the southern ends of almost all lines of the Outalpa-Olary grid are almost certainly due to carbonaceous and pyritic sediments immediately above the unconformable Archean-Proterozoic contact. The lower order anomalies located in basement rocks in the Outalpa-Olary area were found to be invariably associated with generally discontinuous iron formations.

### 3:10 Abminga Anomaly

This high order anomaly was mapped at a scale of 1000' = 1" and revealed mica gneisses and schists, generally highly pegmatized, to be the dominant rock type, with lesser aplitic types.

Ground magnetometer results were confirmed by the presence of discontinuous outcrops of a narrow iron formation conformable with and immediately south of the anomalous zone. Four narrow but very persistent and weakly cupriferous quartz veins and several minor occurrences of graphitic mica schist were mapped within the anomalous zone, hence only meagre surface evidence was found to explain the magnitude of this anomaly. "Composite Plan, showing Geological and Geophysical Results, Abminga Area" accompanies this report (Plan No. OD/14).

### 3:20 Lady Louise Anomaly

Mapping at a scale of 1000' = 1" of an area surrounding the Lady Louise anomaly revealed very highly pegmatized mica schists to be the predominant rock type, but the anomaly itself was found to be directly associated with a strongly graphitic mica schist horizon, and apparently less significant epidote quartzites. Some 2500' east of the Lady Louise workings the old Black Maria copper prospect is located in a very prominent outcrop of the graphitic schist horizon. This rock type was traced for a further 1500' east to line 440E, where moderate I.P. effects were recorded. "Composite Plan, showing Geological and Geophysical Results, Lady Louise Anomaly" accompanies this report (Plan No. OD/14).

## 4:00 GEOCHEMISTRY

Both soil sampling as a follow-up check of geophysical anomalies and reconnaissance stream sediment sampling were undertaken during the period under review, and a total of 1,891 geochemical samples were submitted for

assay. All samples were analysed for copper, lead and zinc, analyses being carried out by the A.A.S. technique following a hot 25% $HNO_3$ leach on the -80 mesh fraction.

4:10 Soil and Bedrock Sampling

During September and October, 1966 a total of 839 soil samples were collected over all definite I.P. anomalies located in the eastern 156 square mile section of S.M.L. 90. All anomalies were sampled, irrespective of whether geological examination had revealed graphite/pyrite or iron formation sources. Approximately 35 anomalies were sampled in this manner, and generally results were not encouraging. However weak copper anomalies were recorded over both the Abminga and Lady Louise geophysical anomalies, but results in the latter area were not considered significantly high to warrant any further work.

As soil sampling over the Abminga anomaly was severely restricted due to extensive soil cover this area was resampled during November, a mobile auger drill being used to obtain weathered bedrock samples in soil covered areas and outcrop areas being similarly sampled by means of hand augering. Nine traverses, 310E and 390E, were resampled and 141 samples were obtained by mobile auger drilling and 58 samples by hand augering. Results indicated generally low order copper geochemical anomalies associated with the I.P. effects, with the strongest values (maximum of 860 p.p.m. Cu against a background of approximately 25 p.p.m.) being recorded on Line 380E, adjacent to the old Olary Silver Mine. On Line 330E a strong but narrow lead anomaly (maximum of 1210 p.p.m. Pb against a background of 15 p.p.m.) was recorded over moderately deep I.P. effects.

4:20 Reconnaissance Stream Sediment Sampling

The reconnaissance stream sediment geochemical sampling programme commenced during July, 1966 was completed early in October, a total of 782 samples being collected during the period under review. Initially this programme was designed to cover only selected lower potential areas within S.M.L. 90, but after early results had indicated that the method was applicable to this area, it was decided that the entire northern section of the area be sampled, irrespective of already completed I.P. coverage. A total of approximately 130 square miles has now been sampled.
Results have been plotted on a revised plan of the area, and Plans No. OD/17, OD/11, OD/12 and OD/13 "Plan of Stream Sediment Sampling and Geophysical Survey", showing sample numbers and corresponding copper, lead and zinc analytical results respectively, accompany this report.

4:21 Stream Geochemistry Follow-up

The detailed follow-up stream sampling programme was commenced during September, 1966, several weeks prior to the completion of reconnaissance sampling. After statistical analysis of regional results, Consultant Geochemist, Dr. P.R. Donovan selected a regional threshold of 28 p.p.m. Cu. Some 63 possibly anomalous samples from the first 528 regional stream samples collected were then reassayed using a 500 mg sample for five times sensitivity, and it was found that 28 of these samples recorded copper concentrations above the

chosen regional threshold.
Two distinct copper dispersion trains became evident on replotting the check assays, one south-west of Bimbowrie Homestead (Anomaly A) and the other obviously in the drainage area of the Lady Louise geophysical anomaly and old copper workings (Anomaly B). Smaller anomalies were revealed approximately 2 miles north (Anomaly C) and one mile south-east (Anomaly D) of Putt's Well Dam. As reported previously, Anomaly D was immediately checked with ground geophysics and soil sampling. Detailed check sampling of Anomalies A and C has been carried out but these results have not yet been plotted.

Plotting of results of reconnaissance sample numbers 600 - 1381 has been completed and some 207 samples above the chosen threshold of 28 p.p.m. Cu reassayed at five times sensitivity. These results have not been studied in detail as yet, but there appears to be less definition of anomalous dispersion trains in this north-eastern section of the area. This may well be related simply to regional geology, as amphibolites and iron formations tend to be more prevalent in this area, and hence the calculation of a separate threshold value may be necessary.
Although reconnaissance lead and zinc results have been plotted, to date no follow-up work has been carried out for these metals.

Future work planned on S.M.L. 90 involves the continued following-up of all possibly significant stream sediment copper geochemical anomalies. All such anomalies will initially be geologically inspected and, if warranted, check sampled in greater detail. An appraisal of the lead and zinc sampling results will similarly be made.

5:00 DIAMOND DRILLING

Following completion of the geophysical and follow-up soil geochemical programmes it was decided that only the Abminga anomaly was of significant interest to warrant further testing by diamond drilling. Although geochemical results had not been highly encouraging, surface mapping had failed to reveal any significant I.P. source along the 10,000' strike length of the anomaly.
It was decided that an initial test of the source of this anomaly would best be made on Line 330E, where auger drilling had indicated highly anomalous lead values and accordingly Borehole "A1" was collared on 8th December, 1966, collar details being as follows:

Co-ordinates : 330E, 352S (geophysical off-set grid).
Dip : -55°
Azimuth : 310°

This hole was completed at a depth of 958' on 12th January, 1967. A moderately strong zone of generally finely disseminated pyrite-pyrrhotite mineralization with occasional very minor associated chalcopyrite, galena and sphalerite was intersected from 45' - 400' in mica gneiss and schist, often highly pegmatised. Weak to moderate graphite developments occured from 268' - 288' and 306' - 318'. A quartz vein intersected from 299' - 306' contained strong pyrite and weak to fair chalcopyrite - galena - sphalerite mineralization. This is almost certainly the vein mapped on the surface for a strike length of some 1,800', in which prospectors' pits have frequently exposed very weak copper carbonate mineralization.

The nature of the sulphides present appears to have adequately explained the source of the high order I.P. effects and narrow geochemical anomaly recorded. Plan No. OD/16, "Cross Section on Line 330E" and drilling logs accompany this report.

Keith Rogers

J. K. Rogers
Resident Geologist

14th March, 1967.

## 1:00 LIST OF PLANS ACCOMPANYING REPORT

1:10 One plan entitled "Plan of Stream Sediment Sampling and Geophysical Survey. S.M.L. 90 Olary District, Showing Sample Numbers". Plan No. OD/17 at the scale of 1" = ½ mile.

1:20 One plan entitled "Composite Plan Showing Geological and Geophysical Results, Abminga Anomaly, Olary District". Plan No. OD/14 at the scale of 1" = 1,000'.

1:30 One plan entitled "Composite Plan Showing Geological and Geophysical Results, Lady Louise Anomaly, Olary District". Plan No. OD/15 at the scale of 1" = 1,000'.

1:40 One plan entitled "Plan of Stream Sediment Sampling, S.M.L. 90 Olary District. Showing Copper Values in P.P.M.". Plan No. OD/11 at the scale of 1" = ½ mile.

1:50 One plan as for 7:40 but showing lead values in P.P.M. Plan No. OD/12 at the scale of 1" = ½ mile.

1:60 One plan as far 7:40 but showing zinc values in P.P.M. Plan No. OD/13 at the scale of 1" = ½ mile.

1:70 One section entitled "Abminga (Olary) South Australia, Cross Section on Line 300E". Plan No. OD/16 at the scale of 1" = 100'.

1:80 List of I.P. Profiles in accompanying folder entitled "I.P. Profiles to accompany Six Monthly Exploration Report Special Mining Lease 90, Olary, South Australia to 31st January, 1967. Report No. 1967/5".

### OLARY I.P. LINES.

| Line No. | Spread. | Date. |
|---|---|---|
| 40E | 400' | 3-8-66 |
| 280E | 400' | 4-8-66 |
| 280E | 400' | 4-8-66 |
| 280E | 400' | 4-8-66 |
| 310E | 400' | 10-9-66 |
| 320E | 400' | 2-8-66 |
| 320E | 400' | 2-8-66 |
| 320E | 300' | 5-8-66 |
| 320E | 300' | 1-9-66 |
| 330E | 400' | 4-9-66 |
| 330E | 300' | 6-9-66 |
| 340E | 400' | 15-8-66 |
| 340E | 300' | 17-8-66 |
| 340E | 200' | 2-9-66 |
| 350E | 400' | 5-9-66 |

OLARY I.P. LINES (cont).

| Line No. | Spread. | Date. |
|---|---|---|
| 360E | 400' | 1-8-66 |
| 360E | 400' | 3-8-66 |
| 360E | 400' | 7-8-66 |
| 360E | 300' | 6-8-66 |
| 360E | 300' | 6-8-66 |
| 370E | 400' | 4-9-66 |
| 370E | 300' | 7-9-66 |
| 380E | 400' | 15-8-66 |
| 380E | 300' | 17-9-66 |
| 380E | 200' | 2-9-66 |
| 390E | 400' | 3-9-66 |
| 390E | 400' | 30-8-66 |
| 390E | 400' | 16-8-66 |
| 390E | 300' | 6-9-66 |
| 400E | 400' | 14-8-66 |
| 400E | 400' | 1-8-66 |
| 400E | 300' | 16-8-66 |
| 400E | 200' | 18-8-66 |
| 400E | 100' | 3-9-66 |
| 400E | 50' | 4-9-66 |
| 403E (Geochem line) | 200' | - |
| 405E | 400' | 16-8-66 |
| 410E | 400' | 7-9-66 |
| 410E | 300' | 10-9-66 |
| 410E | 200' | 11-9-66 |
| 420E (Geochem line) | 100' | - |
| 440E | 400' | 20-8-66 |
| 440E | 300' | 1-9-66 |
| 440E | 300' | 5-8-66 |
| 440E | 300' | 31-8-66 |
| 480E | 400' | 20-8-66 |
| 480E | 400' | 30-8-66 |
| 480E | 400' | 25-8-66 |
| 480E | 300' | 31-8-66 |

OLARY I.P. LINES (cont).

| Line No. | Spread. | Date. |
|---|---|---|
| 520E | 400' | 29-8-66 |
| 560E | 400' | 4-9-66 |
| 940E | 200' | 26-9-66 |
| 945E | 200' | 27-9-66 |
| 945E | 100' | 27-9-66 |
| 950E | 200' | 27-9-66 |
| 40E | 400' | 24-6-66 |
| 80E | 400' | 14-6-66 |
| 120E | 400' | 8-6-66 |
| 160E | 400' | 28-5-66 |
| 200E | 400' | 25-5-66 |
| 240E | 400' | 27-6-66 |
| 280E | 400' | 4-7-66 |
| 320E | 400' | 6-7-66 |
| 360E | 400' | 8-7-66 |
| 360E | 400' | 26-7-66 |
| 400E | 400' | 11-7-66 |
| 400E | 400' | 27-7-66 |

2:00 APPENDIX

2:10 Drill Logs Borehole No. A1,
S.M.L. 90, Olary District, South Australia.

# MINES EXPLORATION PTY. LTD.

STATE SOUTH AUST. AREA OLARY HOLE No. A1

GRID GEOPHYSICAL CO-ORDS. 330E, 352S

R.L. SURFACE BEARING(Mag) 310° DIP -55°

S.McD.

| From | To | Recovery | CORE DESCRIPTION | C. to B. Angles° |
|---|---|---|---|---|
| 0 | 14 | | Oxidised qtz. felsp. biot. ser. Gneiss (only 6" recovered) | |
| 14 | 24 | | Qtz. felsp. musc. Pegmatite, with moderate Fe stng. | |
| 24 | 29 | | Qtz. felsp. biot. ser. Gneiss. Strongly oxidised and with blebs of limonite at 26'6". | |
| 29 | 31 | | Felsp. ser. Quartzite. Yellowish to pinkish-white in colour with numerous pits and strong Fe stng. Pits filled with limonite. | |
| 31 | 71 | | Qtz. felsp. biot. ser. Gneiss. Qtz. felsp. pegmatite from 36'-37' and minor pegmatised sections from 46'-49'. Generally strong lithological banding, as distinct from biot. foliation. Moderate oxidn. to 45' with weak Fe stnd. joints and frequent pits, and minor goethite after Py. Very strong Py. min. from 45'-46' as blebs and stringers parallel to foliation, and weak-fair Py. Min. from 46'-71' as f.g. disseminations and blebs. | |
| 71 | 116 | | Highly pegmatised qtz. felsp. biot. ser. Gneiss, in part tending to a c.g. felsp. biot. quartzite. Numerous short sections of qtz. felsp. pegmatite. Moderately Fe stnd. joints and fractures from 95'-98'. Weak-fair Py Min. throughout, with traces of Po. | |
| 116 | 133 | | Qtz. felsp. biot. ser. Schist, with strong foliation but only minor lithological banding. 1"-3" pegmatites at 126' and 132'. Moderate-strong Py-Po min. throughout, mainly finely disseminated, but also as stringers parallel to foliation., | |
| 133 | 254 | | Moderately Pegmatised qtz. felsp. biot. ser. Gneiss. Numerous sections of pure qtz. felsp. biot. pegmatite to 12" wide but pegmatisation generally erratic. Weak-moderate lithological banding in Gneiss. Chlorite occasionally present. Generally fair-moderate Po-Py min. throughout, mostly finely disseminated, but numerous ¼"-½" splashes Py from 232'-253'. Several specks Cp visible in Po splashes. | |
| 254 | 265 | | Qtz. felsp. biot. Pegmatite. F.G. and tending in part to c.g. felsp. biot. quartzite. Traces of finely dissem. Py-Po min. only. | |
| 265 | 285 | | Moderately Pegmatized qtz. felsp. biot. ser. Schist with pegmatite zones from ½"-12" wide. Weak graphite developments from 268'-280'. Moderate-strong Py-Po min. in schist but only traces in pegmatite. Weak Cp-AsPy in massive Py in quartz at 274'6"-275'. | |
| 285 | 288 | | C.G. qtz. felsp. ser. Pegmatite, with traces f.g. Py min. | |
| 288 | 299 | | Weakly pegmatized qtz. felsp. biot. ser. Schist. Moderate Py Min. and minor Po. | |

MACHINE F65 NX. 0' - 29' LOGGED BY J.K. ROGERS

DRILLERS T. DAVIS BX. WIRELINE 29' - 958' FINAL CORE STORAGE BURRA

COMMENCED 8.12.66 AX.

COMPLETED 12.1.67 EX.

015

McD.

| ASSAYS | | | | | | AVERAGE ASSAYS | | | | | | HOLE SURVEY | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | Width | | | | From | To | Width | | | | Depth | Mag. Az.° | Trop Dip° | Etch Dip° |
| | | | | | | | | | | | | 150 | 310 | 49½ | 49 |
| | | | | | | | | | | | | 300 | 312 | 40½ | 38½ |
| | | | | | | | | | | | | 500 | 314 | 28 | 28½ |
| | | | | | | | | | | | | 700 | 310 | 20 | 19½ |
| | | | | | | | | | | | | 900 | 311½ | 10 | 9 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Surveys Completed on 13.1.67. | | | |

# MINES EXPLORATION PTY. LTD.

016

STATE _____ AREA _____ HOLE No. A1

GRID _____ CO-ORDS. _____

R.L. _____ BEARING(Mag) _____ DIP _____

S.McD.

| From | To | Recovery | CORE DESCRIPTION | C. to B. Angles° |
|---|---|---|---|---|
| 299 | 306 | | Quartz vein. Strong Py and v. weak Cp min. from 300'6"-301'6" and weak-fair Py-Cp-Gn-Sl. min. from 303'-306'. | |
| 306 | 318 | | Qtz. felsp. biot. ser. Schist with scattered ½"-12" pegmatite zones. Moderately strong Py min. throughout as disseminations and stringers. 3/4" Py vein at 314'. Moderate graphite content. | |
| 318 | 339 | | M.g. qtz. felsp. musc. ser. Pegmatite. No notable min. | |
| 339 | 376 | | Qtz. felsp. biot. ser. and. Schist. Andals. f.g. rounded, generally surrounded by mus-cov. haloes and only v.weakly banded. Peg-matite from 340'-341'. Weak-fair Py-Po min. throughout as disseminations and stringers. Trace Cp min. associated with Po at 358' and 362'. | |
| 376 | 381 | | C.G. felsp. biot. Quartzite or f.g. qtz. felsp. biot. Pegmatite. Only traces f.g. Po min. | |
| 381 | 385 | | Qtz. felsp. biot. ser. and. Schist (as from 339'-376'). Moderate Py-Po min. throughout. | |
| 385 | 390 | | Greenish coloured qtz. felsp.(?). Ser. rock with brecciated appearance. Highly sericitic in part. 2" of moderately strong Gn (with minor Sl.) Min. in calcite veined zone at 386'6" and weak Gn in 1/8" wide calcite veins at 386' and 387'6". | |
| 390 | 490 | | Interbedded qtz. felsp. biot. ser. and. gar. staur. Schist and Gneiss, with lesser m.g. felsp. biot. Quartzite, latter chiefly from 390'394', 419'-426' and 439'-440'6". Both gars. and staurs. f.g.-m.g. sparse. Qtz. felsp. mica pegmatite from 449'-453'. Fair Py-Po min. to 398', then v.weak from 398'-490' as occasional f.g. disseminations, blebs and stringers. Traces Cp min. noted at 396', 411'6" and 484'6" associated with Po blebs. | |
| 490 | 517 | | Strongly Pegmatized qtz. felsp. biot. ser. and. gar. Schist and Gneiss and felsp. biot. Quartzite. Massive pegmatite from 494'-500' and 504'6"-513'. No apparent min. | |
| 517 | 598 | | Qtz. felsp. biot. ser. and. gar. staur. Schist, with minor felsp. biot. Quartzite sections. Andals, becoming mod. abundant but typically f.g. rounded. Gars. and staurs. f.g. sparse, latter with ragged outlines. Numerous pegmatite zones from 1"-24" from 565'-595'. Only v.minor traces Po min. as occasional weak stringers. Trace Cp min. in Po stringer at 584'. | |
| 598 | 635 | | Felsp. biot. Quartzite, tending in part to f.g. qtz. felsp. biot. Pegmatite. No apparent min. | |

# MINES EXPLORATION PTY. LTD.

STATE _____ AREA _____ HOLE No. A1

GRID _____ CO-ORDS. _____

R.L. _____ BEARING(Mag) _____ DIP _____

S.McD.

| From | To | Recovery | CORE DESCRIPTION | C. to B. Angles° |
|---|---|---|---|---|
| 635 | 770 | | Qtz. felsp. biot. ser. and. gar. staur. Schist, with minor interbedded felsp. biot. Quartzite. Andals. and gars. generally sparse and f.g. and staurs. f.g.-c.g. and erratically distributed. Minor 1"-3" pegmatites throughout section and larger pegmatite from 740'-741'. Apart from narrow Cp-Py stringer at 740', no apparent min. | |
| 770 | 958 | | Interbedded felsp. biot. Quartzite and qtz. felsp. biot. ser. and. gar. staur. Schist. Andals, gars. and staurs. as in previous section. Strong development of f.g.-m.g. gars in 9" biot. chlor. selvage zone at 737' with associated v.weak Po-Cp min. Pegmatite from 834'6"-836', 910'-911' and 923'-924', elsewhere occasional peg. zones to 3" width. Weak sericite rich shear zone from 915'-916' Traces Py-Po-Cp min. at 803', 828' and 841'6", elsewhere no apparent min. | |
| | | | END OF HOLE. | |

# MINES EXPLORATION PTY. LTD.

STATE SOUTH AUST. AREA OLARY HOLE No. A1

GRID CO-ORDS.

R.L. BEARING(Mag) DIP

S.McD.

| From | To | Recovery | CORE DESCRIPTION | C. to B. Angles° |
|---|---|---|---|---|
| RECOVERY LOG | | | | |
| 0 | 16 | 1'11" | | |
| 16 | 24 | 1'6" | | |
| 24 | 29 | 2'3" | | |
| 29 | 30 | 11" | | |
| 30 | 35 | 5'9" | | |
| 35 | 36 | 1'0" | | |
| 36 | 55 | 17'6" | | |
| 55 | 65 | 9'8" | | |
| 65 | 75 | 10'2" | | |
| 75 | 85 | 10'2" | | |
| 85 | 95 | 10'1" | | |
| 95 | 105 | 9'7" | | |
| 105 | 115 | 10'0" | | |
| 115 | 121 | 5'8" | | |
| 121 | 124 | 3'0" | | |
| 124 | 134 | 9'10" | | |
| 134 | 144 | 9'11" | | |
| 144 | 154 | 9'11" | | |
| 154 | 156 | 2'0" | | |
| 156 | 163'6" | 7'5" | | |
| 163'6" | 173'6" | 10'0" | | |
| 173'6" | 183'6" | 10'1" | | |
| 183'6" | 193'6" | 9'8" | | |
| 193'6" | 203'6" | 10'2" | | |
| 203'6" | 213'6" | 9'10" | | |
| 213'6" | 223'6" | 9'11" | | |
| 223'6" | 233'6" | 10'1" | | |
| 233'6" | 243'6" | 10'2" | | |
| 243'6" | 253'6" | 10'0" | | |
| 253'6" | 263'6" | 10'0" | | |
| 263'6" | 273'6" | 10'2" | | |
| 273'6" | 280 | 5'1" | | |
| 280 | 286 | 5'2" | | |
| 286 | 291 | 6'10" | | |
| 291 | 295 | 3'8" | | |
| 295 | 305 | 10'1" | | |
| 305 | 315 | 10'0" | | |
| 315 | 325 | 10'0" | | |
| 325 | 335 | 10'0" | | |
| 335 | 345 | 9'7" | | |
| 345 | 355 | 10'0" | | |
| 355 | 365 | 9'1" | | |
| 365 | 375 | 9'10" | | |
| 375 | 385 | 9'9" | | |
| 385 | 394 | 8'9" | | |
| 394 | 404 | 9'11" | | |
| 404 | 414 | 10'3" | | |
| 414 | 424 | 9'10" | | |
| 424 | 434 | 9'8" | | |
| 434 | 444 | 10'2" | | |
| 444 | 454 | 10'0" | | |
| 454 | 464 | 9'10" | | |
| 464 | 474 | 10'1" | | |
| 475 | 485 | 9'9" | | |
| 485 | 495 | 10'2" | | |
| 495 | 505 | 9'9" | | |
| 505 | 515 | 10'0" | | |
| 515 | 525 | 10'3" | | |
| 525 | 535 | 9'9" | | |
| 535 | 545 | 10'1" | | |
| 545 | 555 | 10'0" | | |
| 555 | 565 | 10'2" | | |
| 565 | 575 | 9'8" | | |
| 575 | 585 | 10'1" | | |

# MINES EXPLORATION PTY. LTD.

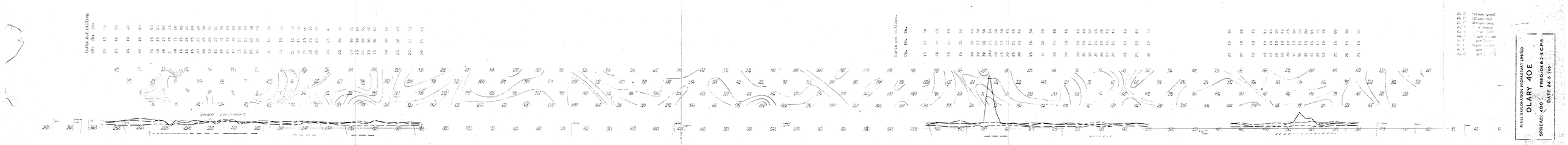
STATE SOUTH AUST. AREA OLARY HOLE No. A1

GRID CO-ORDS. 019

R.L. BEARING(Mag) DIP

S.McD.

| From | To/At | Recovery | CORE DESCRIPTION | C. to B. Angles° |
|---|---|---|---|---|
| | | | LITHOLOGICAL LOG | |
| 31 | 35 | | F = B = 35° - 40° | |
| | 39 | | B = 0° - 5° | |
| 39 | 46 | | F = 45° - 50° | |
| 46 | 54 | | F = 50° - 60° | |
| 54 | 60 | | B = 10° - 30°, F = 30° - 50° | |
| 60 | 66 | | F = B = 45° - 80° | |
| 66 | 67 | | B = 20° - 30°, F = 55° | |
| 67 | 70 | | F = 40° | |
| 78 | 84 | | B = 0° - 15°, F variable. | |
| 93 | 95 | | F = 50° - 70° | |
| 102 | 105 | | F = 60° - 75° | |
| 110 | 112 | | F = 40° - 45° | |
| 115 | 127 | | F = 40° - 50° | |
| 127 | 128 | | B = 10°, F = 45° | |
| 128 | 180 | | F = 50° - 60° | |
| 180 | 181 | | B = 0° - 20° | |
| 184 | 186 | | F = 70° - 80° | |
| 193 | 196 | | B = 10° - 35°, F variable. | |
| 196 | 205 | | F variable 55° - 80° | |
| 205 | 207 | | B = 0°, F variable. | |
| 207 | 214'6" | | F = weak B = 55° | |
| 214'6" | 215 | | B = 20° | |
| 215 | 232 | | F = 55° - 60° | |
| 234 | 254 | | F = 65° | |
| 266 | 267 | | B = 30° - 45° | |
| 267 | 280 | | F = 45° - 60° | |
| 280 | 285 | | F = 80° | |
| 288 | 289 | | F = 25° | |
| 289 | 299 | | F = 60° - 80° | |
| 306 | 318 | | F = 40° - 60° | |
| 318 | 376 | | F = 60° | |
| 385 | 388 | | F = 60° inc. → 80° | |
| 394 | 419 | | F = 60° | |
| 426 | 429 | | F = 45° | |
| 429 | 449 | | F = 60° - 70° | |
| 453 | 489 | | F = 60° - 70° | |
| 500 | 501 | | F = 80° | |
| 502 | 504 | | F = 75° | |
| 514 | 526 | | F = 75° | |
| 526 | 548 | | F = 85° | |
| 548 | 553 | | F = 60° - 70° | |
| 553 | 564 | | F = 70° - 75° | |
| 564 | 569 | | F = 60° - 70° | |
| 579 | 584 | | F = 60° | |
| 586 | 598 | | F = 70° | |
| 601 | 608 | | F = 70° - 80° | |
| 618 | 630 | | F indistinct = 60° inc. → 75° | |
| 635 | 639 | | F indistinct = 70° - 75° | |
| 639 | 671 | | F = 80° - 90° | |
| 671 | 689 | | F = 80° | |
| 689 | 691 | | F = 80° dec. → 60° | |
| 691 | 740 | | F = 80° - 85° | |
| 741 | 743 | | F = 45° inc. → 75° | |
| 743 | 769 | | F = 70° - 75° | |
| 769 | 881 | | F weak = 80° | |
| 881 | 896 | | F weak = 70° - 80° | |
| 896 | 958 | | F weak = 85° | |
| | | | END OF HOLE. | |


Parts per million.
Cu 100 ppm (green)
Pb 100 ppm (red)
Zn 200 ppm (blue)
Ag 1 ppm (purple)
Au 1 ppm (gold)
Mo 2ppm (brown)
Ni 50ppm (grey)
Sb 10 ppm (grey)
As 5 ppm
Hg 0.5 ppm
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 40E
SPREAD 400 FREQ 0.62.5 C.P.S.
DATE 24 & 7.66
ENV 726(2)-1

Cu 1" ppm (
Pb 1" 100 ppm (red)
Zn 1" 200 ppm (blue)
Ag 1" 1 ppm (brown)
Co 1" 50 ppm (black)
Mo 1" 10 ppm (orange)
Ni 1" ppm (purple)
Sn 1" 10 ppm (yellow)
As 1" ppm (
1 ppm (

295 240 120 240 360 818 205 316 462
580 145 140 226 273 239 157 386
480 193 140 150 195 174 198
701 190 84 100 143 200

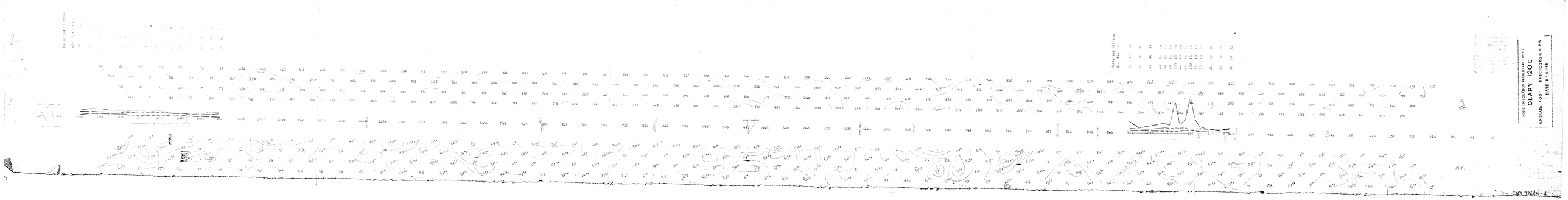
Creek
62S 58S 54S 50S 46S 42S 38S 34S 30S 26S 22S 18S
Cu Shaft
S Creek
S.D. Fence
Creek
14S 10S 6S

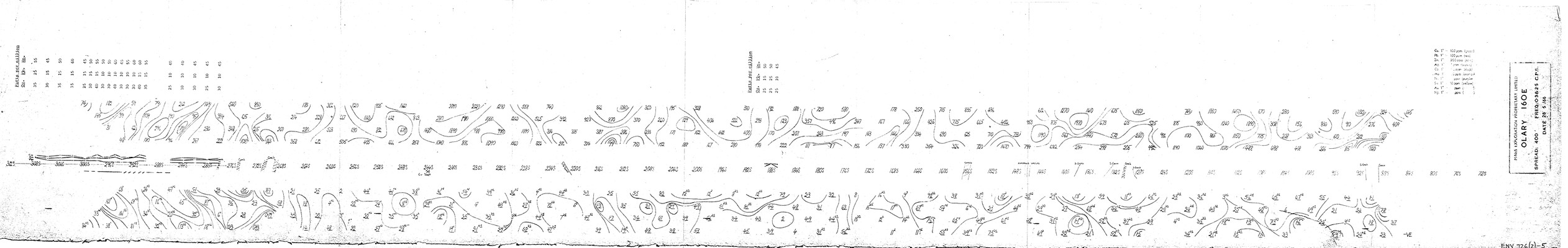
79 63 21 4 51 32 18 12 75
89 43 23 45 32 45 22 35 10 3 10 88
56 32 37 45 37 63 18 4 15 3 13 3 11 26
85 25 18 43 42 12 43 13 42 14 32 9 8 0 63 3 33

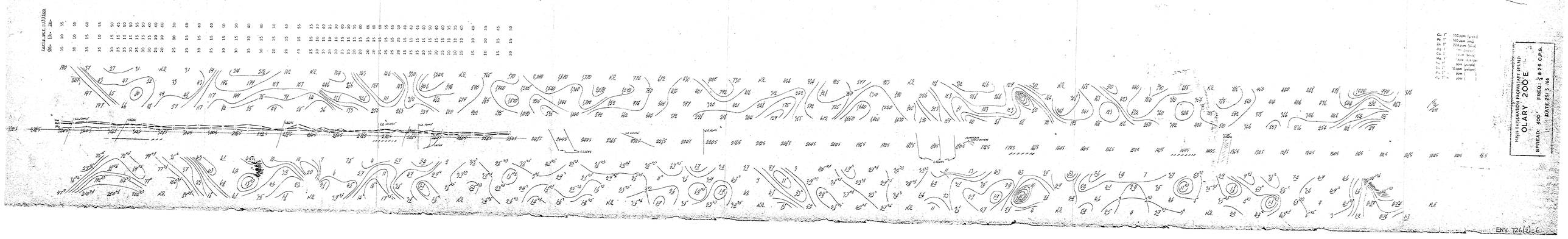
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 40E
SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.
DATE 3/8/66

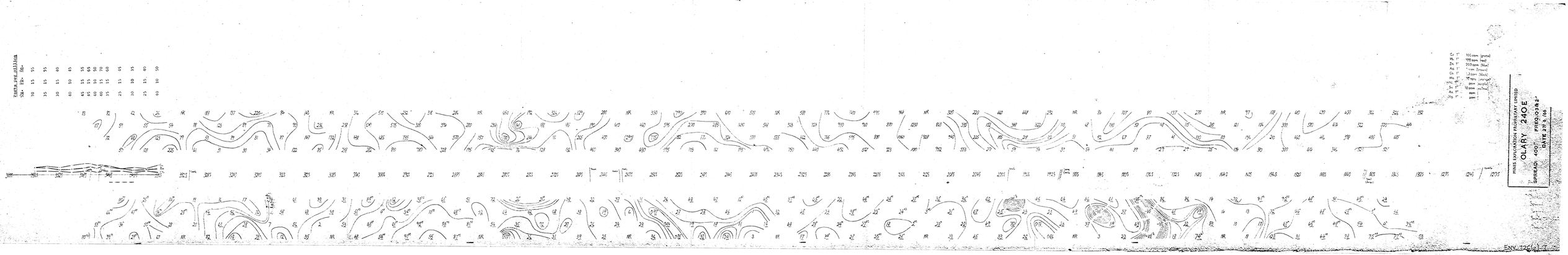
ENV 726(2)-2

PULSE EXPLORATION
OLARY 80E
SPREAD: 400' FREQ: 4 & 2.5 C.P.S.
DATE: 14/6/66
ENV 726(2)-3


MOBIL EXPLORATION PHILIPPINES LIMITED
OLARY 120E
SPREAD 600' FREQ.03625 C.P.S.
DATE 8 / 6 / 68
M.F.
ENV 726(2)-4

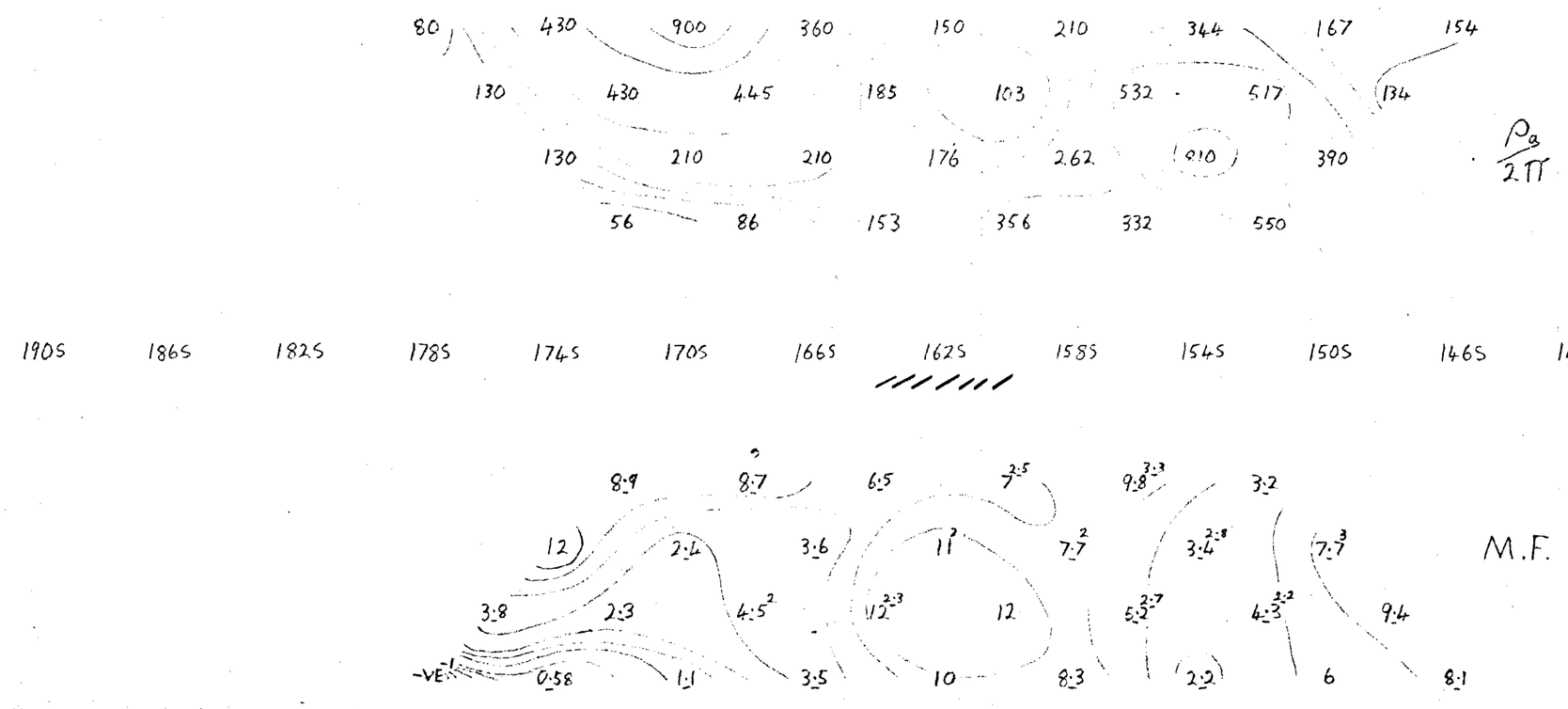

PLATE DISPLACEMENT
Sh- 25 Dr- 55
35 25 55
30 15 45
35 15 50
35 15 60
25 15 45
40 15 55
30 10 50
30 10 45
30 10 55
30 10 50
40 15 55
35 15
25 10 40
30 10 40
30 10 45
25 10 45
30 10
PLATE POSITION
Sh- 25 Dr- 55
25 15 50
25 15 55
25 15 45
Cu 1" - 100 ppm (pink)
Pb 1" - 100 ppm (red)
Zn 1" - 200 ppm (blue)
Ag 1" - 1 ppm (violet)
Mo 1" - 1 ppm (pink)
Ni 1" - 1 ppm (green)
As 1" - 50 ppm (yellow)
Au 1" - 1 ppb
Ir 1" - 20 ppb
MINES EXPLORATION (PROPRIETARY) LIMITED
OLARY 160E
SPREAD: 400 FREQ:0.5&2.5 C.P.S.
DATE: 25.5.16
ENV 726(2)-5


1983 MAGNETOMETER PARAMETER FIELD
OLARY 200E
SPREAD: 400' FREQ.: 1 & 2.5 C.P.S.
DATE: 25/5/83
ENV. 726(2)-6


SAMPLE SPACING
50m - 10m - 50m
10 15 55
35 15 55
30 15 40
40 10 45
45 15 55
45 15 65
40 10 50
40 15 60
35 15 55
25 15 45
30 10 35
25 15 40
40 10 50
Cu 1"
Pb 1"
Zn 1"
Ag 1"
Co 1"
Mo 1"
As 1"
Sb 1"
Bi 1"
100 ppm (gray)
100 ppm (red)
200 ppm (blue)
1 ppm (brown)
1 ppm (black)
10 ppm (orange)
ppm (purple)
10 ppm (yellow)
ppm
ppm
PRIME EXPLORATION (1979) LIMITED
OLARY 240E
SPREAD: 400' PROJ. 038.2°
DATE 27/5/86
ENV-126(c)

Parts per million
Co, Ni, Cu.
20 15 55
15 15 45
25 25 60
25 35 45
20 35 55
30 15 50
30 10 50
35 35 75
35 15 60
60 25 80
60 15 90
35 15 55
30 15 40
Parts per million
Co. Ni. Cu.
25 15 55
25 35 50
30 25 50
30 35 55
35 15 55
35 25 50
20 25 45
35 15 55
25 25 50
20 35 55
25 35 60
25 15 45
20 15 35
30 10 50
20 15 45
Parts per million
Co, Ni, Cu.
20 15 55
20 15 55
20 15 55
25 15 65
25 15 60
20 15 60
25 15 55
25 15 55
20 15 55
20 10 40
20 10 45
20 10 40
Parts per million
35 15 50
35 15 50
20 15 50
20 10 45
20 10 45
15 15 45
20 10 45
15 15 45
10 10 40
30 15 45
Co 1" 100 ppm (green)
Ni 1" 100 ppm (red)
Cu 1" 100 ppm (blue)
Co 1" 1 m (black)
Ni 1" 1 m (blue)
Cu 1" 1 m (orange)
Mo 1" 50 ppm (white)
Pb 1" 50 ppm (yellow)
Zn 1" 50 ppm (green)
Ag 1" 50 ppm (red)
PYRITES EXPLORATION PROPRIETARY LIMITED
OLARY 280 E
SPREAD 400 FREQ. 3 & 9.25 C.P.S.
DATE 4/7/66
Eny 124(2)-8

Cu. 1" 100 ppm (red)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm ( )
Sb. 1" ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

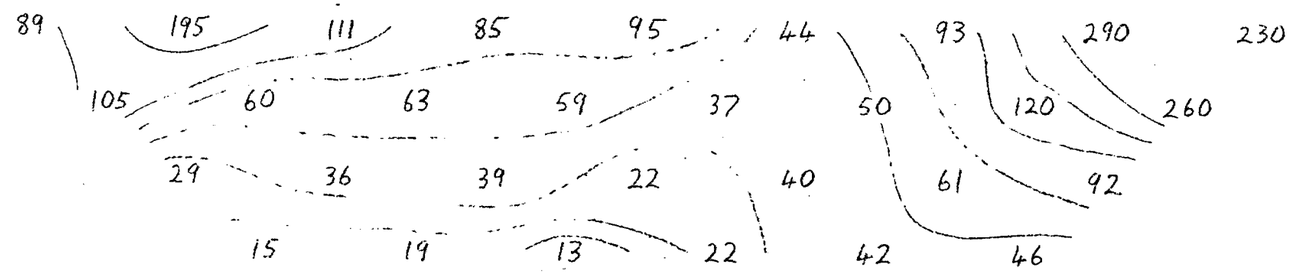
OLARY 280E

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

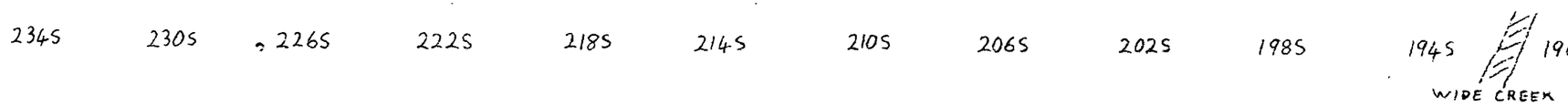
DATE 4/8/66

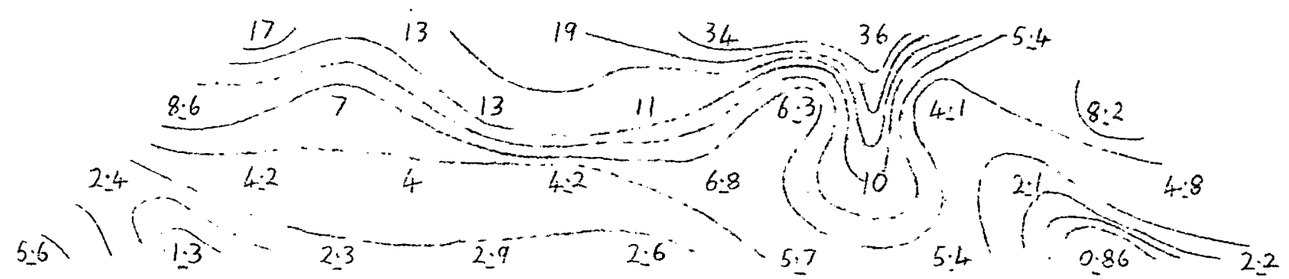
ENV 726 (2)-9

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm ( )
" ppm ( )




Pa
21T



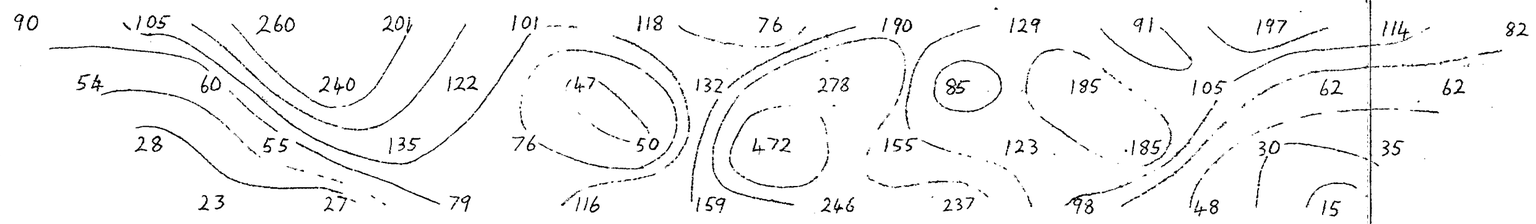




M.F

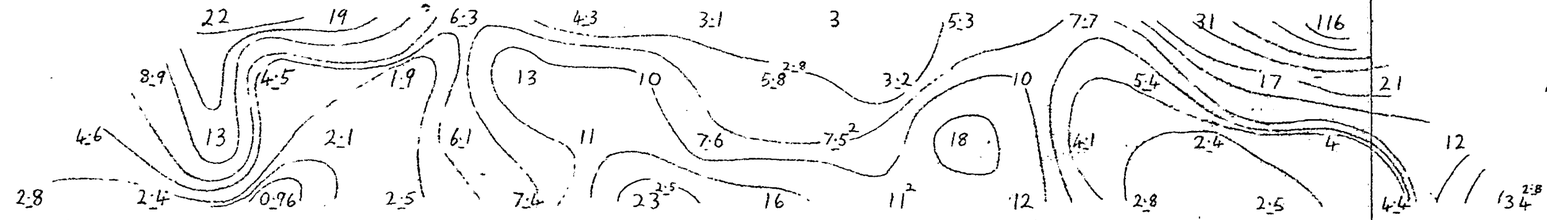
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 280E
SPREAD: 400' FREQ.: ·3 & 2·5 C.P.S.
DATE 4/8/66

ENV 726(2)-10

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
[illegible] 1" 10 ppm [illegible]
[illegible] 1" ppm [illegible]
1 [illegible]




2705 2665 2625 2585 2545 2505 2465 2425 2385 2345 2305 2265 2225 2185 2145 2105 2065 2025 1985




MINES EXPLORATION PROPRIETARY LIMITED
OLARY 280E
SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.
DATE 4/8/66

ENV 726(2)-11

BEDROCK SAMPLES

Parts per million

| Cu. | Pb. | Zn. |
|---|---|---|
| 40 | 15 | 115 |
| 100 | 15 | 50 |
| 50 | 10 | 60 |
| 65 | 10 | 65 |
| 105 | 10 | 65 |
| 65 | 10 | 65 |
| 75 | 25 | 80 |
| 100 | 60 | 195 |
| 175 | 30 | 270 |
| 55 | 20 | 70 |
| 45 | 20 | 70 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = [illegible] ppm (brown)
Co. 1" = [illegible] ppm (black)
Mo. 1" = [illegible] ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 31OE

SPREAD: 400' FREQ.: 3&2·5 C.P.S.

DATE 10/ 9 /66

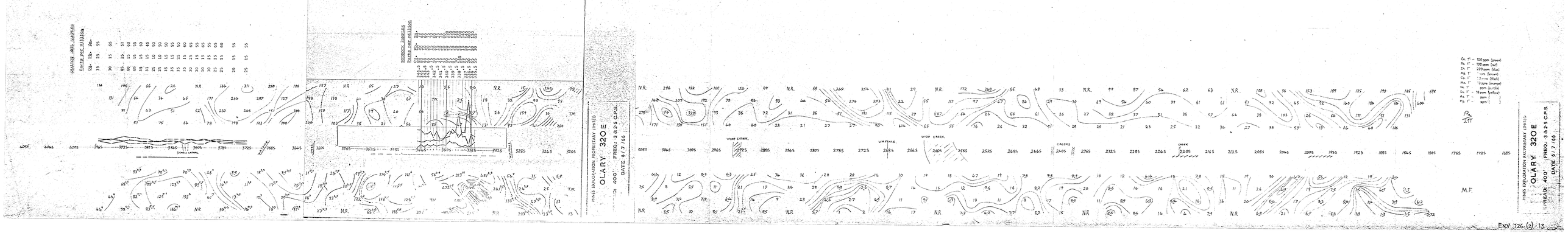
3735 3695 3655 3615 3575 3535 3495 3455 3415 3375 3335 3295 3255 3215 3175

S Creek

Track

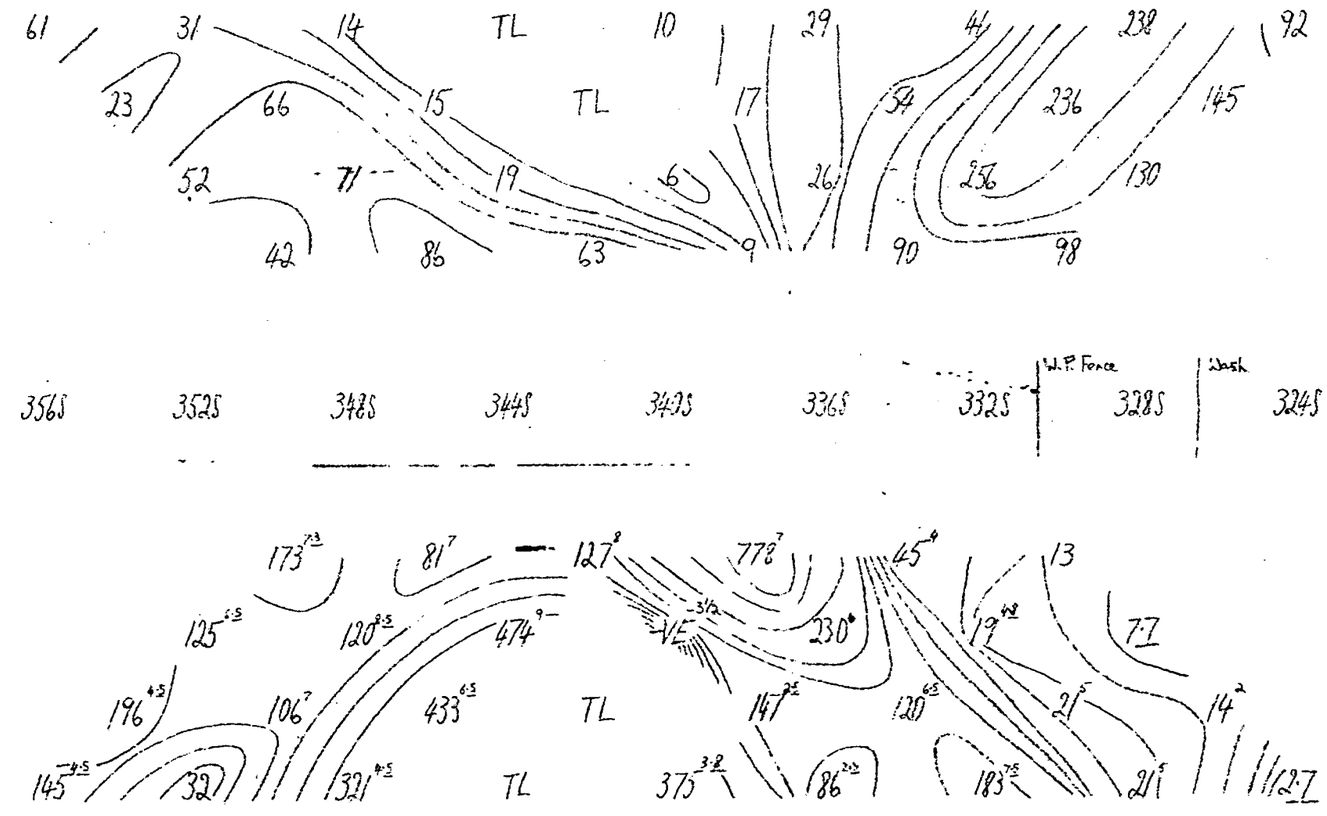
W.P. Fence

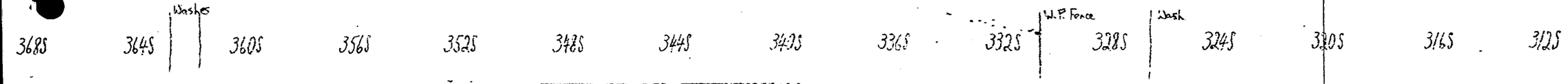
ENV 726 (2) - 12


SOIL SAMPLES
Cu ppm
Pb ppm
Zn ppm
ROCK SAMPLES
Cu ppm
Pb ppm
Zn ppm
Au ppb
Ag ppm
Cu - 100 ppm (green)
Pb - 100 ppm (red)
Zn - 200 ppm (blue)
As - 1 ppm (brown)
Sb - 1 ppm (black)
Ni - 1 ppm (orange)
Mo - 1 ppm (purple)
Cr - 10 ppm (yellow)
Au - 1 ppb
Ag - 1 ppm
N.R.
T.H.
WIDE CREEK
CREEK
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 320E
SCALE 1: 400 DRWG. 3825 C.P.S.
DATE 6.7.76
M.F.

ENV 726 (2) - 13

Cu. 1" 50 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
[illegible] 1" [illegible] ppm ([illegible])
[illegible] 1" 10 ppm ([illegible])
[illegible] 1" [illegible] ppm ([illegible])
[illegible] ppm ([illegible])







MINES EXPLORATION PROPRIETARY LIMITED

OLARY 320 E

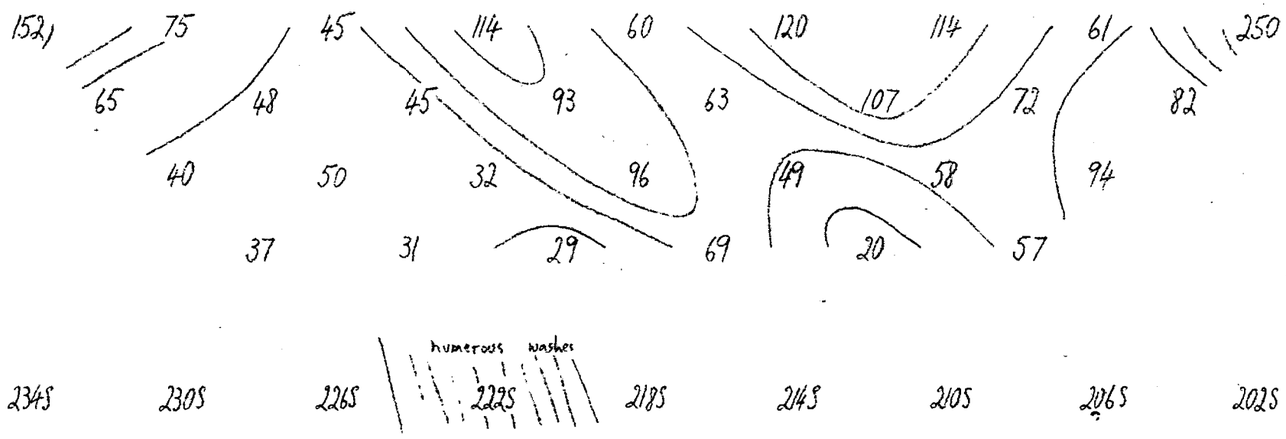
25° OFF

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 2 / 8 /66

ENV 726(2)-14

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm ( )
Fe. 1" ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

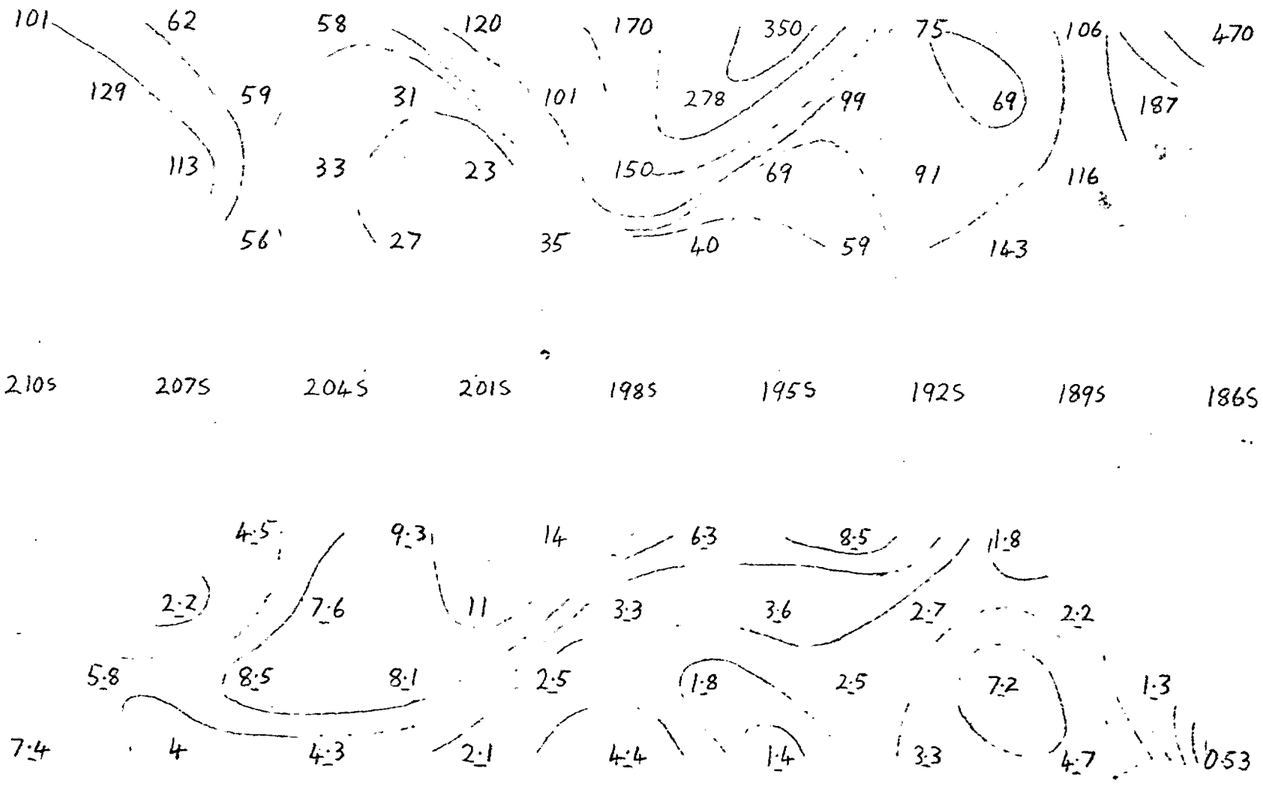
OLARY 320E

SPREAD: 400' FREQ.: ·3 & 2·5 C.P.S.

DATE 2/8/66

ENV 726(2)-15

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm ( )
Bi. 1" ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

OLARY 320E

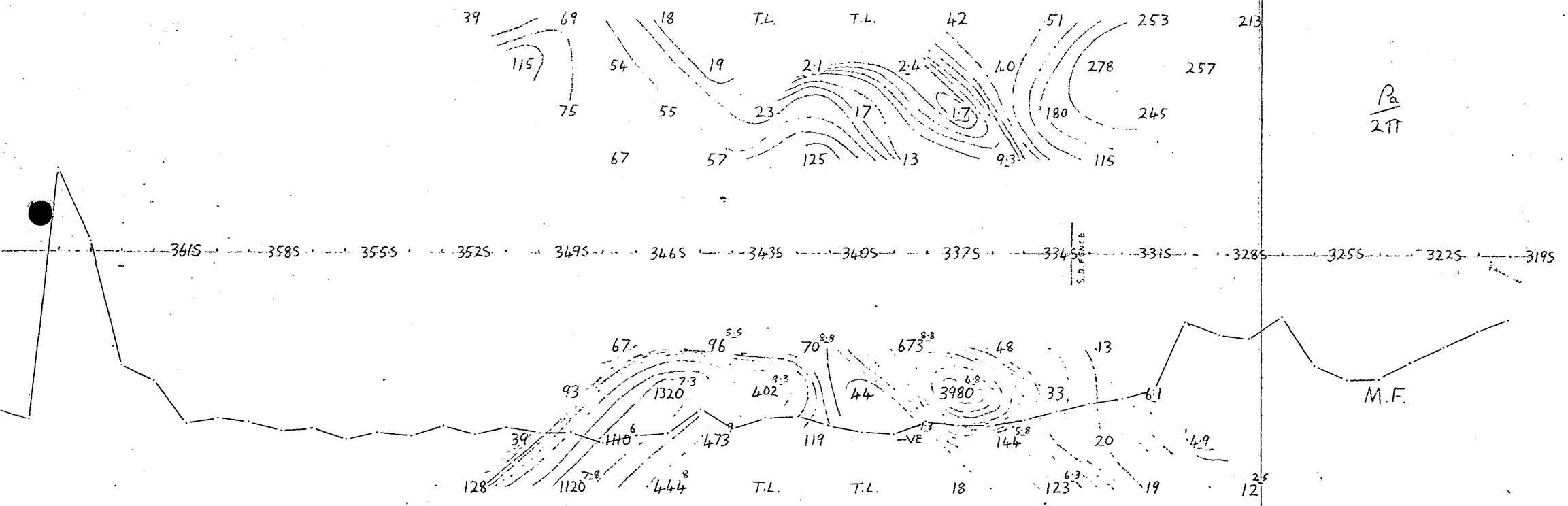
SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 5 / 8 / 66

ENV 726(2)-16

Cu. 1" 100 ppm (green)
Pb 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm ( )
Sb. 1" ppm ( )

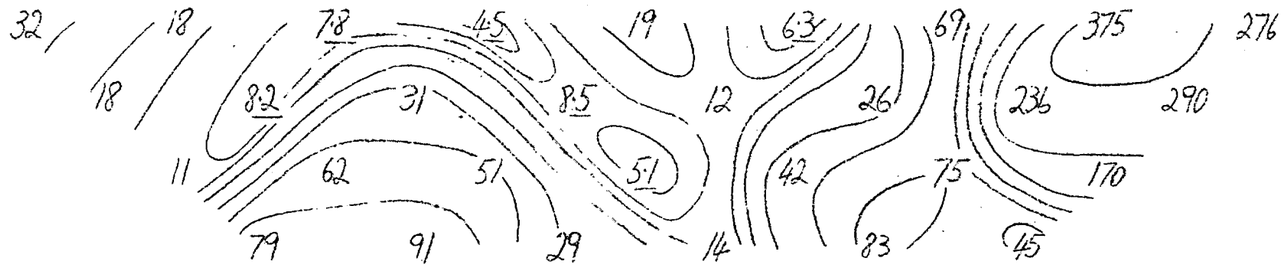
Ground Magnetics : 1" = 500 ft.

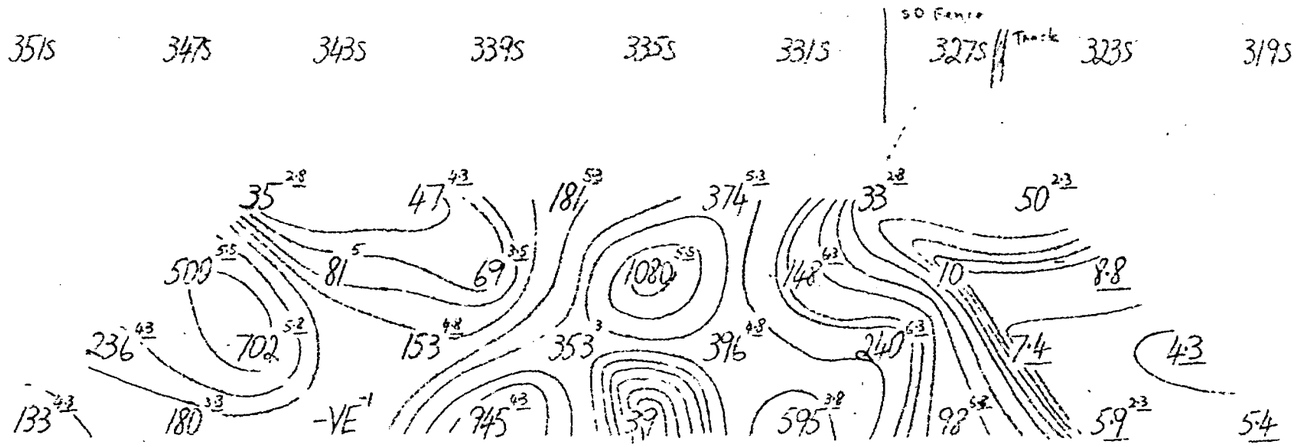



MINES EXPLORATION PROPRIETARY LIMITED
OLARY 320E.
25° OFF
SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.
DATE 1/9/66

ENV 726 (2) - 17

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
[illegible] 1" 10 ppm (yellow)
[illegible] 1" ppm ( )
[illegible] ppm ( )



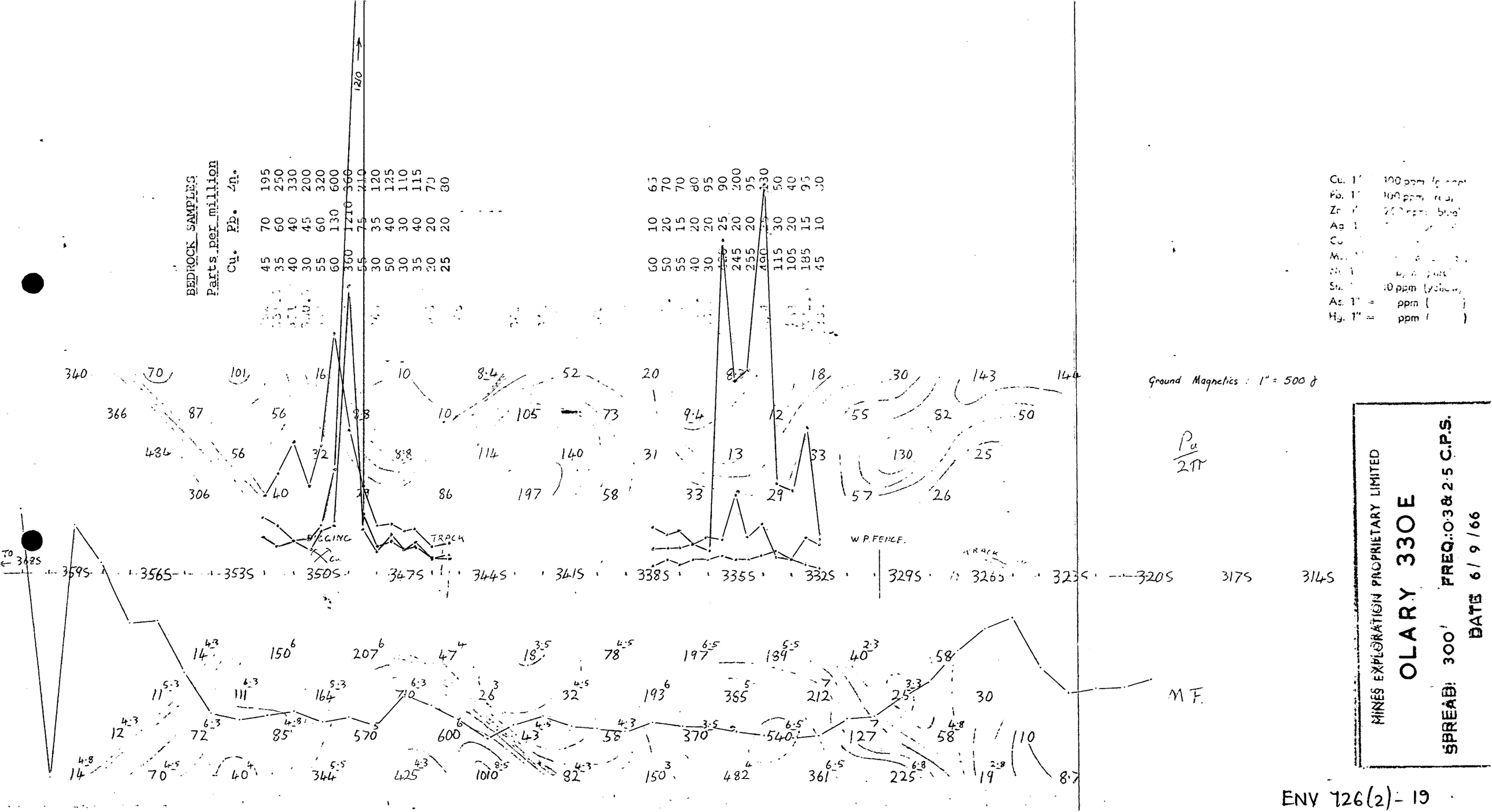

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 330E

SPREAD: 400' FREQ.:0·3&2·5 C.P.S.

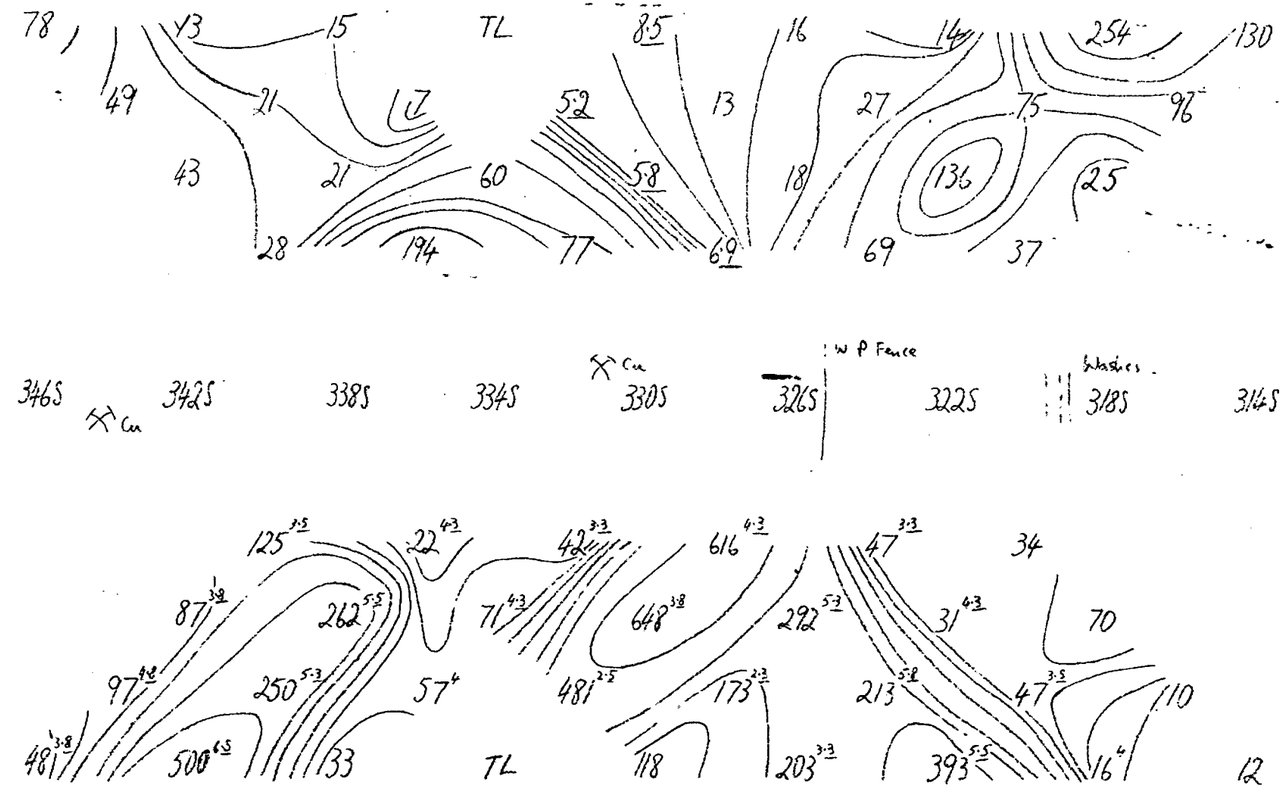
DATE 4/9/66

ENV 726(2) -18


BEDROCK SAMPLES
Parts per million
Cu. Pb. Zn.
Cu. 1" = 100 ppm (yellow)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = ppm
Co. 1" = ppm
Mn. 1" = ppm
Ni. 1" = ppm
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm
Hg. 1" = ppm
Ground Magnetics : 1" = 500 γ
Pa/2π
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 330E
SPREAD: 300' FREQ.: 0·3 & 2·5 C.P.S.
DATE 6/9/66
TRACK
W.P. FENCE.
TRACK
M.F.

ENV 726(2)- 19

Cu. 1" 100 ppm (
Pb. 1" 100 ppm (red)
Z.. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
. 1" ppm (purple)
1" 10 ppm (yellow)
ppm ( )
. 1" ppm ( )



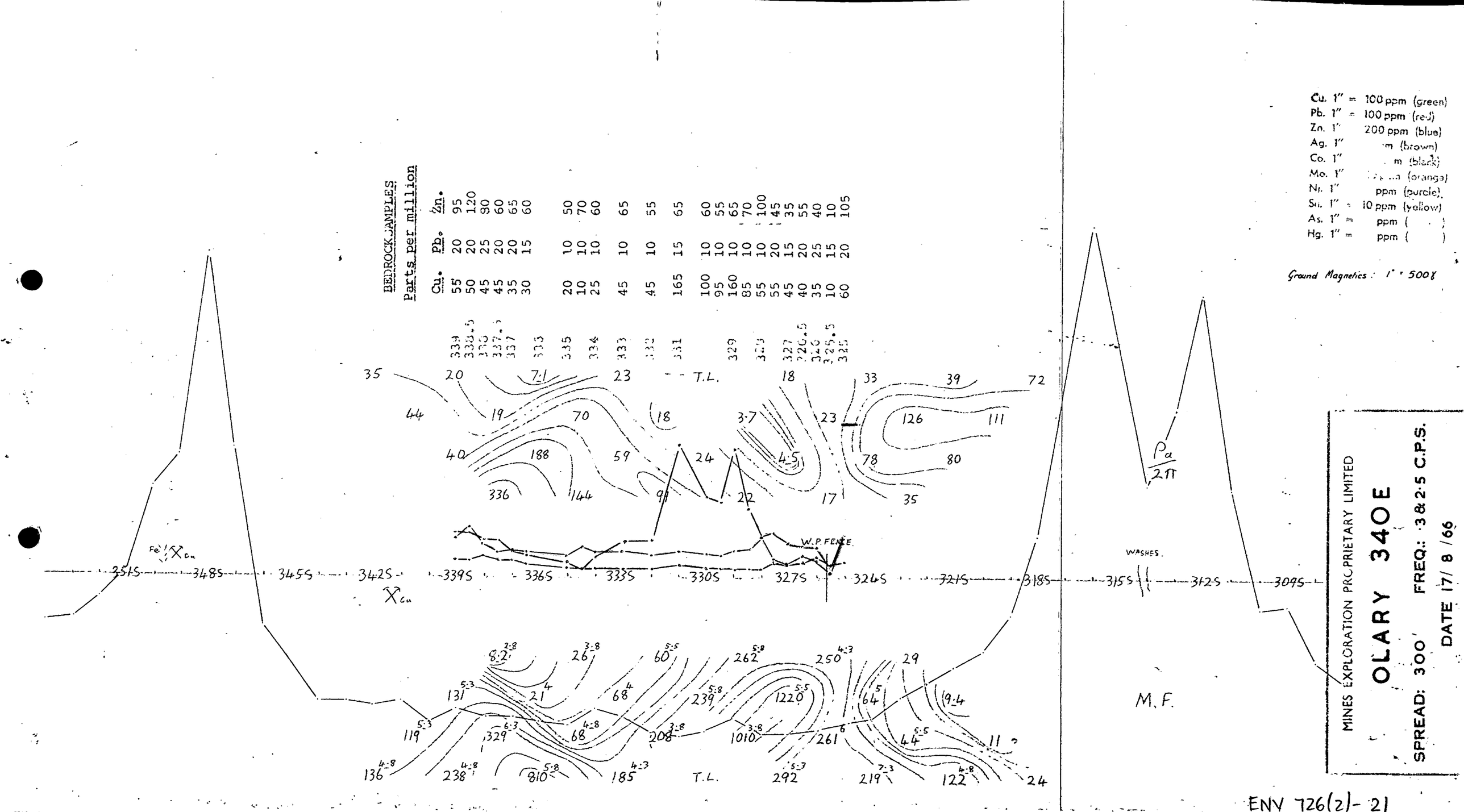

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 340 E

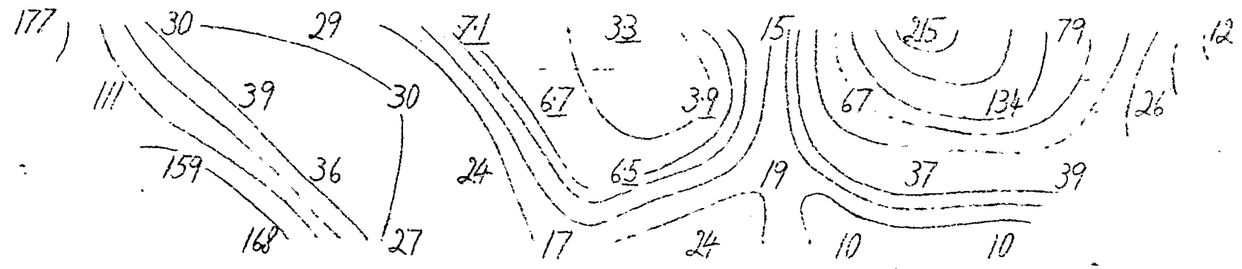
SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

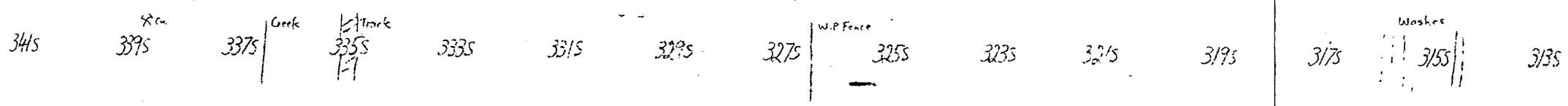
DATE 15/8/66

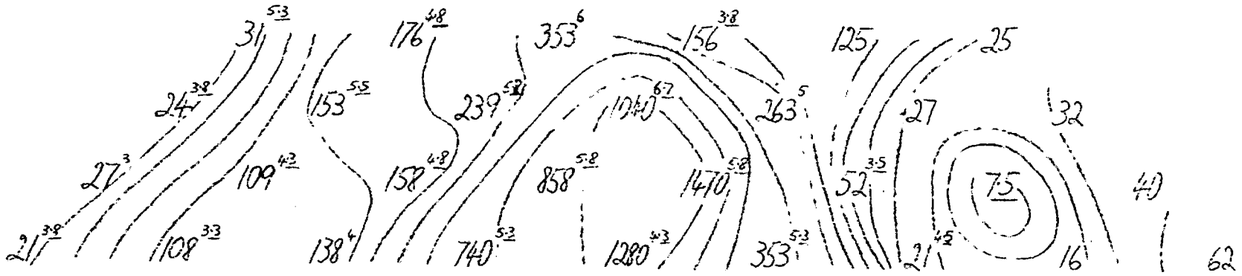
ENV 726(2)-20


BEDROCK SAMPLES
Parts per million
Cu. Pb. Zn.
55 20 95
50 20 120
45 25 80
45 20 60
35 20 65
30 15 60
20 10 50
10 10 70
25 10 60
45 10 65
45 10 55
165 15 65
100 10 60
95 10 55
160 10 65
85 10 70
55 10 100
55 20 45
45 15 35
40 20 55
35 25 40
10 15 10
60 20 105
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = m (brown)
Co. 1" = m (black)
Mo. 1" = m (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )
Ground Magnetics : 1" = 500γ
T.L.
W.P. FENCE
WASHES
M. F.
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 340E
SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.
DATE 17/ 8 /66
ENV 726(2)- 21

Cu. 1" 100 ppm (  )
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brn )
Co. 1" 50 ppm (bl )
Mo. 1" 10 ppm (orange)
 1" ppm (purple)
 1" 10 ppm (yellow)
 1" ppm ( )
 1" = ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

OLARY 340E

SPREAD: 200 ' FREQ.: ·3 &2·5 C.P.S.

DATE 2/9/66

ENV 726(2)- 22

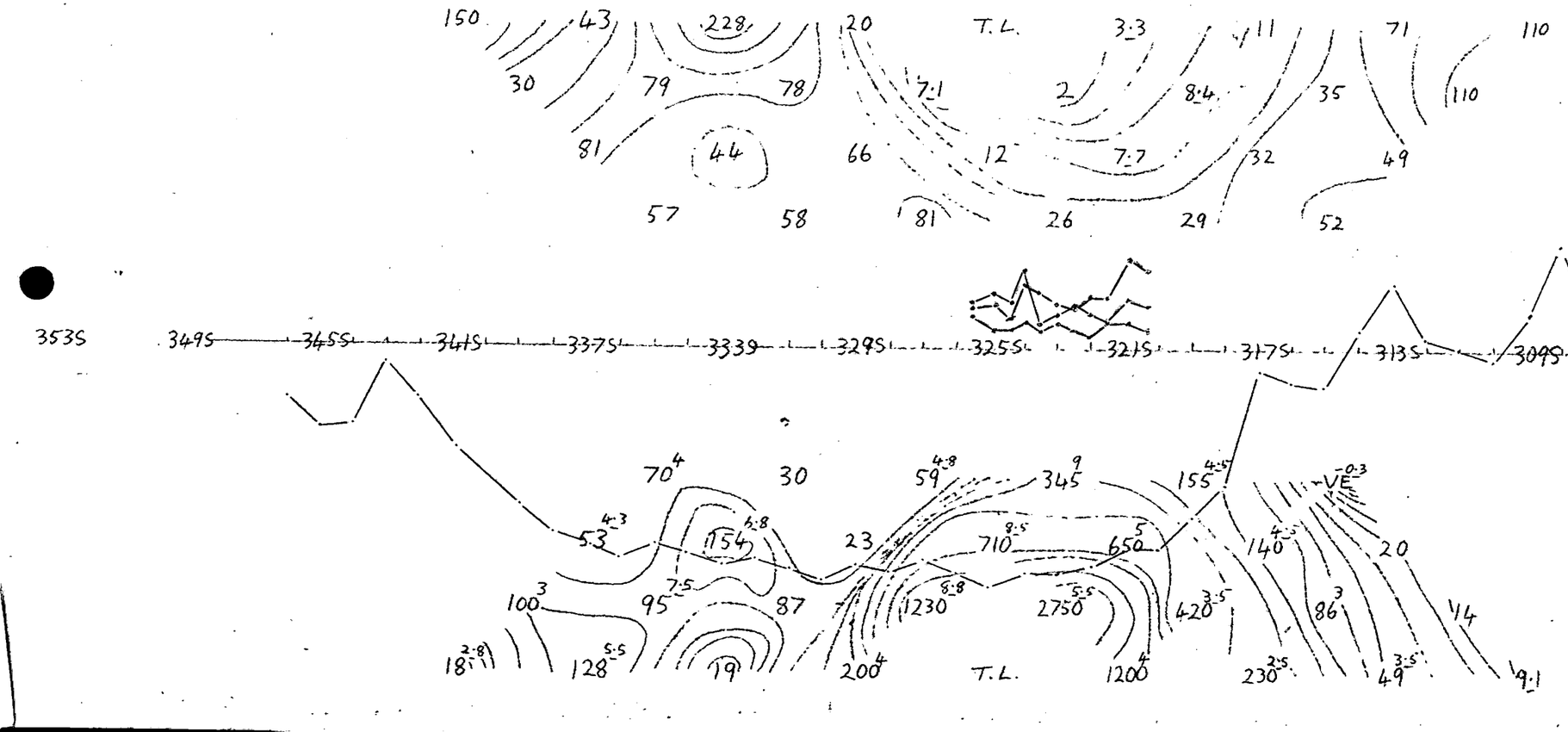
BEDROCK SAMPLES

Parts per million

| | Cu. | Pb. | Zn. |
|---|---|---|---|
| 325 | 30 | 25 | 70 |
| 323 | 35 | 15 | 85 |
| 322 | 45 | 15 | 700 |
| 324 | 60 | 20 | 120 |
| [illegible] | 55 | 15 | 35 |
| [illegible] | 35 | 20 | 55 |
| [illegible] | 30 | 15 | 70 |
| [illegible] | 40 | 10 | 55 |
| 321 | 540 | 20 | 45 |
| 320 | 560 | 20 | 80 |
| | 70 | 15 | 65 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = [illegible] (brown)
Co. 1" = [illegible] (black)
Mo 1" = [illegible] ppm (orange)
Ni. 1" = [illegible] ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = [illegible] ppm ( )
Hg. 1" = [illegible] ppm ( )

Ground Magnetics : 1" = 500 ft




Pa/2π

M.F.

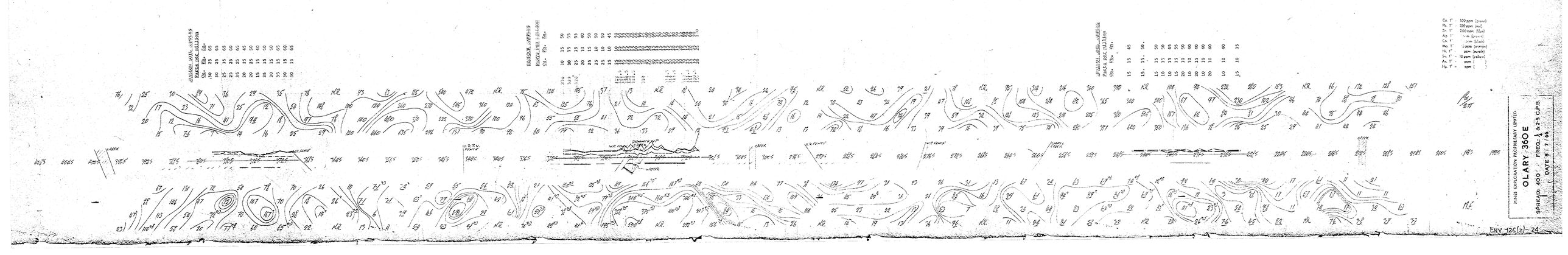
MINES EXPLORATION PROPRIETARY LIMITED

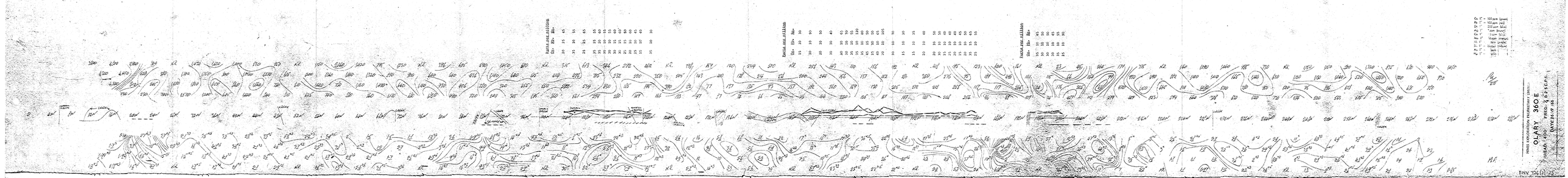
OLARY 350E

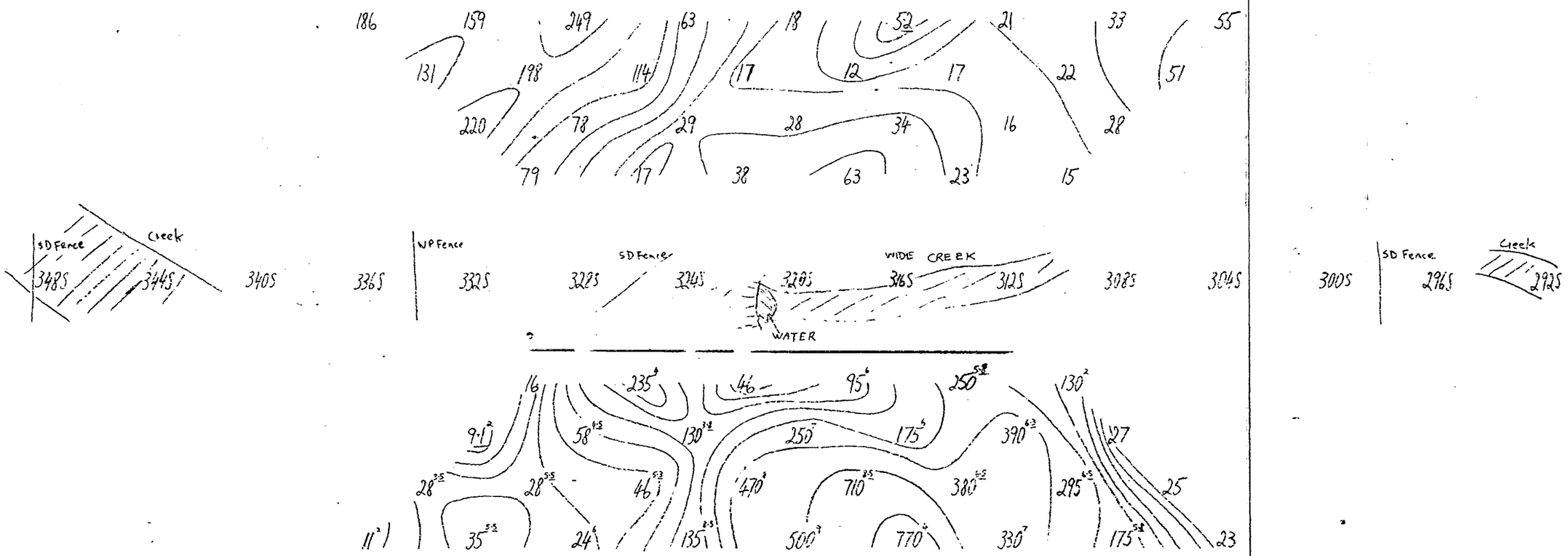
SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 5/9/66

ENY 726(2)-23


SOUTH SOIL SAMPLES
Cu ppm Pb ppm Zn ppm
30 25 65
30 25 65
30 25 65
25 25 65
25 25 60
25 25 65
20 25 45
20 25 50
25 15 50
25 15 50
35 15 55
35 15 65
30 15 60
30 15 65
BROOK SAMPLES
Cu ppm Pb ppm Zn ppm
30 15 50
15 15 55
25 15 55
25 10 40
20 15 50
25 15 50
25 10 50
25 10 45
NORTH SOIL SAMPLES
Cu ppm Pb ppm Zn ppm
15 15 45
15 15 50
15 15 50
15 15 45
15 15 55
15 15 50
10 10 40
10 15 40
10 10 40
10 10 40
10 10 40
10 10 40
15 10 35
Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
Ag 1" = ½ ppm (brown)
Cu 1" = 2 ppm (black)
Mo 1" = 2 ppm (orange)
Ni 1" = 100 ppm (purple)
Sn 1" = 10 ppm (yellow)
As 1" = ppm ( )
Ag 1" = ppm ( )
CREEK
ROAD
N.R.
N.R.V.
N.R.T.V.
Diamond Drill Hole
Diamond Drill Hole
Diamond Drill Hole


Barite mg/Million
Cbo Bo Ba
20 25 45
35 10 55
25 25 65
35 35 55
30 10 60
30 10 55
30 15 60
30 20 50
25 10 65
25 15 60
35 10
Barite mg/Million
Cbo Bo Ba
10 10 80
20 10 70
30 10 60
20 10 50
30 10 40
20 10 65
30 10 55
30 10 50
30 10 45
30 10 40
30 10 35
30 10 30
30 10 25
30 10 20
Barite mg/Million
Cbo Bo Ba
35 10 45
30 10 50
30 10 45
30 10 40
30 10 35
30 10 30
30 10 25
30 10 20
Fe 2+ 100 ppm (green)
Fe 3+ 100 ppm (red)
ZOE ppm (blue)
Ca 2+ ppm (brown)
Mg 2+ ppm (yellow)
Ba 2+ ppm (white)
Non polar (black)
Cl⁻ ppm (white)
SO4 2- ppm (white)
FINES EXPLORATION PROPRIETARY (2015)
OLARY 360E
HEAD 1400 FROG 1 625 C.P.S.
DATE 2/10/66
ENV 726 (2) - 25




| | |
|---|---|
| [illegible] | [illegible] ppm (red) |
| [illegible] | 200 ppm (blue) |
| Ag. 1" | 1 ppm (brown) |
| Co. 1" | 50 ppm (black) |
| Mo. 1" | 10 ppm (orange) |
| [illegible] 1" | [illegible] ppm (purple) |
| 1" | 10 ppm (yellow) |
| A[illegible] 1" | [illegible] ppm ( ) |
| H[illegible] 1" | [illegible] ppm ( |

MINES EXPLORATION PROPRIETARY LIMITED

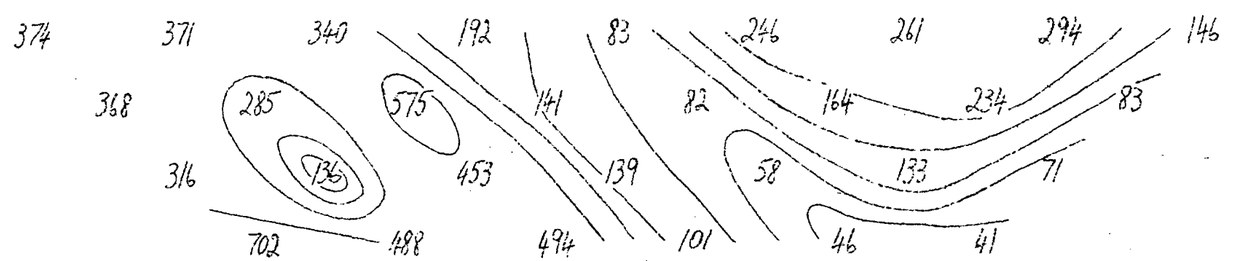
**OLARY 360E** 25°off

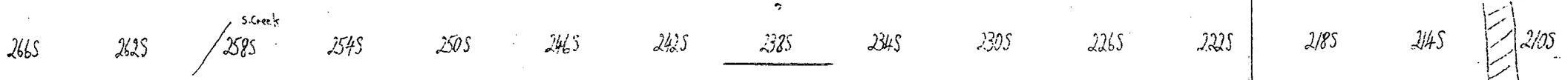
**SPREAD:** 400' **FREQ.:** 3 & 2·5 C.P.S.

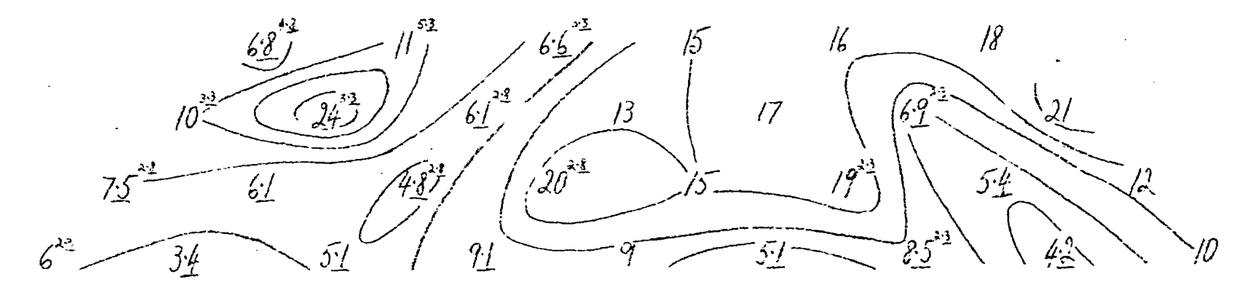
**DATE** 1 / 8 /66

ENV 726(2)-26

Cu. 1" 100 ppm ( )
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
1" ppm (purple)
1" 10 ppm (yellow)
ppm ( )
1" ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

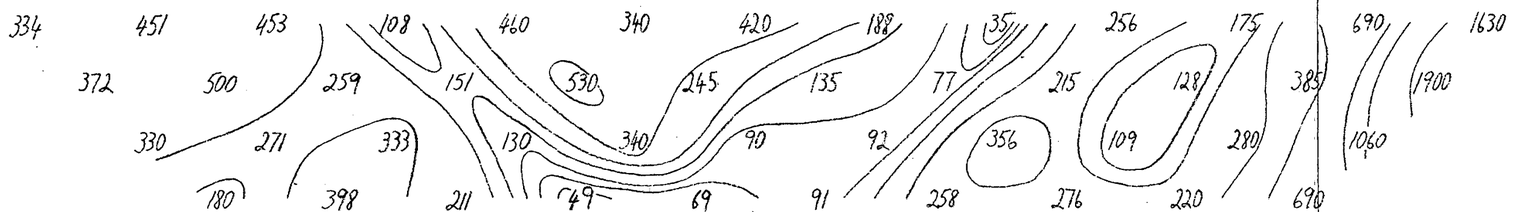
**OLARY 360E**

SPREAD: 400' FREQ.: 2·3 & 2·5 C.P.S.

DATE 3/8/66

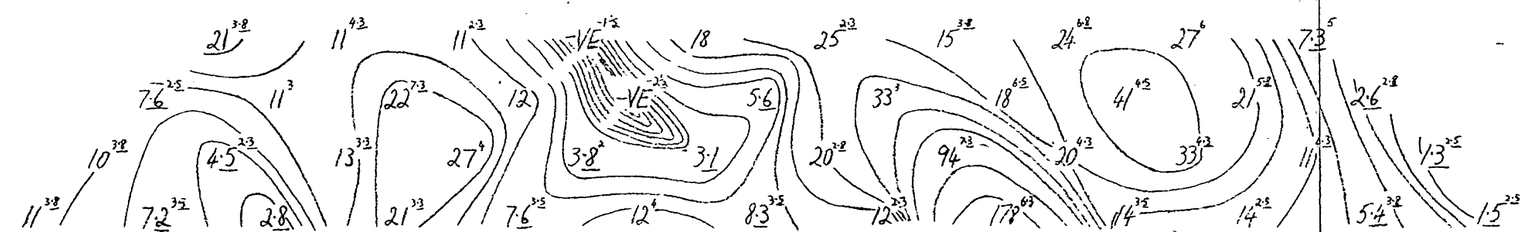
ENV 726(2)-27

Cu. 1" 5 ppm ( )
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
C . 1" 10 ppm (yellow)
A . 1" ppm ( )
. 1" ppm ( )










MINES EXPLORATION PROPRIETARY LIMITED

OLARY 36OE

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 7 / 8 /66

ENV 726(2) - 28

| | |
|---|---|
| | 1.6 ppm ( ) |
| P . 1" | 100 ppm (red) |
| Zn. 1" | 200 ppm (blue) |
| Ag. 1" | 1 ppm (brown) |
| Co. 1" | 50 ppm (black) |
| Mo. 1" | 10 ppm (orange) |
| . ii. 1" | ppm (purple) |
| C . 1" | 10 ppm (yellow) |
| A . 1" | ppm ( ) |
| . 1" | ppm ( ) |

260 240 235 270 155 175 265 362 472

220 195 460 175 170 181 291 365

155 360 270 170 166 203 300

260 175 205 145 182 222

Wide Creek 144N 147N Wide Creek

150N Wide Creek W.P. Fence 153N 156N 159N 162N 165N 168N 171N 174N 177N 180N 183N

12³ 46⁸ 24⁵ 36^5.2 25^4.5 6·8

16^2.5 9·7^3.5 29^7.8 32^5.5 32^5.2 18^3.8 5·8

6·8 12^2.3 10^4.8 43^7.5 24⁴ 18^3.2 19^5.5 5·5²

6·7 12^2.8 9·6^2.3 14^3.8 27⁴ 26^4.5 21^5.5 17⁴ 32

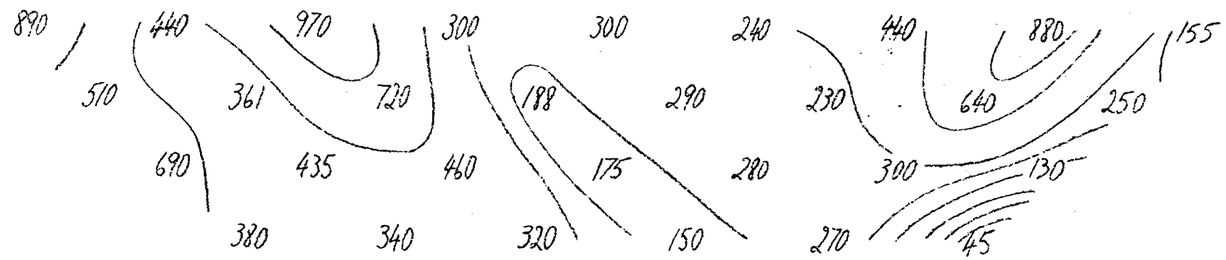
MINES EXPLORATION PROPRIETARY LIMITED

OLARY 360E

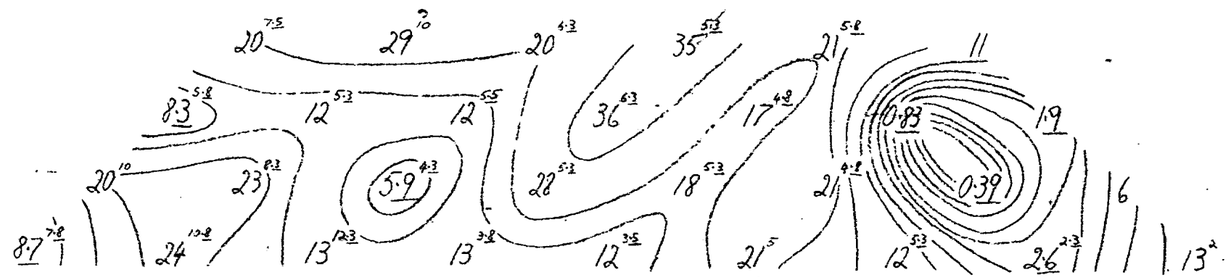
SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 6/8/66

ENV 726(2)-29




95N 98N 101N 104N 107N 110N 113N 116N 119N 122N 125N 128N 131N 134N WIDE CREEK 137N




| | |
|---|---|
| [illegible] | [illegible] ppm [illegible] |
| Pb. 1" | 100 ppm (red) |
| Zn 1" | 200 ppm (blue) |
| Ag. 1" | 1 ppm (brown) |
| Co. 1" | 50 ppm (black) |
| Mo. 1" | 10 ppm (orange) |
| Ni. 1" | ppm (purple) |
| [illegible] 1" | 10 ppm (yellow) |
| A. 1" | - ppm ( ) |
| 1" | ppm ( ) |

MINES EXPLORATION PROPRIETARY LIMITED

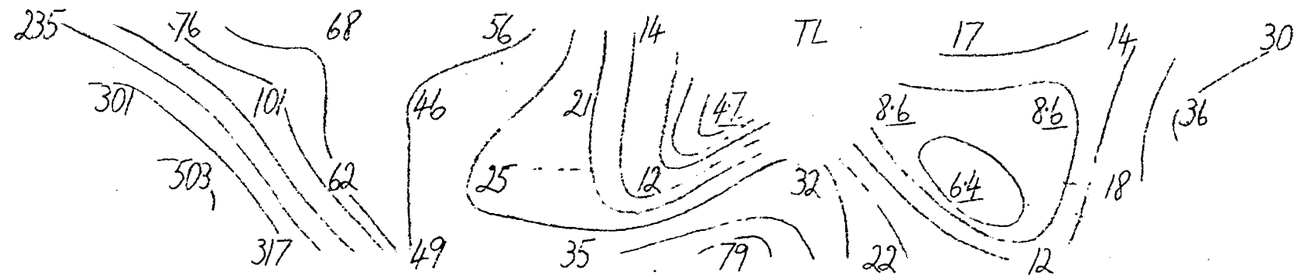
**OLARY 360 E**

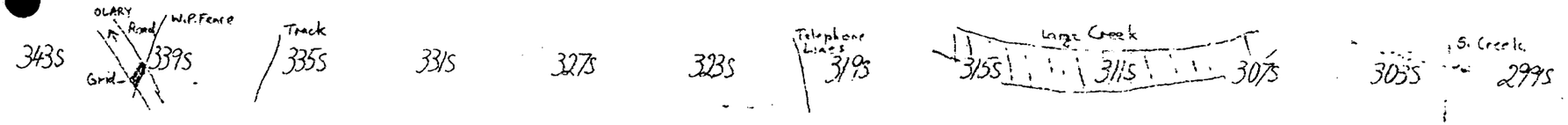
**SPREAD: 300'** **FREQ.: ·3 & 2·5 C.P.S.**

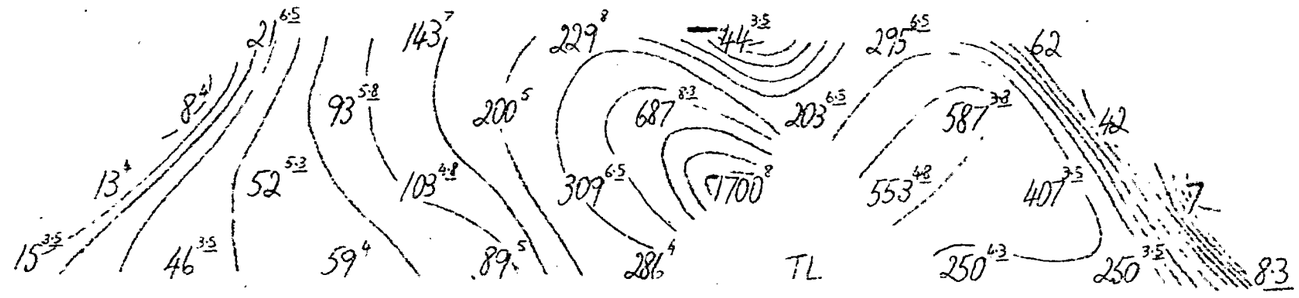
**DATE 6/8/66**

ENV 726(2) - 30

Cu. 1" [illegible]
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" - 10 ppm (yellow)
As. 1" - ppm ( )
[illegible] 1" [illegible] )



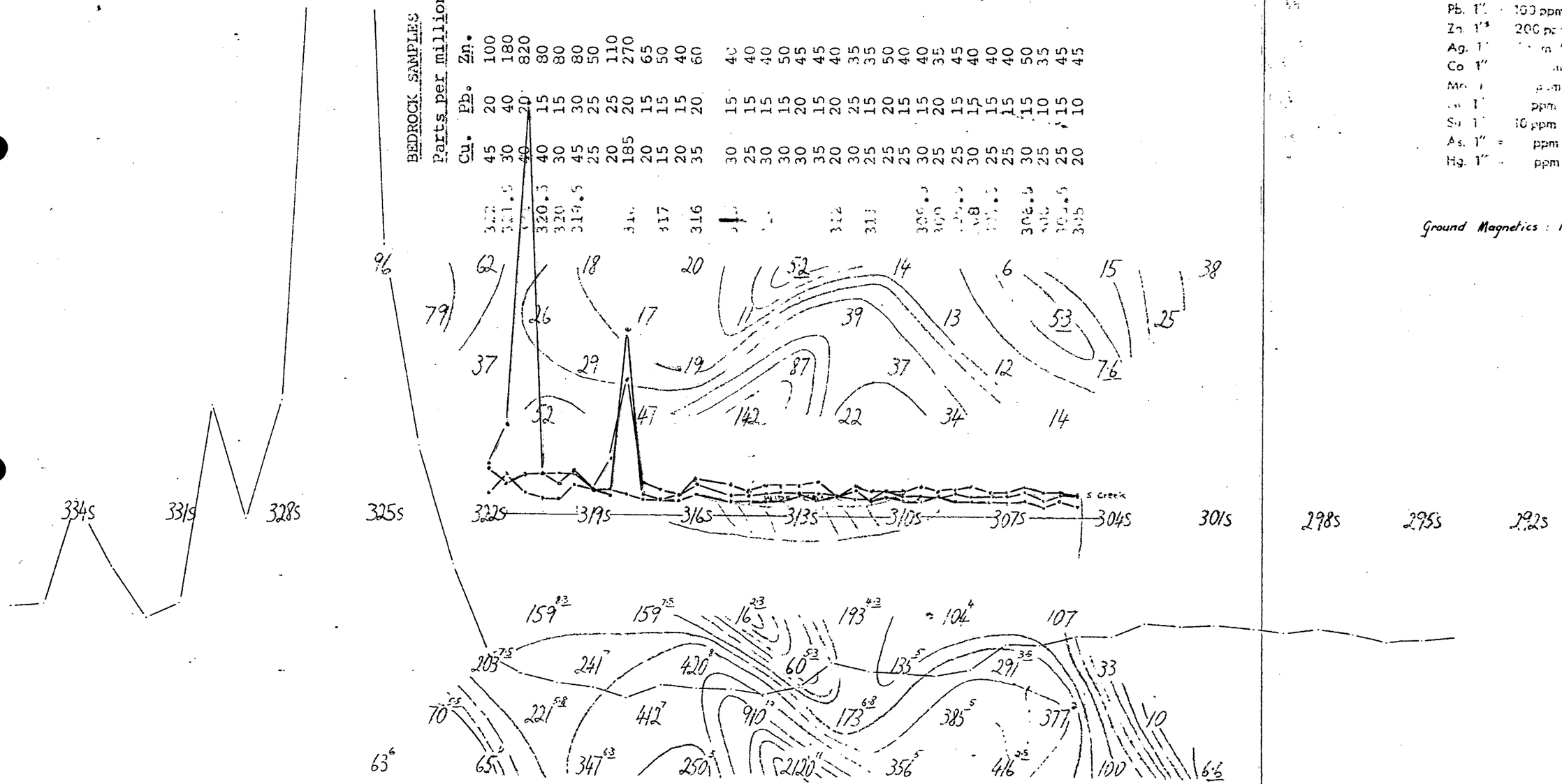

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 370E

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 4/9/66.

ENV 726(2)-31




Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = [illegible] ppm (blue-green)
Co 1" = [illegible] ppm (black)
Mo 1" = [illegible] ppm (orange)
[illegible] 1" = ppm (purple)
Sn 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

*Ground Magnetics : 1" = 500ft*

MINES EXPLORATION PROPRIETARY LIMITED

**O'LARY 370 E**

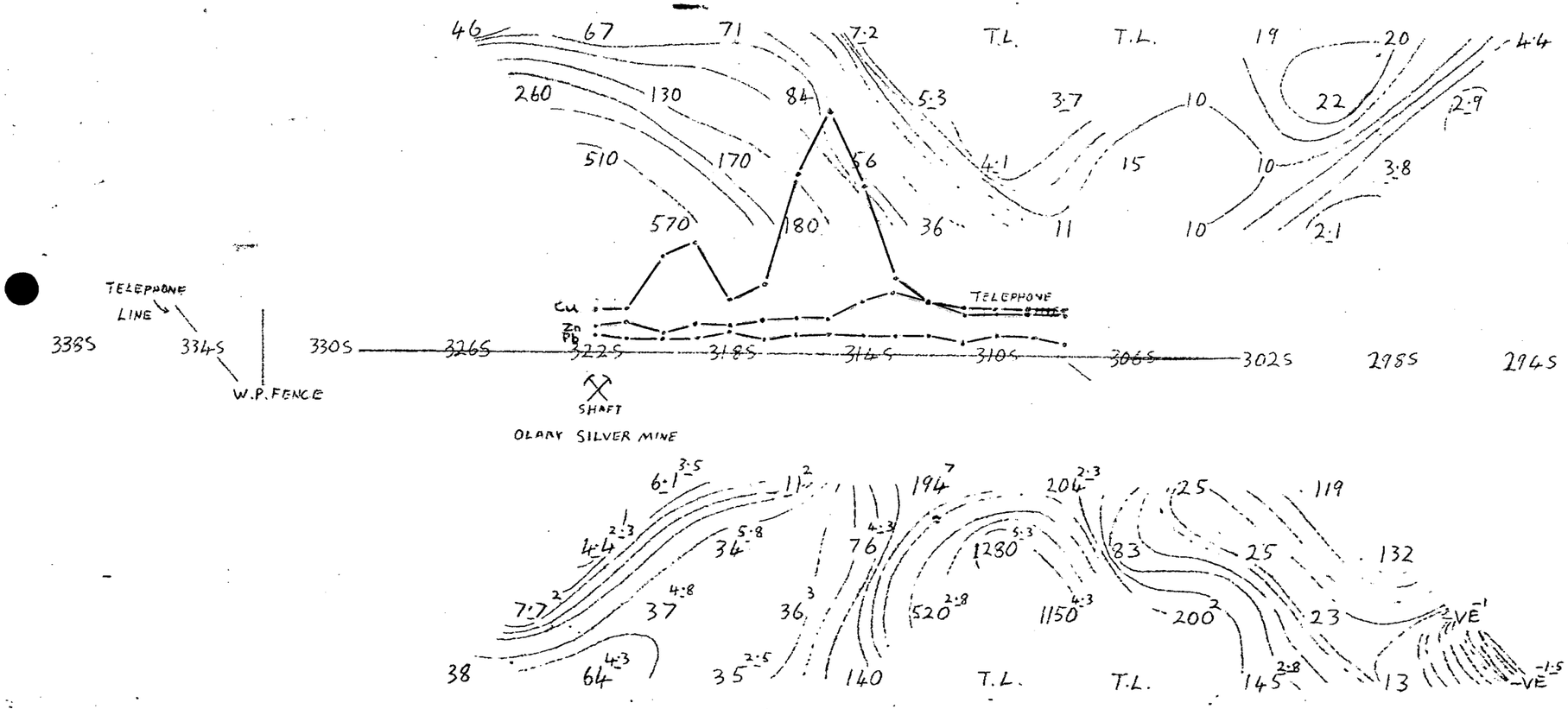
SPREAD: 300' FREQ.:0.3&2.5 C.P.S.

DATE 7/9/66

ENV 726(2)-32

Parts per million

| Cu. | Pb. | Zn. |
|---|---|---|
| 35 | 15 | 40 |
| 35 | 10 | 45 |
| 75 | 10 | 30 |
| 85 | 10 | 45 |
| 40 | 15 | 45 |
| 55 | 10 | 50 |
| 140 | 15 | 55 |
| 190 | 15 | 55 |
| 130 | 15 | 30 |
| 60 | 15 | 90 |
| 40 | 15 | 80 |
| 35 | 10 | 65 |
| 35 | 15 | 65 |
| 35 | 15 | 65 |
| 35 | 10 | 65 |




Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

$\frac{Pa}{2\pi}$

M.F.

MINES EXPLORATION PROPRIETARY LIMITED

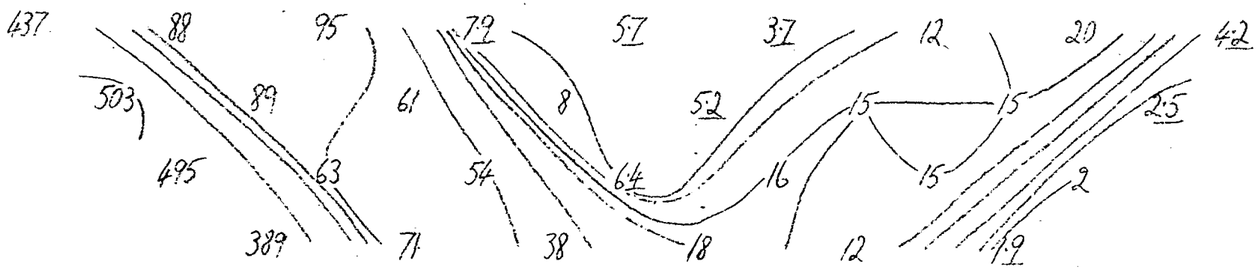
**OLARY 380E**

**SPREAD: 400' FREQ.:0.3&2.5 C.P.S.**

**DATE: 15/8/66**

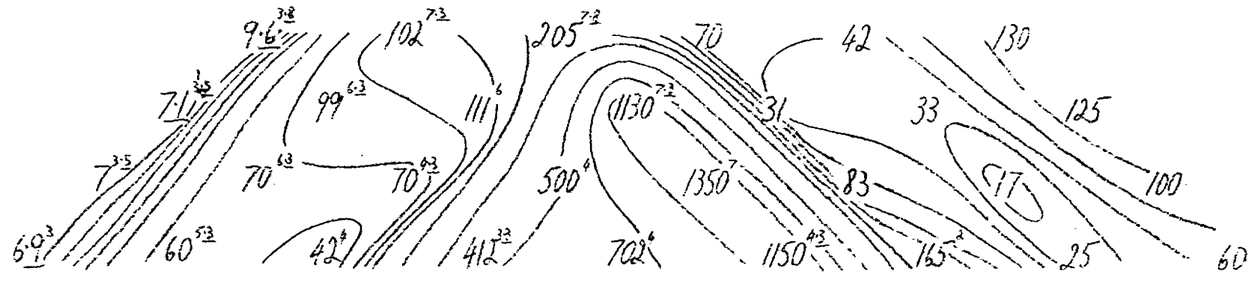
ENV 726(2)-33

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As 1" ppm ( )
ppm ( )









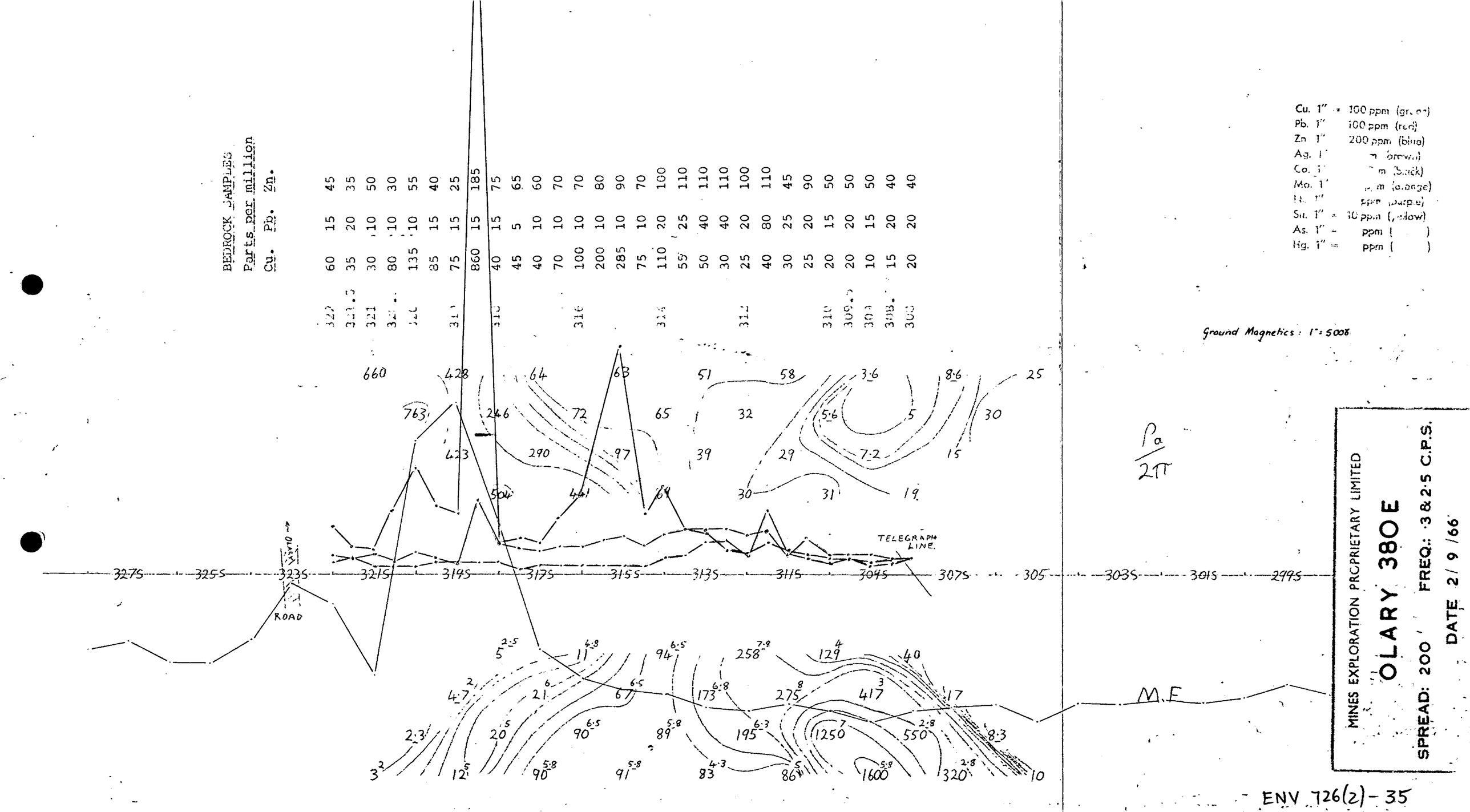

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 380 E

SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 17/8/66

ENV 726(2)-34


BEDROCK SAMPLES
Parts per million
Cu. Pb. Zn.
60 15 45
35 20 35
30 10 50
80 10 30
135 10 55
85 15 40
75 15 25
860 15 185
40 15 75
45 5 65
40 10 60
70 10 70
100 10 70
200 10 80
285 10 90
75 10 70
110 20 100
55 25 110
50 40 110
30 40 110
25 20 100
40 80 110
30 25 45
25 20 90
20 15 50
20 20 50
10 15 50
15 20 40
20 20 40
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = ppm (brown)
Co. 1" = ppm (black)
Mo. 1" = ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )
Ground Magnetics : 1"=500ft
660
428
763
246
423
290
504
441
64
68
97
72
65
51
58
3·6
8·6
25
32
5·6
5
30
39
29
7·2
15
30
31
19
TELEGRAPH LINE
327S
325S
323S
321S
319S
317S
315S
313S
311S
309S
307S
305
303S
301S
299S
ROAD
Pa/2π
M.F
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 380E
SPREAD: 200'
FREQ.: 1.3 & 2.5 C.P.S.
DATE 2/9/66

ENV 726(2) - 35

| | | |
|---|---|---|
| P | 1 | 100 ppm (red) |
| [illegible] | 1" | 200 ppm (blue) |
| Ag. | 1" | [illegible] ppm (brown) |
| Co. | 1" | 50 ppm (black) |
| Mo. | 1" | 10 ppm (orange) |
| [illegible] | 1" | ppm (purple) |
| | 1" | 10 ppm (yellow) |
| As. | 1" | ppm ( ) |
| Hg. | 1" = | ppm ( ) |

29 10 3·9 T.L. 4·9 5·3 19 22 T.L.

38 28 28 T.L. T.L. 8·8 24 1·8

75 104 48 7 3·2 9·4 2·2

200 150 30 2 2·7 1·7

Pa
2T

S.D. FENCE.

TELEPHONE LINE.

TELEPHONE LINE.

333S 329S 325S 321S 317S 313S 309S 305S OLARY ROAD 301S 297S 293S 289S 285S 281S 277S

400'

DAM

8 27 4 192 5·8 620 -1·0 -VE 588

17 31 3·3 68 3·3 500 3·5 78 -VE -0·5 -VE -0·5

M.F.

26 107 3 63 T.L. T.L. 110 10 -VE -0·8

8·6 200 2 -VE -1·0 T.L. 306 613 3·3 118 2·3 -VE -1·0 T.L.

MINES EXPLORATION PRL PRIETARY LIMITED

OLARY 390E

SPREAD: 400 FREQ:0·3&2·5 C.P.S.

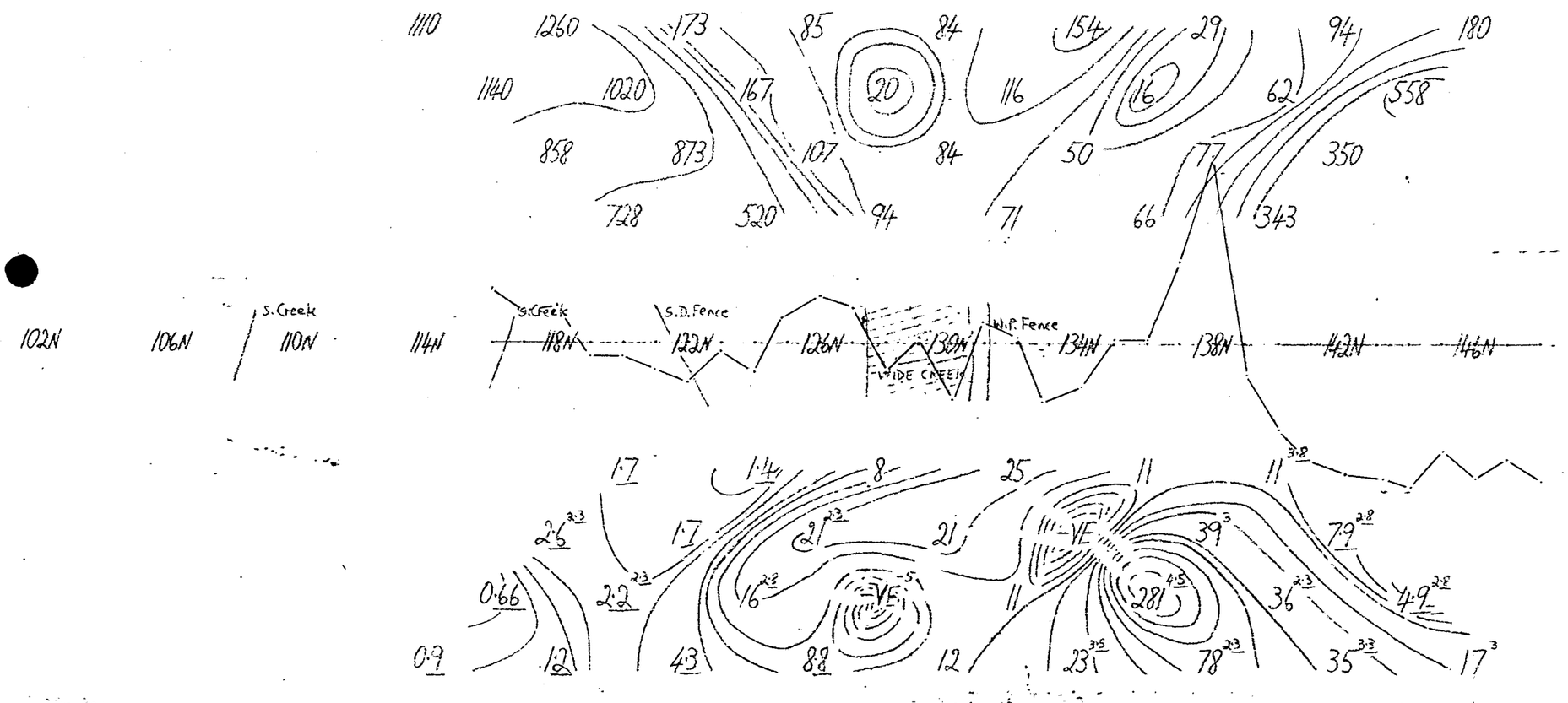
DATE 3 / 9 /66

1

ENV 726(2)-36

Cu 1" = 100 ppm (red)
1" = 200 ppm (blue)
As 1" = 100 ppm (brown)
1" = 50 ppm (black)
1" = 10 ppm (orange)
1" = 5 ppm (purple)
1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

Ground Magnetics: 1" = 500 γ




MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 39OE

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 30/8/66

ENV 726(2)-37

| | | |
|---|---|---|
| | 1" | green |
| P | 1" | 100 ppm (red) |
| | 1" | 200 ppm (blue) |
| A | 1" | 1 ppm (brown) |
| | 1" | 50 ppm (black |
| | 1" | 10 ppm (orange) |
| | 1" | ppm (purple) |
| Sn | 1" | 10 ppm |
| As. | 1" | ppm |
| | 1" | ppm |

964 663 22 19 112 141 18 245 164
1190 424 34 105 107 21 320 362
779 432 78 77 22 320 372
710 290 81 29 230 316

S.CREEK
104N 108N 112N 116N 120N 124N 128N 132N 136N 140N 144N 148N 152N 156N 160N
R.P.FENCE.
L.O FENCE

3:2 2:3 8:6 2:5 9:3 78 2:3 14 3:3 13 4:3
3:2 2:5 5:2 2:3 29 2:3 15 12 3:8 5:4 2
1:9 2:3 6:5 2:8 44 7:1 16 -1:8 -VE 13 4:3 12 4:3
1:6 3:8 2:5 306 6:8 92 11 27 3:8 -2:8 -VE 17 4:3 20 3:3

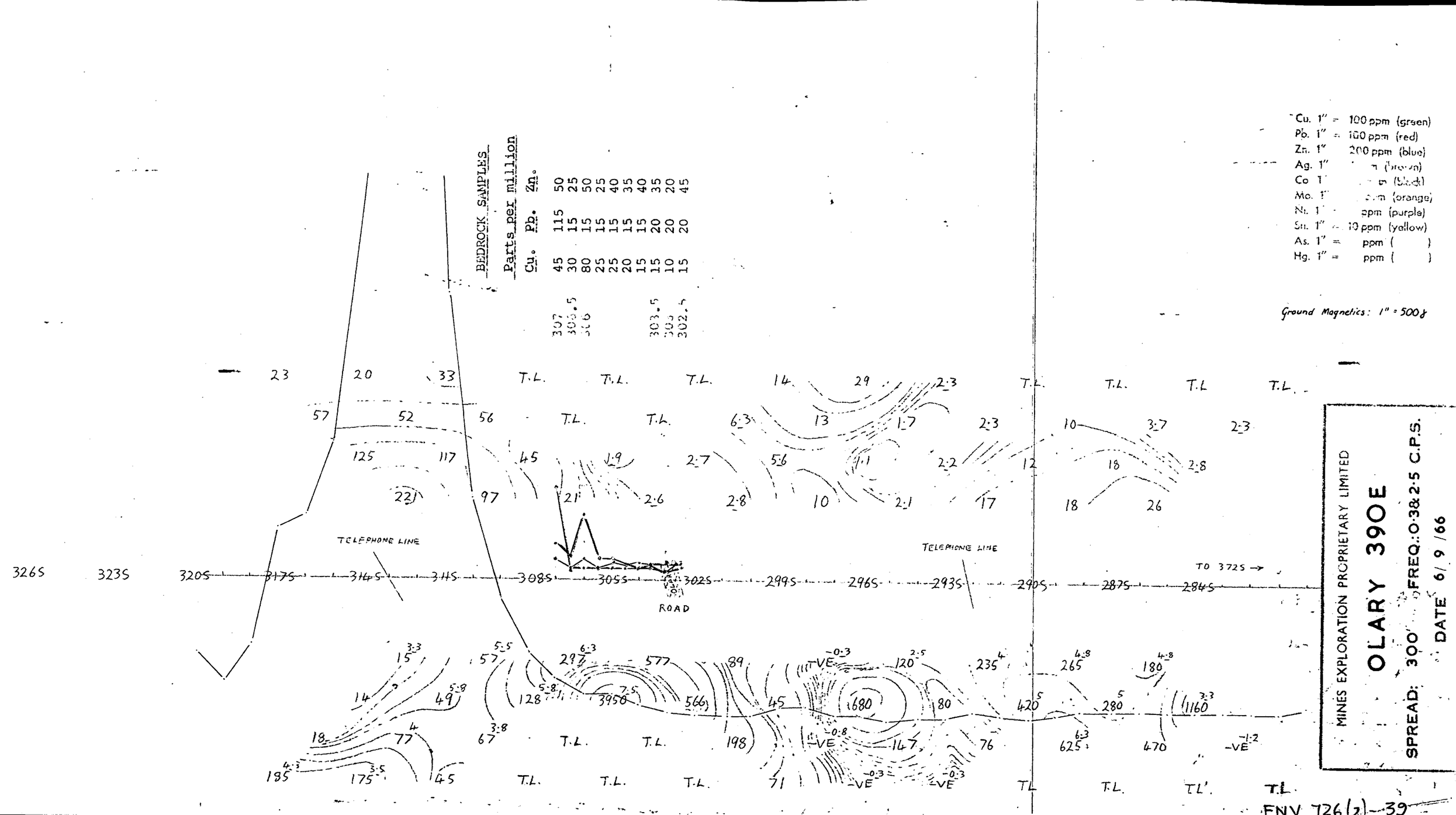
MINES EXPLORATION PROPRIETARY LIMITED

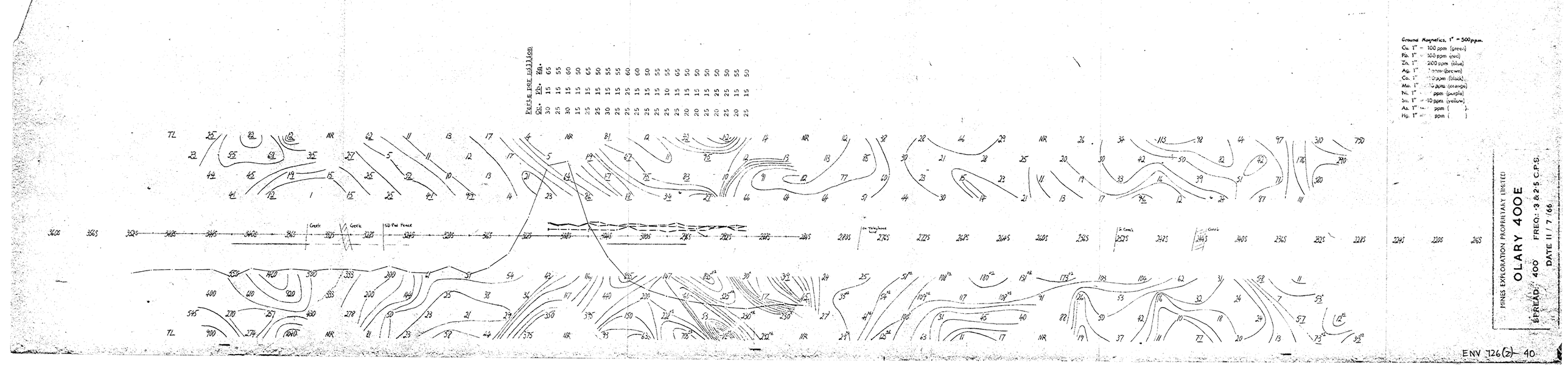
OLARY 39OE'

SPREAD: 400' FREQ.:0·3&2·5 C.P.S.

DATE 16/8/66

ENV 726(2)-38

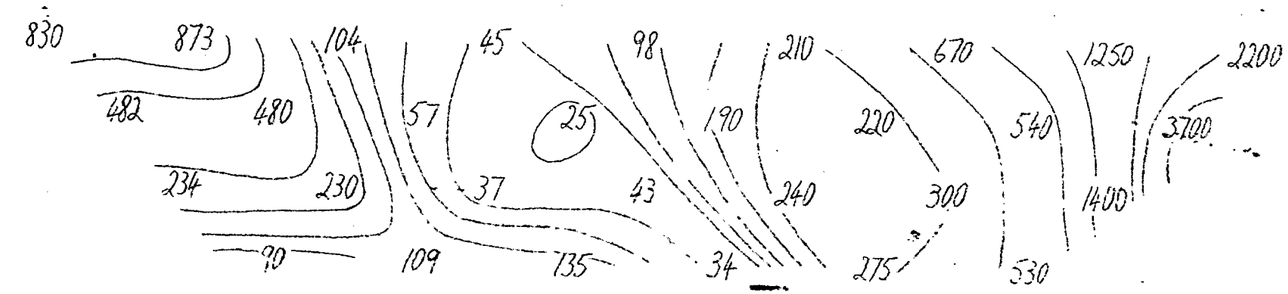

BEDROCK SAMPLES
Parts per million
Cu. Pb. Zn.
45 115 50
30 15 25
80 15 50
25 15 25
25 15 40
20 15 35
15 15 40
15 20 35
10 20 20
15 20 45
307
303.5
303.5
302.5
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = ppm (brown)
Co 1" = ppm (black)
Mo. 1" = ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )
Ground Magnetics: 1" = 500γ
TELEPHONE LINE
TELEPHONE LINE
ROAD
TO 3725 →
3265
3235
3205
3175
3145
3115
3085
3055
3025
2995
2965
2935
2905
2875
2845
T.L.
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 390E
SPREAD: 300' FREQ.: 0·3 & 2·5 C.P.S.
DATE 6/9/66
ENV 726(2)—39


Parts per million
Cu. Pb. Zn.
30 15 65
25 15 55
30 15 60
15 15 50
25 15 65
25 15 50
30 15 55
25 15 55
25 15 60
25 15 60
25 15 50
25 15 55
25 15 55
25 10 55
25 15 65
20 15 50
20 15 50
25 15 50
20 25 50
25 25 50
20 15 55
25 15 55
Ground Magnetics, 1" = 500ppm.
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = ppm (brown)
Co. 1" = ppm (black)
Mo. 1" = ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 400E
SPREAD: 400 FREQ.: 3 & 25 C.P.S.
DATE 11 / 7 / 66
Creek
Creek
SD Pwr Fence
Creek
Creek

ENV 126(2)- 40

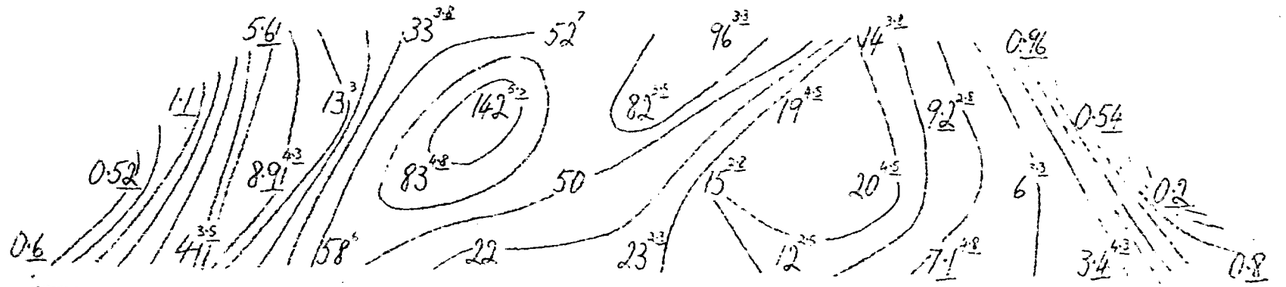
Fetch-mec ositation
Ox. Pb. Zn.
WASH
WING CREEK
WING CREEK
WING CREEK

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
A . 1" = ppm ( )
. . 1" ppm ( )










MINES EXPLORATION PROPRIETARY LIMITED

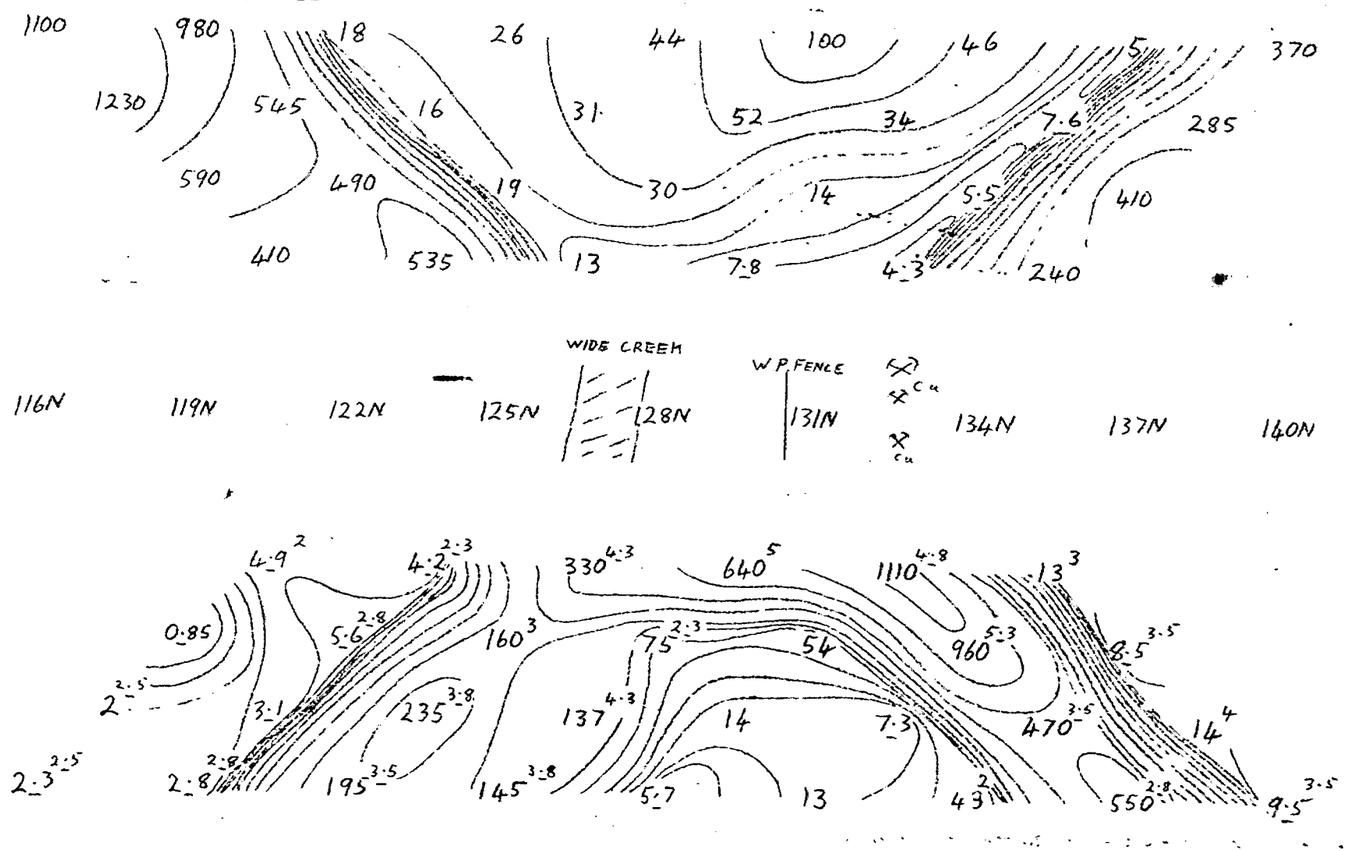
**OLARY 400E**

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 14/ 8 /66

ENV 726(2)- 42

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Su. 1" = 10 ppm (yellow)
A . 1" = ppm ( )
. . 1" = ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

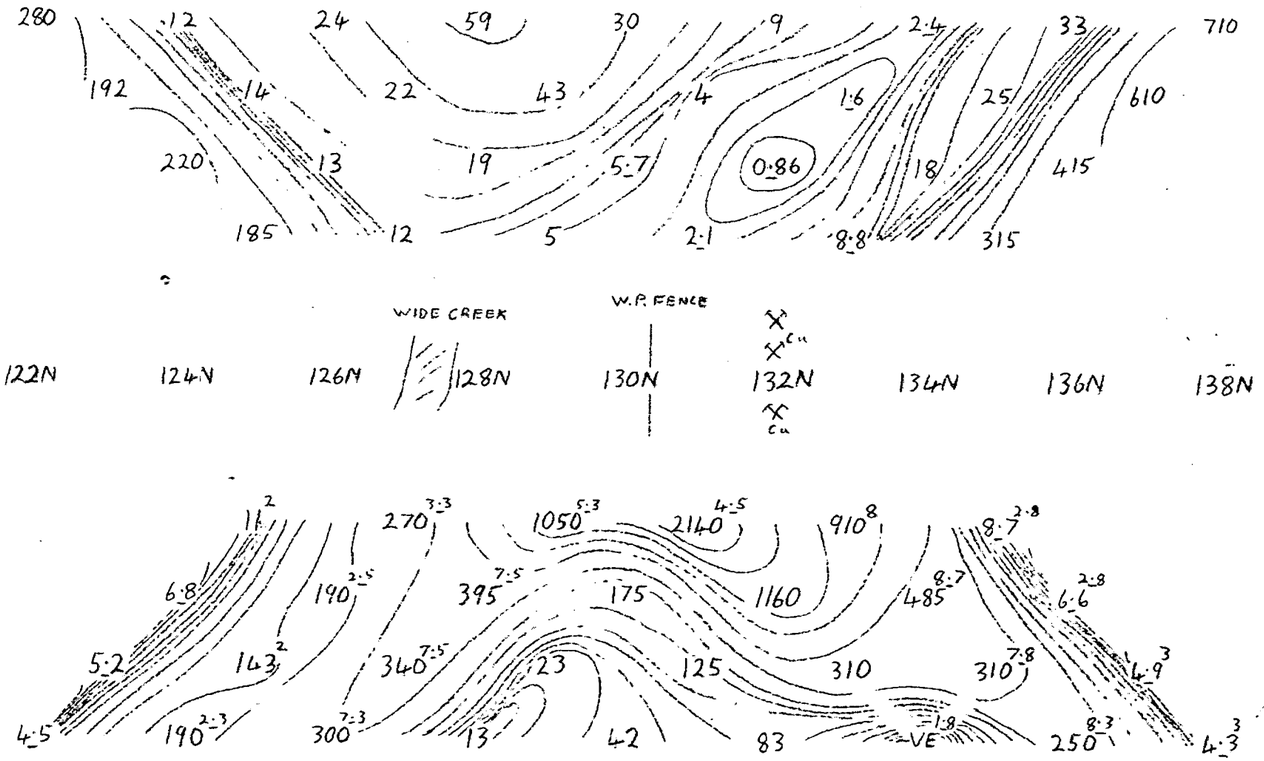
# OLARY 400E

SPREAD: 300' FREQ.: 0.3 & 2.5 C.P.S.

DATE 16/8/66

ENV 726(2)-43

Cu. 1" = 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Su. 1" 10 ppm (yellow)
A . 1" ppm ( )
. 1" ppm ( )




$\frac{P_a}{2\pi}$

M.F.

MINES EXPLORATION PROPRIETARY LIMITED

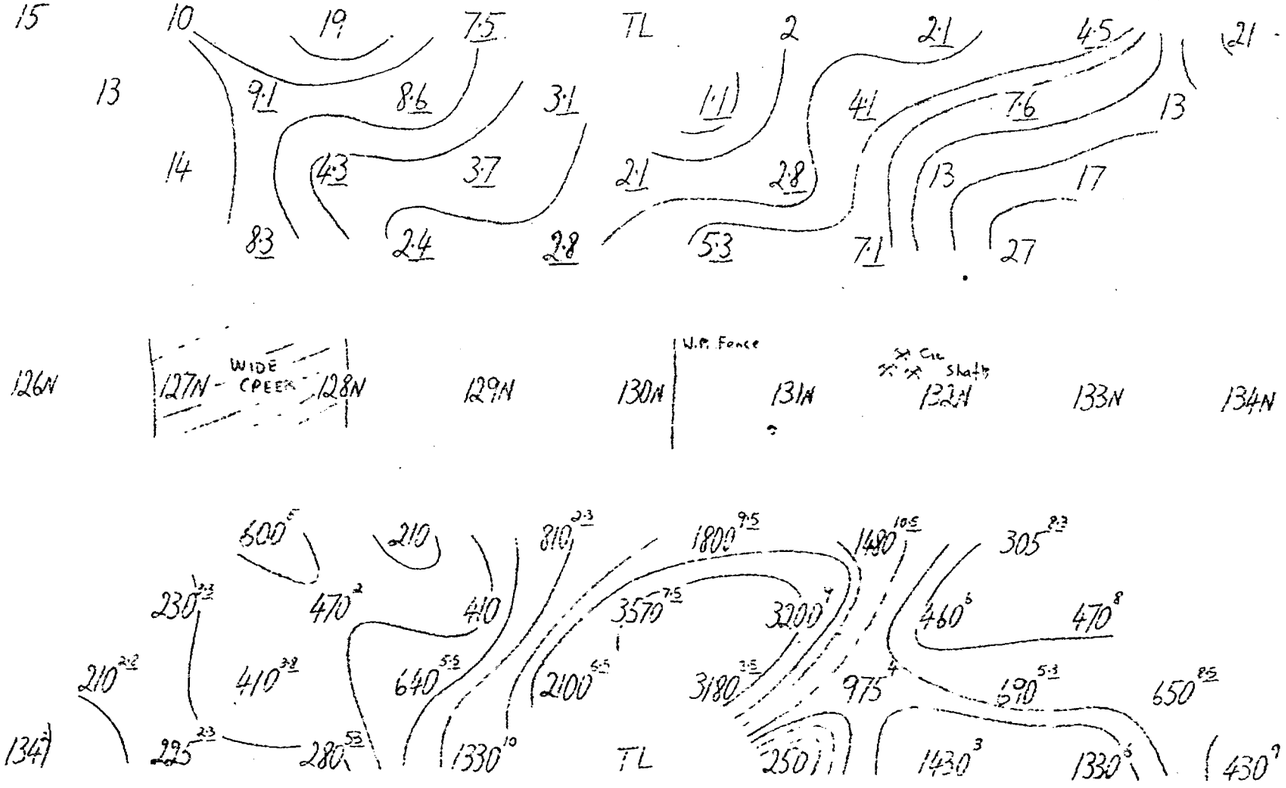
OLARY 400E

SPREAD: 200' FREQ.: 0·3 & 2·5 C.P.S.

DATE 18/ 8 /66

ENV 726(2)- 44

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Su. 1" 10 ppm (yellow)
A. 1" ppm ( )
. 1" ppm ( )



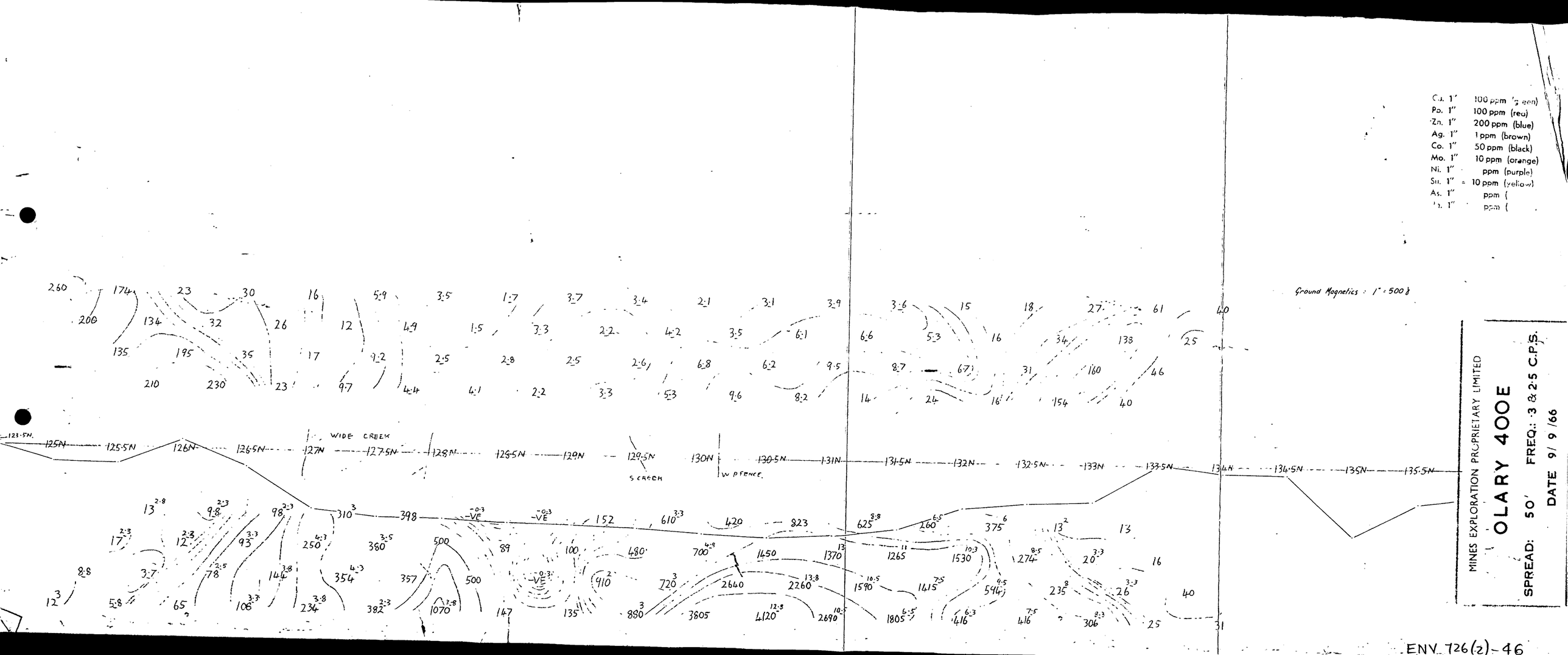

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 400E

SPREAD: 100' FREQ.: 3 & 2·5 C.P.S.

DATE 3/9/66

ENV #726(2)-45


Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" ppm (
Sb. 1" ppm (
Ground Magnetics : 1" = 500 ft
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 400E
SPREAD: 50' FREQ.: 3 & 2·5 C.P.S.
DATE 9/ 9 /66
WIDE CREEK
S CREEK
W FENCE
123·5N
125N
125·5N
126N
126·5N
127N
127·5N
128N
128·5N
129N
129·5N
130N
130·5N
131N
131·5N
132N
132·5N
133N
133·5N
134N
134·5N
135N
135·5N
-VE

ENV. 726(2)-46

Parts per million

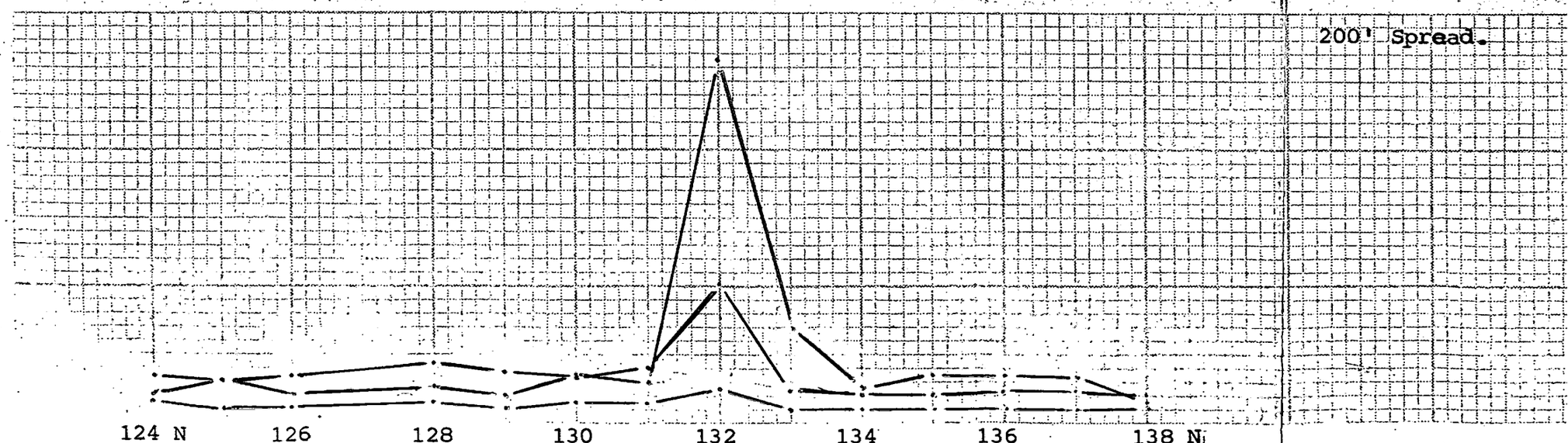
| Cu. | Pb. | Zn. |
|---|---|---|
| 20 | 15 | 65 |
| 30 | 10 | 60 |
| 20 | 10 | 65 |
| 25 | 15 | 75 |
| 20 | 10 | 70 |
| 35 | 15 | 65 |
| 30 | 15 | 80 |
| 265 | 25 | 205 |
| 70 | 10 | 45 |
| 25 | 10 | 40 |
| 35 | 10 | 40 |
| 35 | 10 | 45 |
| 35 | 10 | 45 |
| 15 | 10 | 40 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = ppm (brown)
Co. 1" = ppm (black)
Mo. 1" = ppm (orange)
Ni. 1" = ppm (purple)
Su. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

OLARY

GEOCHEM LINE

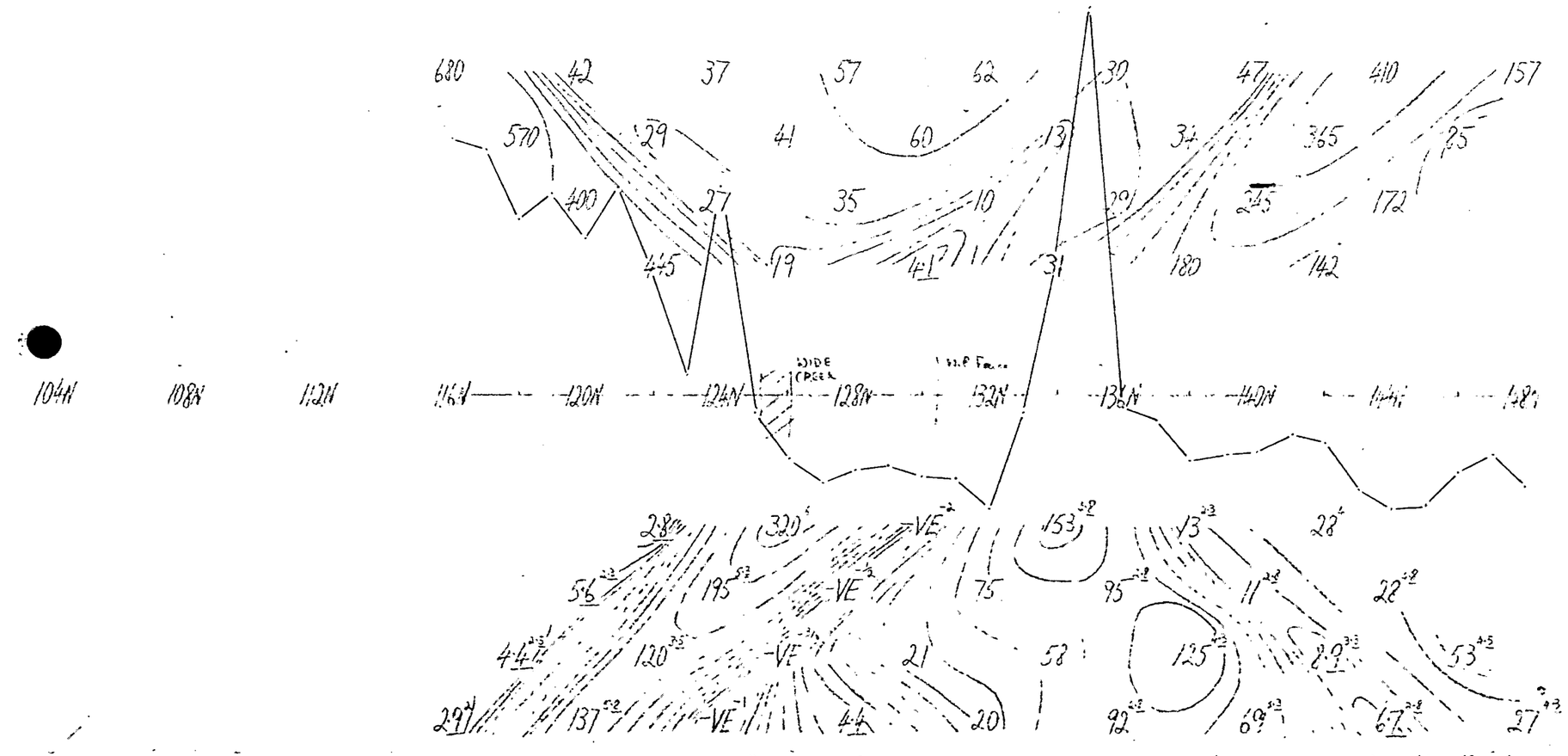
403 E




ENV 726(2)-47

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
1" = ppm ( )

Ground Magnetics : 1" = 500 γ




MINES EXPLORATION PROPRIETARY LIMITED

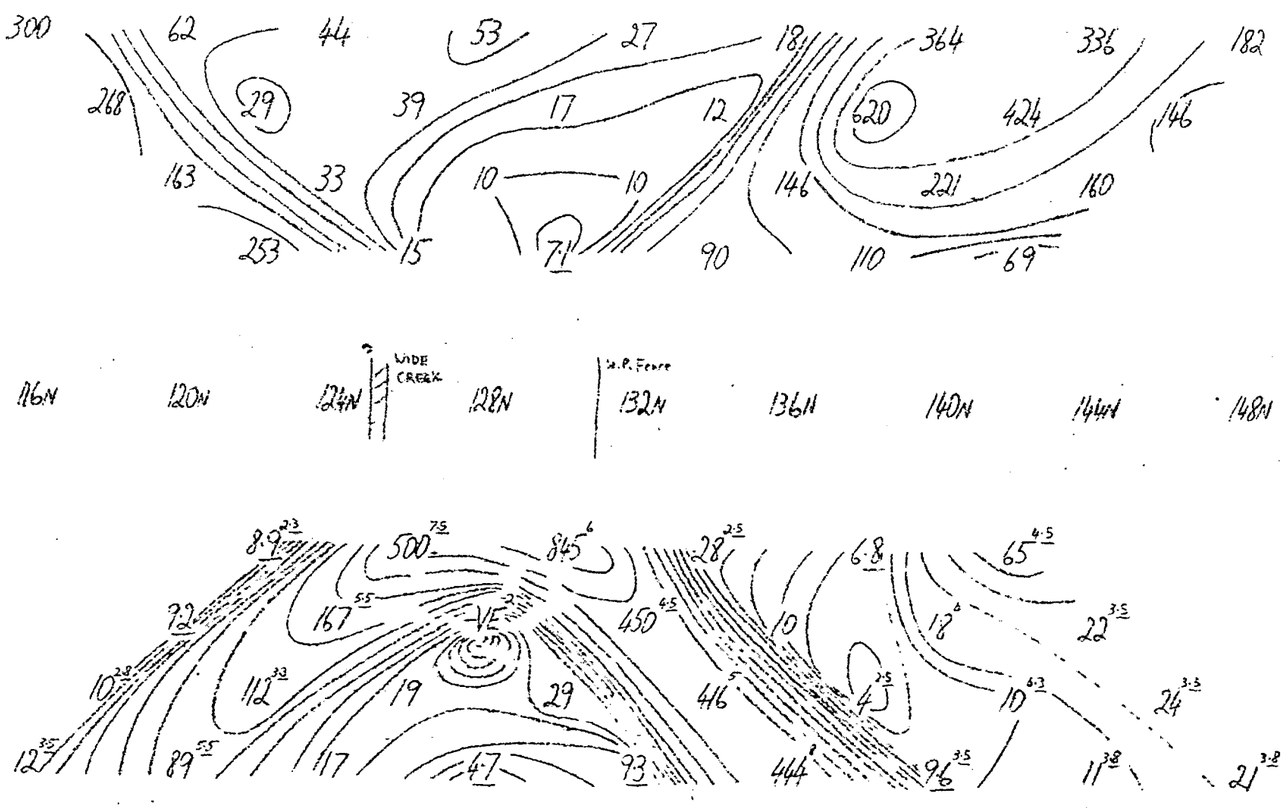
OLARY 405 E

SPREAD: 400' FREQ.: ·3 & 2·5 C.P.S.

DATE 16/8/66

ENV. 726(2)- 48

Cu. 1" 100 ppm (  )
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" = ppm (purple)
Su. 1" = 10 ppm (yellow)
As. 1" = ppm (  )
. 1" = ppm (  )




MINES EXPLORATION PROPRIETARY LIMITED

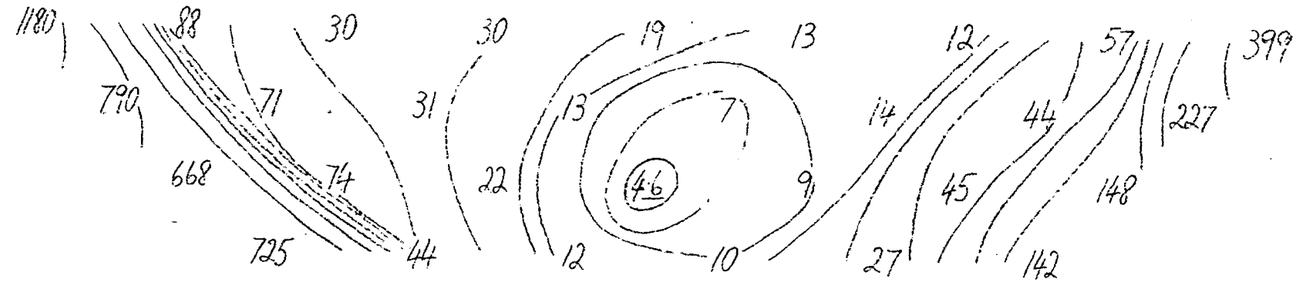
OLARY 41OE

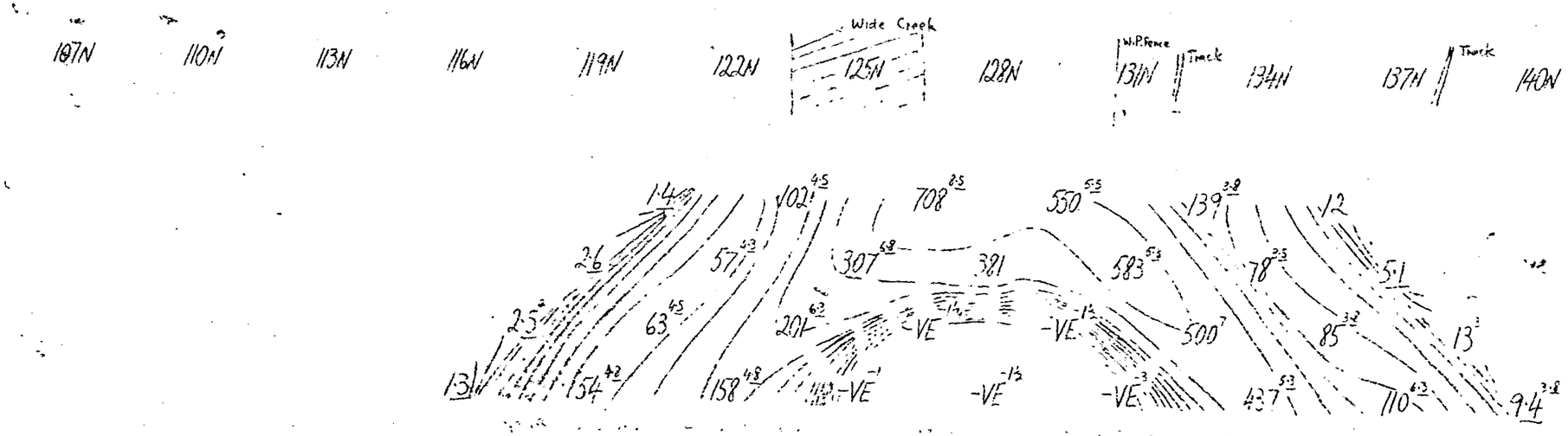
SPREAD: 400' FREQ.: 3 & 2·5C.P.S.

DATE 7/9/66

ENV 726(2)-49

Cu. 1" 100 ppm ( )
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm ( )
. 1" ppm ( )




MINES EXPLORATION PROPRIETARY LIMITED

OLARY 410E

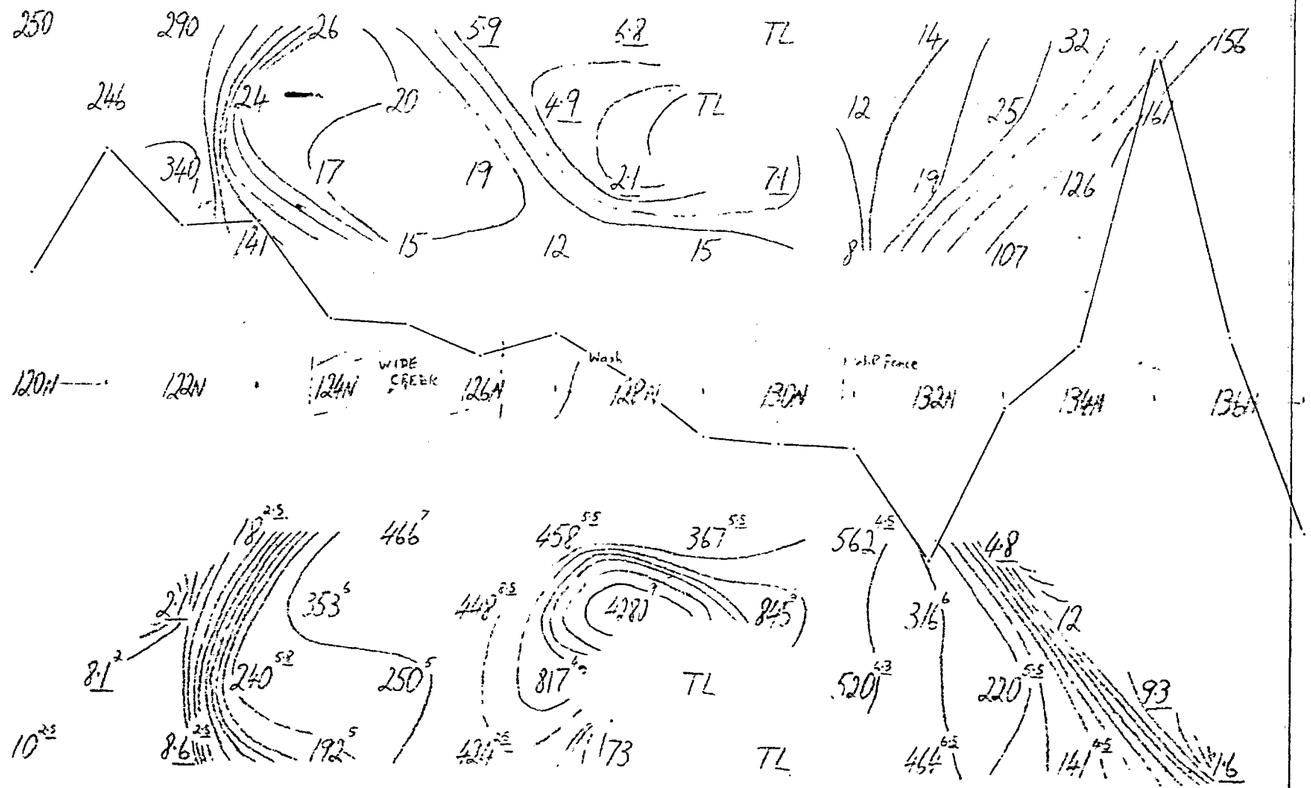
SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 10/9/66

ENV 726(2)-50

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
1" = ppm (

GROUND MAGNETICS : 1" = 500 ɣ




MINES EXPLORATION PROPRIETARY LIMITED

OLARY 410 E

SPREAD: 200' FREQ.: 0.3 & 2.5 C.P.S.

DATE 11/9/66

ENV 726(2)-51

Parts per million

| Cu. | Pb. | Zn. |
|---|---|---|
| 45 | 15 | 145 |
| 30 | 15 | 90 |
| 35 | 10 | 60 |
| 95 | 25 | 185 |
| 30 | 25 | 340 |
| 15 | 25 | 100 |
| 25 | 15 | 80 |
| 20 | 15 | 60 |
| 20 | 10 | 45 |
| 110 | 10 | 40 |
| 135 | 10 | 40 |

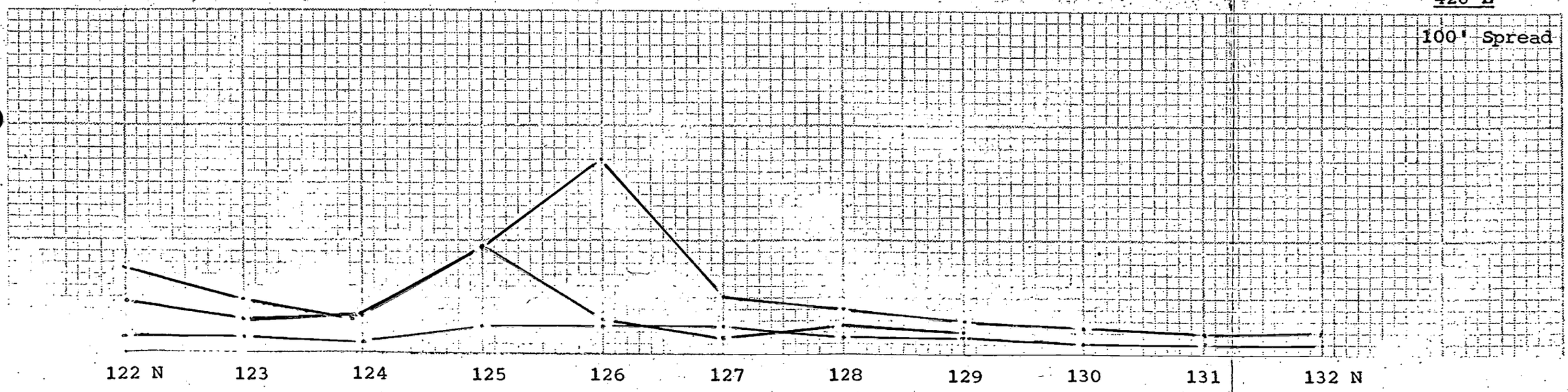
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = ppm (brown)
Co. 1" = ppm (black)
Mo. 1" = ppm (orange)
Ni. 1" = ppm (purple)
Su. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

OLARY

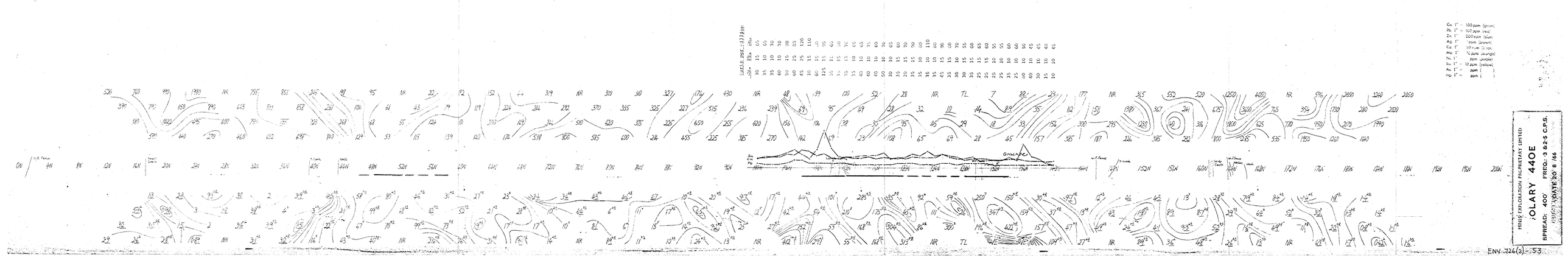
GEOCHEM LINE

420 E

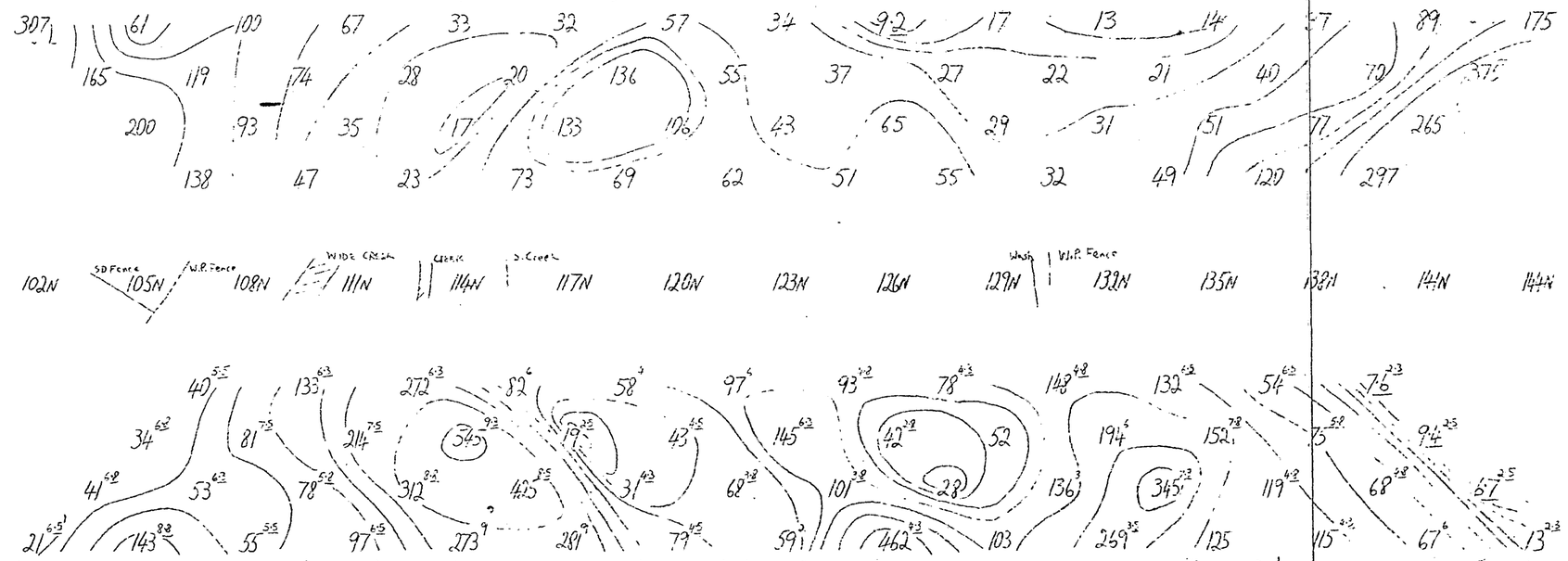
100' Spread




ENV 726(2)-52


Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
Ag 1" = ppm (brown)
Co 1" = 50 ppm (orange)
Mo 1" = 10 ppm (purple)
Sn 1" = 10 ppm (yellow)
As 1" = ppm ( )
Hg 1" = ppm ( )
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 440E
SPREAD: 400 FREQ.: 3 & 2.5 C.P.S.
DATE 30 8 66
ENV 726(2) - 53

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm (
Sb. 1" = ppm (




• MINES EXPLORATION PROPRIETARY LIMITED

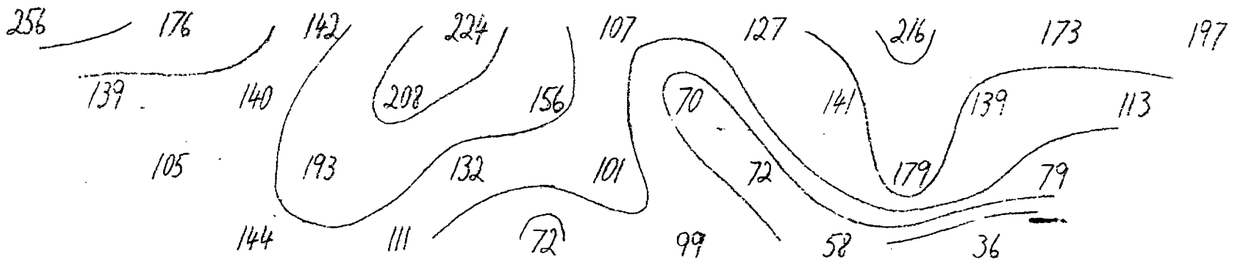
**OLARY 440E**

SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 1/9/66

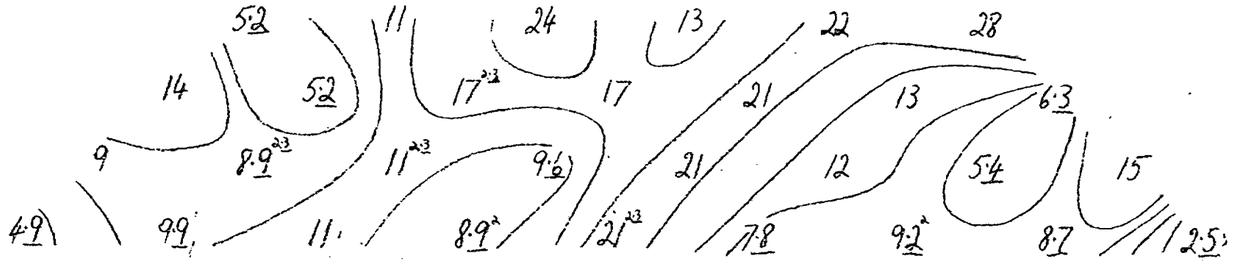
ENV 726(2)- 54

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Su. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
1" = ppm ( )




307S 304S 301S 298S 295S 292S 289S 286S 283S 280S 277S 274S

S Creek
271S 268S 265S




MINES EXPLORATION PROPRIETARY LIMITED

OLARY 440E

SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

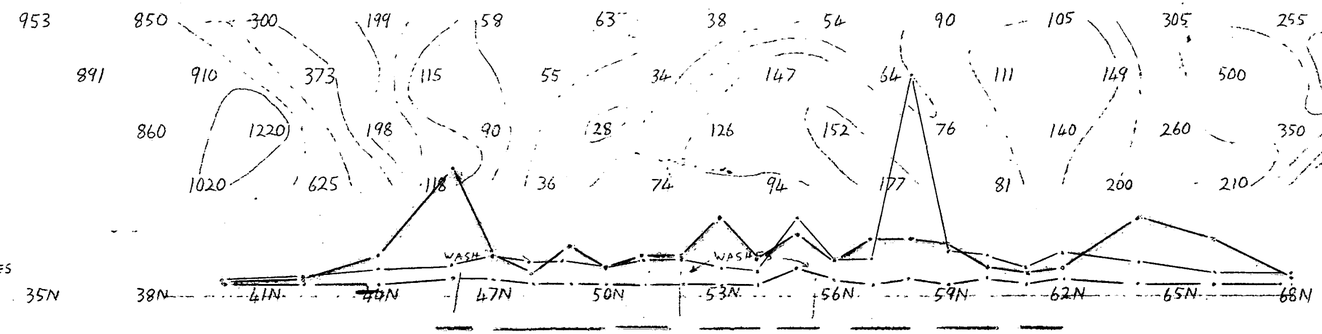
DATE 5/8/66

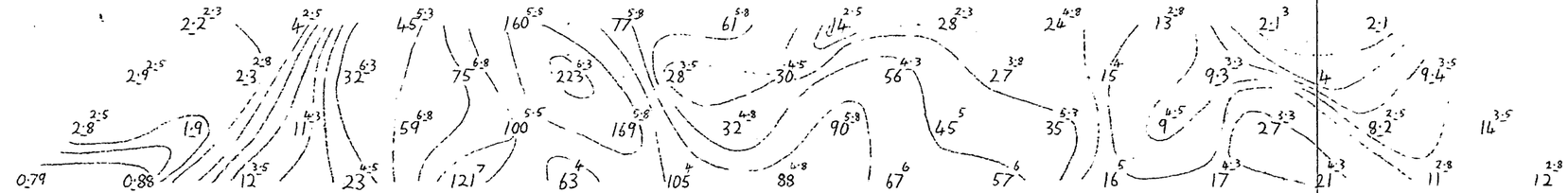
ENV 726(2)-55

Parts per million

| Cu. | Pb. | Zn. |
|---|---|---|
| 10 | 10 | 30 |
| 15 | 10 | 35 |
| 35 | 10 | 45 |
| 115 | 15 | 55 |
| 35 | 15 | 70 |
| 20 | 10 | 60 |
| 45 | 10 | 60 |
| 25 | 10 | 50 |
| 35 | 10 | 65 |
| 35 | 10 | 65 |
| 70 | 10 | 50 |
| 30 | 10 | 45 |
| 55 | 25 | 140 |
| 30 | 15 | 65 |
| 50 | 10 | 65 |
| 50 | 15 | 400 |
| 45 | 10 | 80 |
| 25 | 15 | 70 |
| 20 | 10 | 50 |
| 25 | 15 | 75 |
| 70 | 10 | 60 |
| 50 | 10 | 40 |
| 15 | 10 | 40 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Mn. 1" = 10 ppm (yellow)
A. 1" = ppm ( )
1" = ppm ( )




$\frac{\rho_a}{2\pi}$

M.F.

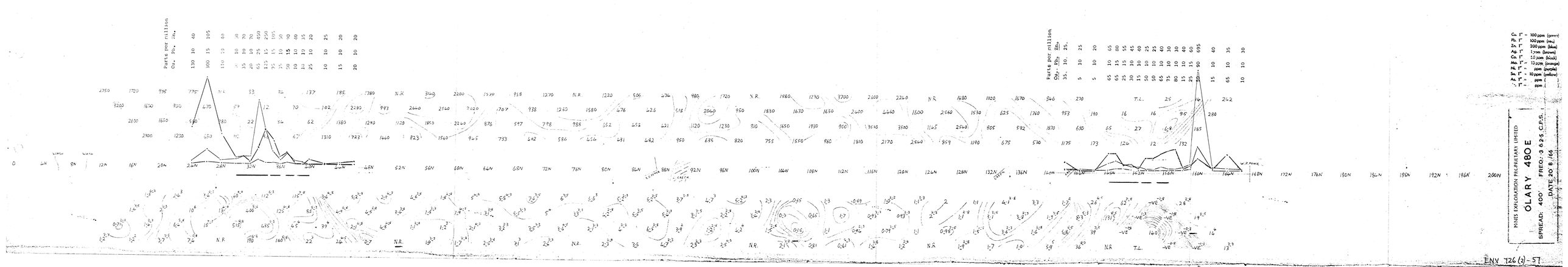
MINES EXPLORATION PROPRIETARY LIMITED

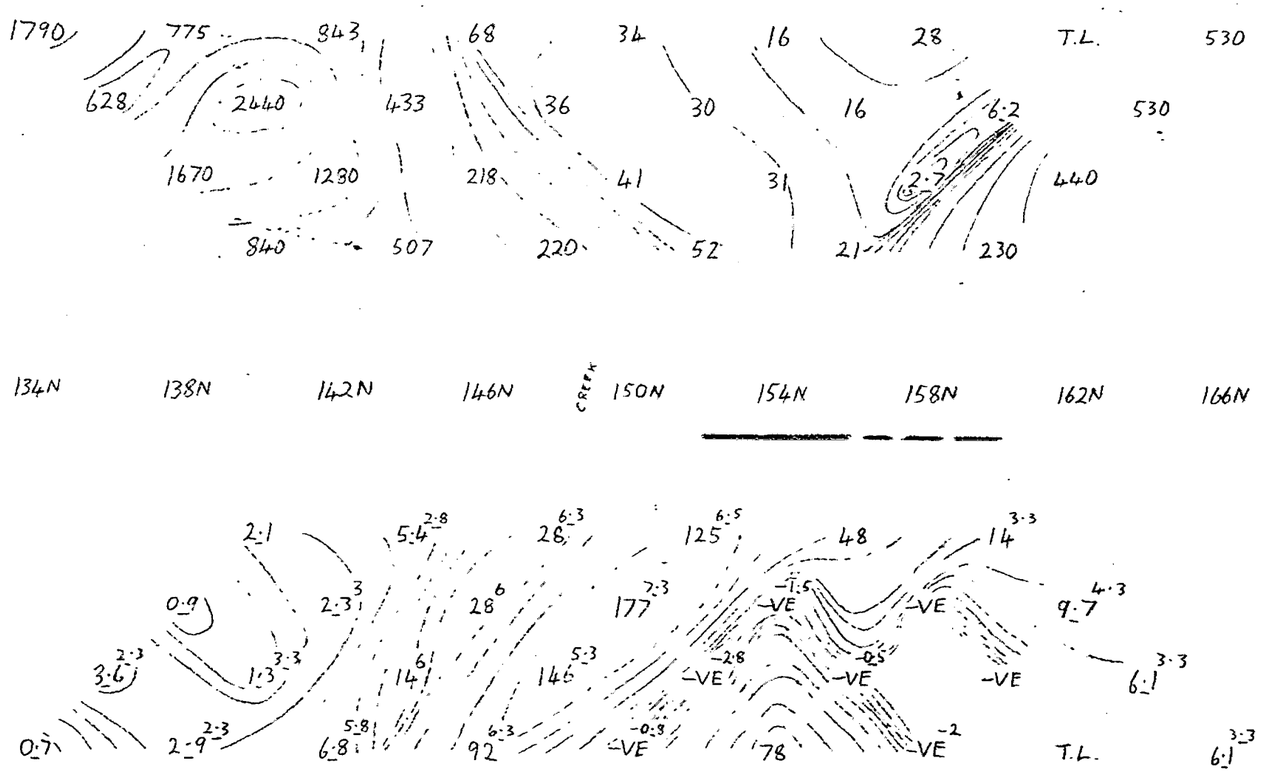
**OLARY 440E**

SPREAD: 300' FREQ.: 1 & 2·5 C.P.S.

DATE 31/8/66

ENV 726(2)-56


Parts per million
Cu. Pb. Zn.
0 4N 8N 12N 16N 20N 24N 28N 32N 36N 40N 44N 48N 52N 56N 60N 64N 68N 72N 76N 80N 84N 88N 92N 96N 100N 104N 108N 112N 116N 120N 124N 128N 132N 136N 140N 144N 148N 152N 156N 160N 164N 168N 172N 176N 180N 184N 188N 192N 196N 200N
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 10 ppm (black)
Mo. 1" = 10 ppm (orange)
Pd. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
Au. 1" = ppm
MINES EXPLORATION PTY. LIMITED
ÓLARY 480E
SPREAD: 400' FREQ.: 3625 C.P.S.
DATE: 20.9.66
ENV 726 (2) - 57




1" 100 ppm (green)
1" 100 ppm (red)
1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Cu. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Zn. 1" = ppm ( )

$\frac{P_a}{2\pi}$

M F.

MINES EXPLORATION PROPRIETARY LIMITED

**OLARY 480E**

SPREAD: 400' FREQ.: 1·3 & 2·5 C.P.S.

DATE 30/8/66

ENV 726(2)-58

. 1" 100 ppm (gr. n)
F 1" 100 ppm (red)
. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
o. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
i. 1" = ppm (purple)
. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
. 1" = ppm ( )

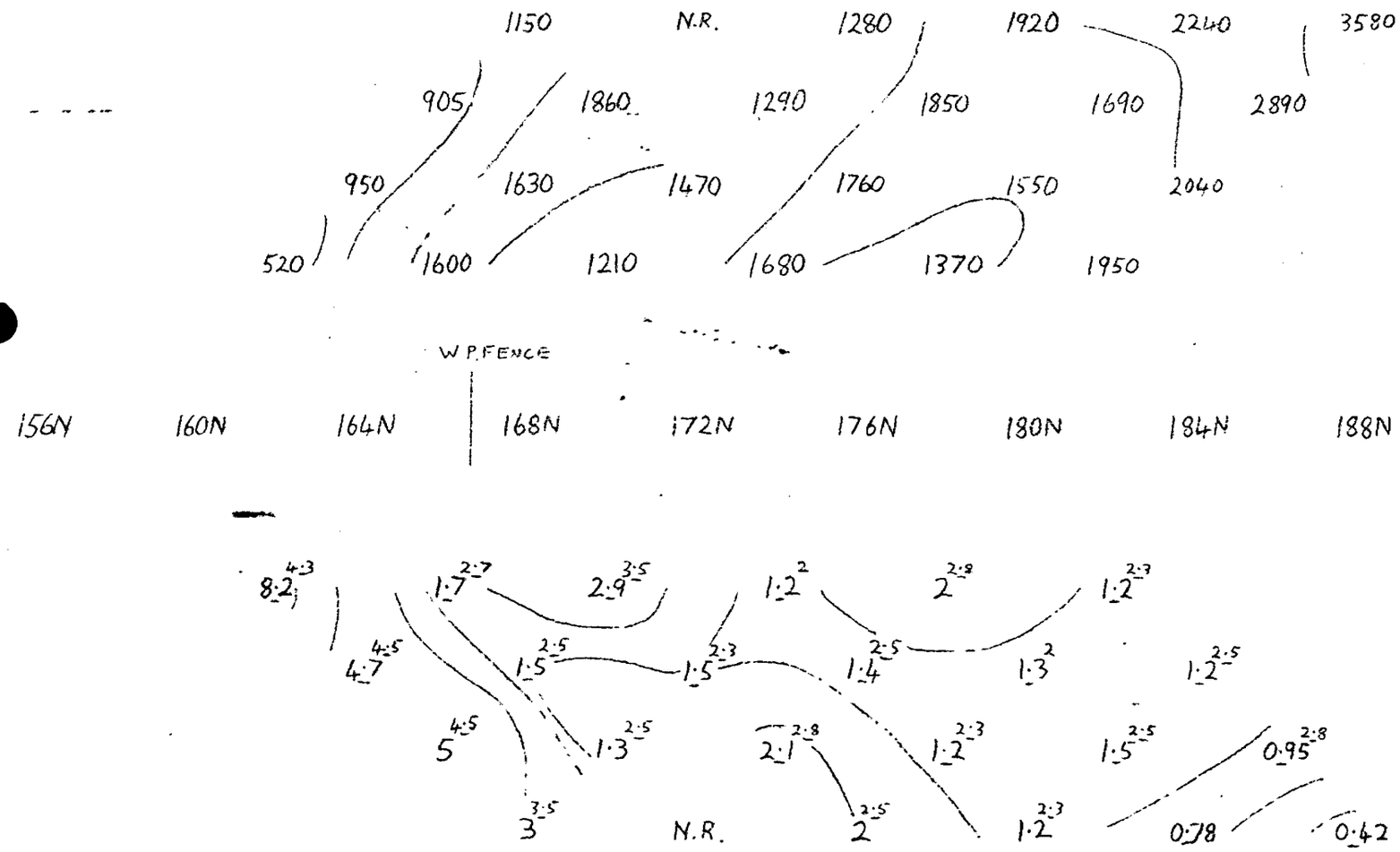
MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 48OE

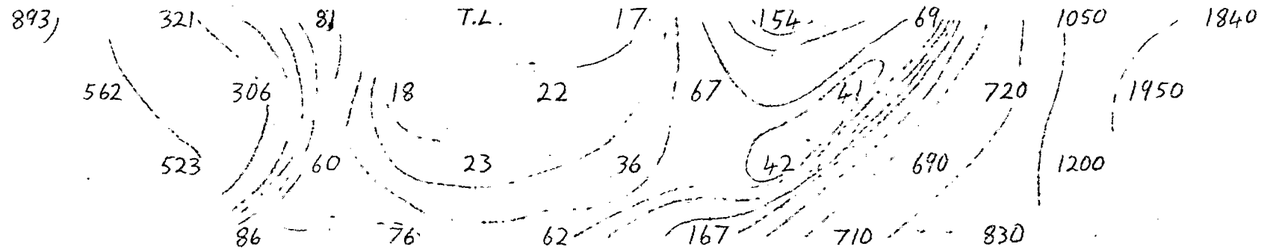
SPREAD: 400' FREQ.: ·3 & 2·5 C.P.S.

DATE 25/ 8 /66

ENV 726(2)- 59



Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sil. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Sb. 1" = ppm ( )




Pa
2T

M F

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 480E

SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 31/8/66

ENV 726(2)-60

Parts per million

| | Cu. | Pb. | Zn. |
|---|---|---|---|
| 136N | 130 | 10 | 25 |
| 140N | 15 | 10 | 20 |
| 144N | 10 | 10 | 20 |
| 148N | 10 | 10 | 25 |
| 152N | 10 | 10 | 25 |
| 156N | 50 | 15 | 105 |
| 160N | 15 | 10 | 55 |
| 164N | 15 | 15 | 60 |
| 168N | 15 | 15 | 80 |
| 172N | 35 | 15 | 65 |
| 176N | 15 | 10 | 40 |
| 180N | 10 | 10 | 50 |
| 184N | 55 | 10 | 25 |
| 188N | 20 | 10 | 30 |
| 192N | 10 | 10 | 25 |
| 196N | 10 | 10 | 45 |
| 200N | 5 | 15 | 50 |
| 204N | | | |
| 208N | | | |
| 212N | | | |
| 216N | | | |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Cu. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
. 1" = ppm ( )

460 190 235 220 208 278 1900 1100 880 1190 1500 2050 2930
1040 157 170 255 179 474 1480 992 923 500 1050 1500 1380 2230
1020 137 175 131 229 3160 683 805 575 868 1180 1220 1400
2000 143 60 236 1670 2750 670 450 953 898 780 1100

136N 140N 144N 148N 152N 156N 160N 164N 168N 172N 176N 180N 184N 188N 192N 196N 200N 204N 208N 212N 216N

W.P. FENCE
CREEK
CATHEDRAL ROCK
CREEK

1·0² 2·7 2·9³ 3·8 33⁴·⁸ 27³·⁷ 19³ 20³·⁸ 104⁶·³ 33⁵·⁸ 35⁶ 22⁵·⁵ 32⁴·³ 22⁵·³ 18⁴ N.R 2·1 2·2 15²·⁹ 30⁶·³ 0·9 1·0³·³ 5·8²·⁸ 12³·³ 0·82 6·2⁴·³ 2·5³·⁸ 2·4⁴·⁵ 6·3⁴·³ 5·3⁴·³ 3·8³·⁸ 3·4³·⁸ 9·5⁴·³ 8·3⁴·⁸ 4·6⁴·³ 3·7³·³ 9⁴·⁵ 1·3 2 0·95 N.R. 3·3³ 1·3 1·8²·⁸ 2·7³·³ 2·2 2·5³·⁸ 2·5³·⁷ 1·6²·³ 1·2 1·4² 1·1²·³ 0·34 0·43

MINES EXPLORATION PROPRIETARY LIMITED
OLARY 520E
SPREAD: 400' FREQ.: 2·5 C.P.S.
DATE 29/ 8 /66

M.F.

ENV-726(2)-61

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Sb. 1" = ppm ( )

Parts per million

| | Co. | Pb. | Zn. |
|---|---|---|---|
| 116N | 15 | 10 | 25 |
| 120N | 15 | 10 | 30 |
| 124N | 95 | 10 | 25 |
| 128N | 65 | 10 | 35 |
| 132N | 30 | 10 | 40 |
| 136N | 30 | 10 | 25 |
| 140N | 15 | 10 | 40 |
| 144N | 25 | 15 | 40 |
| 148N | 65 | 10 | 50 |
| 152N | 250 | 15 | 70 |
| 156N | 45 | 10 | 60 |
| 160N | 15 | 10 | 50 |
| 164N | 10 | 10 | 50 |
| 168N | 50 | 10 | 40 |
| 172N | 20 | 10 | 50 |
| 176N | | | |
| 180N | | | |
| 184N | | | |
| 188N | | | |
| 192N | 25 | 10 | 35 |
| 196N | 35 | 10 | 50 |
| 200N | 15 | 10 | 40 |
| 204N | 25 | 10 | 40 |
| 208N | 30 | 10 | 50 |
| 212N | 65 | 10 | 55 |
| 216N | 40 | 10 | 50 |
| 220N | 95 | 10 | 60 |
| 224N | 60 | 25 | 25 |
| 228N | 25 | 10 | 40 |
| 232N | 15 | 10 | 40 |
| 236N | 10 | 10 | 25 |
| 240N | 15 | | |
| 244N | | | |

1470 1780 745 329 N.R. 867 1040 440 536 690 N.R. 430 365 231 437 1270 N.R. 977 860 462 279 218 N.R. 1500 2280 2400 1560

1200 1020 595 560 910 857 493 388 1760 1050 103 215 385 442 1030 760 570 453 435 352 191 458 1360 1320 2300 1720

670 852 920 565 1130 356 417 1370 2210 515 58 260 547 890 685 593 289 231 328 224 183 910 1100 1250 1530

660 968 852 756 430 256 1160 1540 840 256 243 320 745 510 523 266 127 197 174 404 600 810 910 685

WIDE CREEK

WIPPENCE

116N 120N 124N 128N 132N 136N 140N 144N 148N 152N 156N 160N 164N 168N 172N 176N 180N 184N 188N 192N 196N 200N 204N 208N 212N 216N 220N 224N 228N 232N 236N 240N 244N

4.9 4.4 3.2 4.3 2.5 9.8 2.8 1.8 2.1 4.9 9.3 9.4 3.4 4.4 4.3 5.6 12 17 19 4.3 0.64 3.1 1.9 1.5

4.8 3.2 3.5 5.8 2.4 4.9 3 3.1 1.1 3.9 24 14 5 2.3 2.9 3 4.3 13 8.4 17 6.8 2.5 2 1.2 0.65

2.3 3.2 2.9 4.5 3 3.8 4.6 5.2 1.8 2.1 2.9 15 7.8 3.4 1.7 2.6 6.6 7.2 7.5 9.2 17 2.2 0.93 2.5 0.76 0.45

1.2 1.8 3 5.3 N.R. 4.3 3.1 8 4.7 3.6 N.R. 5.2 5.8 13 6.3 1.6 N.R. 4.4 2.4 4.9 8.1 6.9 N.R. 0.67 0.88 0.31 0.16

M. F.

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 560 E

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 9 / 9 /66

ENV 726(2)-62

Parts per million

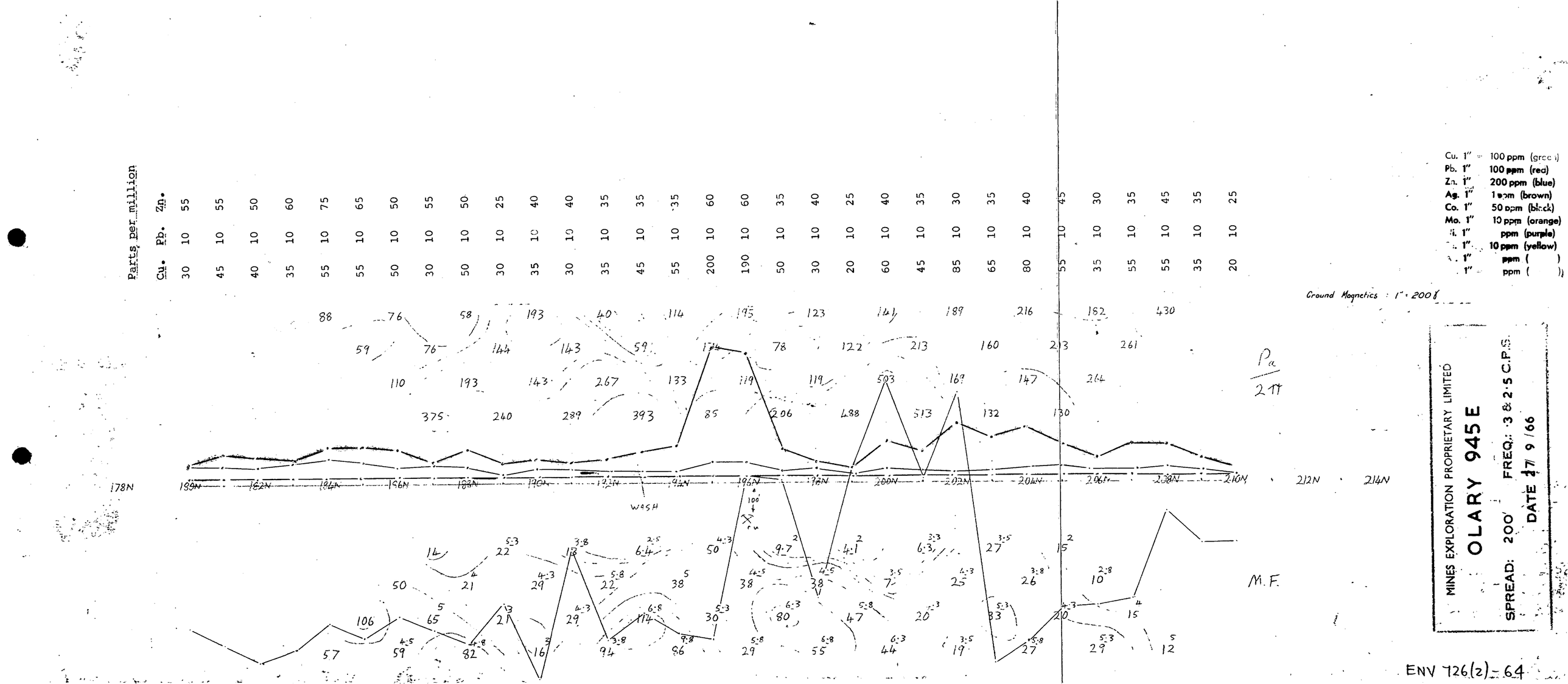
| 66. | Pb. | Zn. |
|---|---|---|
| 25 | 10 | 55 |
| 25 | 10 | 55 |
| 25 | 10 | 50 |
| 20 | 10 | 45 |
| 20 | 10 | 40 |
| 25 | 10 | 40 |
| 45 | 10 | 50 |
| 50 | 10 | 45 |
| 45 | 10 | 50 |
| 60 | 10 | 45 |
| 105 | 10 | 45 |
| 200 | 10 | 45 |
| 120 | 10 | 45 |
| 60 | 10 | 55 |
| 30 | 10 | 45 |
| 20 | 10 | 30 |
| 15 | 10 | 35 |
| 25 | 10 | 35 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm (
1" = ppm (

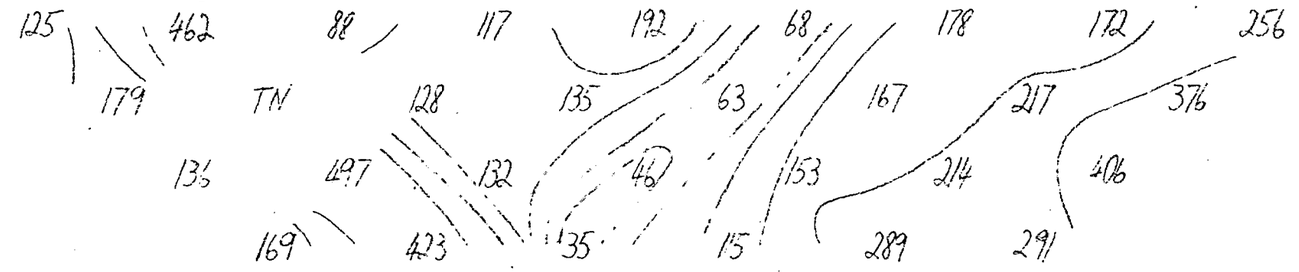
Ground Magnetics. 1" = 200 γ

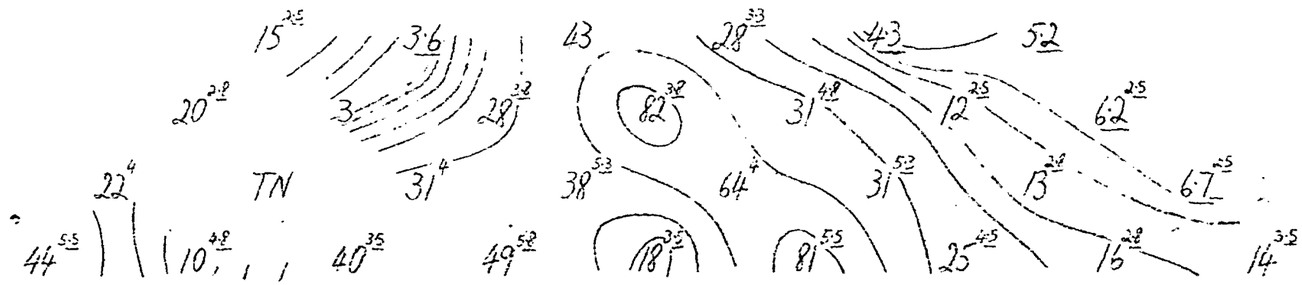
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 940E
SPREAD: 200' FREQ.: 3 & 2·5 C.P.S.
DATE 26/9/66

ENV. 126(2)-63


Parts per million
Cu. Pb. Zn.
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
1" = ppm (purple)
1" = 10 ppm (yellow)
1" = ppm ( )
1" = ppm ( )
Ground Magnetics : 1" = 200ft
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 945E
SPREAD: 200' FREQ.: 3 & 2·5 C.P.S.
DATE 17/9/66
178N
180N
182N
184N
186N
188N
190N
192N
194N
196N
198N
200N
202N
204N
206N
208N
210N
212N
214N
WASH
M.F.
ENV 726(2)-64

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
A.. 1" = ppm ( )
1" = ppm ( )




188N 189N 190N 191N 192N 193N 194N 195N 196N 197N 198N 199N 200N 201N 202N

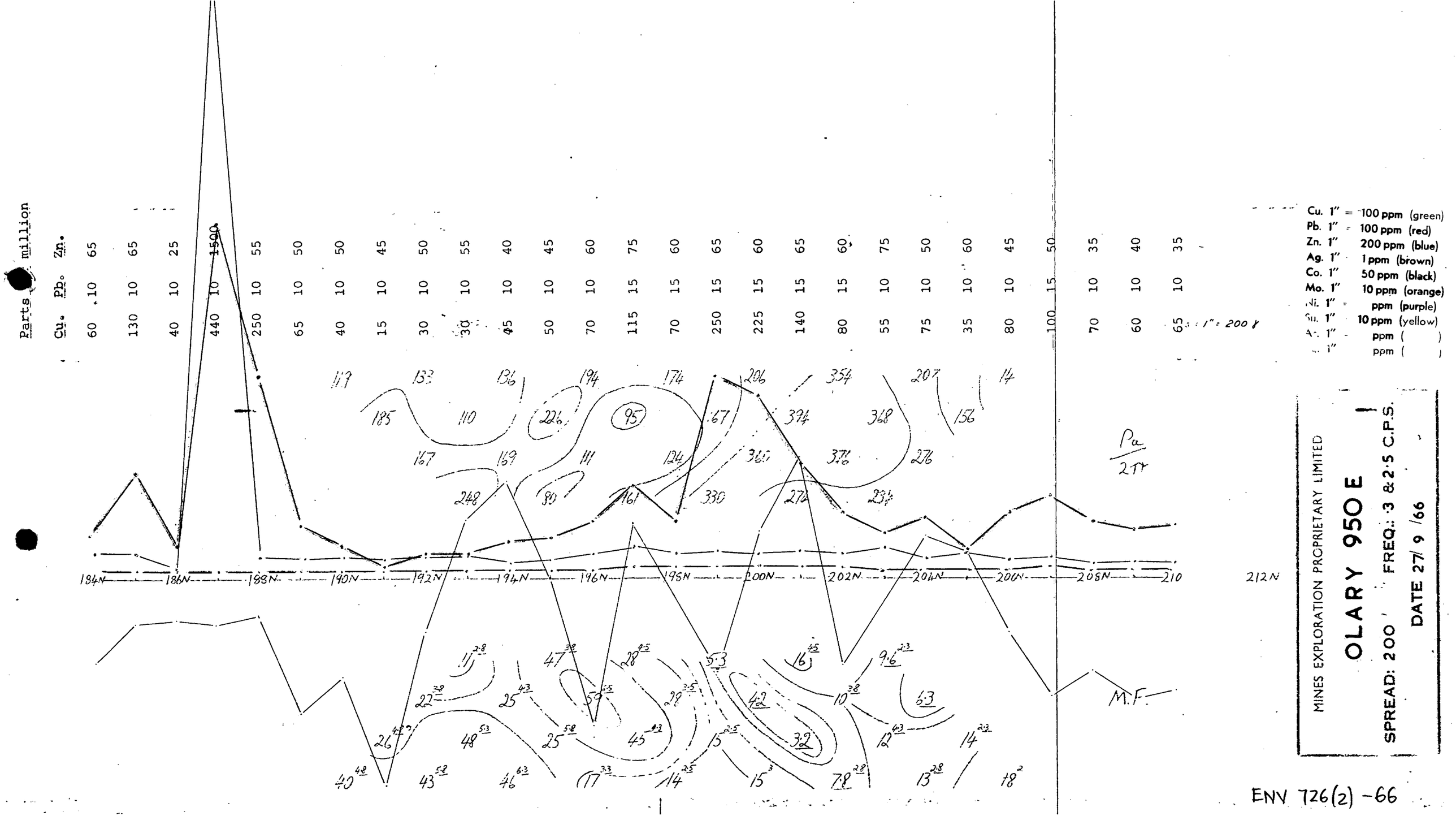
MINES EXPLORATION PROPRIETARY LIMITED

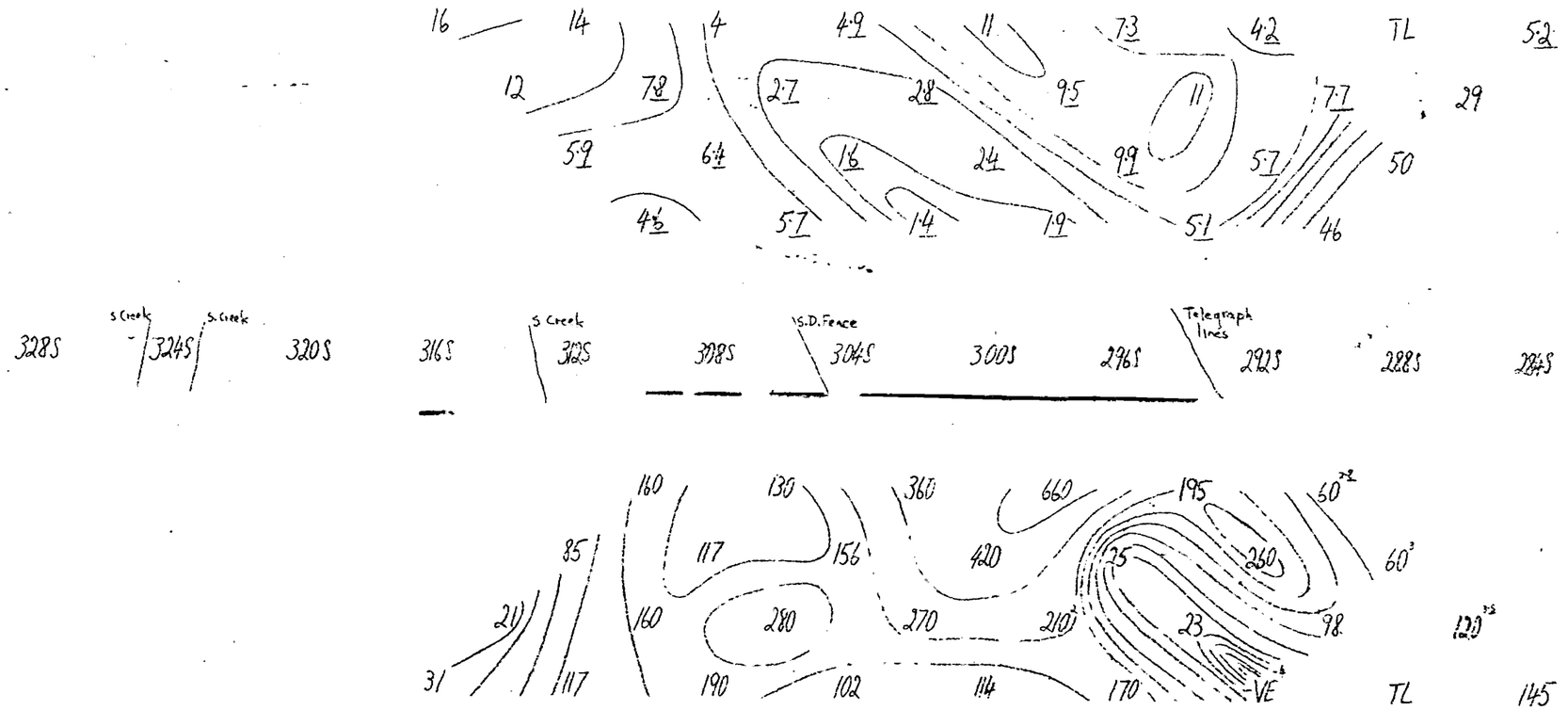
OLARY 945E

SPREAD: 100' FREQ.: 3 & 2·5 C.P.S.

DATE 27/9/66

ENV 726(2)-65


Parts per million
Cu. Pb. Zn.
Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Cu. 1" = 10 ppm (yellow)
Ag. 1" = ppm ( )
Co. 1" = ppm ( )
1" = 200 ft
184N
186N
188N
190N
192N
194N
196N
198N
200N
202N
204N
206N
208N
210
212N
Pa
2TT
M.F.
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 950 E
SPREAD: 200 ' FREQ.: 3 & 2·5 C.P.S.
DATE 27/ 9 /66
ENV 726(2) -66




1" 100 ppm (gr. . .)
1" 100 ppm (red)
1" 200 ppm (blue)
As. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" = ppm (purple)
U. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
1" = ppm ( )

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 400 E

(25°off)

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 1/8/66

ENV 726(2)-67

N

Triangle Hill

Pimpena Hill

Boolcoomata Hill

Antro W.S.

Bimbowrie H.S.

Binberrie Hill

Old Boolcoomata H.S.

Cathedral Rock

Drew Hill

Ameroo Hill

Outalpa Hill

Bulloo Creek H.S.

Outalpa H.S.

Sill

McDonald Hill

McDONALD HILL

King Bluff

OLARY

Weekeroo H.S.

BASE LINE 00

BASE LINE 268 S

LINE 760 E
LINE 720 E
LINE 680 E
LINE 640 E
LINE 600 E
LINE 560 E
LINE 520 E
LINE 480 E
LINE 440 E
LINE 400 E
LINE 360 E
LINE 320 E
LINE 280 E
LINE 240 E
LINE 200 E
LINE 160 E
LINE 120 E
LINE 80 E
LINE 40 E

LINE 180 N
LINE 160 N
LINE 140 N
LINE 120 N
LINE 100 N
LINE 80 N
LINE 60 N
LINE 40 N
LINE 20 N
LINE 00
LINE 20 S
LINE 40 S
LINE 60 S

## LEGEND

PROTEROZOIC

ARCHEAN

GNEISS

AMPHIBOLITES

MIGMATITES

GRANITE

ADAMELLITE

And Andalusite
Apt. Apatite
Ba. Barite
Be. Beryllium
Cu. Copper
Sil. Sillimanite
Fels. Felspar
Ta. Tantalum
Au. Gold
U. Uranium

Mine Workings

Dam

Trunk Road

Track

Railway

Pegged Geophysical Grid

Proposed Geophysical Grid

PLAN POSITION
I.P. ANOMALY
WEAK I.P. ANOMALY

Env 554

MINES EXPLORATION PTY. LTD.

# COMPOSITE PLAN S.M.L. 90

# OLARY PROVINCE, S.A.

SCALE 1" = 1 MILE

ENV 554 - 1

PROTEROZOIC

QUARTZITE – OFTEN CROSS BEDDED

QUARTZ MAGNETITE / B.I.F.

G DARK GREY BLACK F.G. SILTSTONES : 'G' DENOTES GRAPHITE

TILLITE

ARCHAEAN

QUARTZ MAGNETITE / B.I.F.

C.G. TO F.G. PEGMATITE + APLITIC PEGMATITE ± MINOR APLITE

QUARTZ

PEGMATITE

G GENERALLY KNOTTED MICA GNEISS + PEGMATITIC TYPES + MINOR GRANITE GNEISS 'G' DENOTES GRAPHITIC MICA SCHIST

Cu : Copper Occurrence – generally associated with Oz. Veins or B.I.F

Py : Pyrite

L : Pits in Laterite

Fences

Tracks

Roads

SURFACE PROJECTION I.P. ANOMALIES

400' —— DEFINITE (400' electrode spread length)

400' – – – – PROBABLE ( " " " " )

400' ////// POSSIBLE ( " " " " )

OLARY – BIMBOWRIE ROAD

OLARY – OUTALPA ROAD

Bore

Bore

"AMBINGA"

Olary Silver Mine

PROT. QTE.

Magnetics suggest possible steep S dip to B.I.F.

280E 290E 300E 310E 320E 330E 340E 350E 360E 370E 380E 390E 400E

264S 272S 280S 288S 296S 304S 312S 320S 328S 336S 344S 352S 360S 372S 380S 396S

25° crossline

50° collar

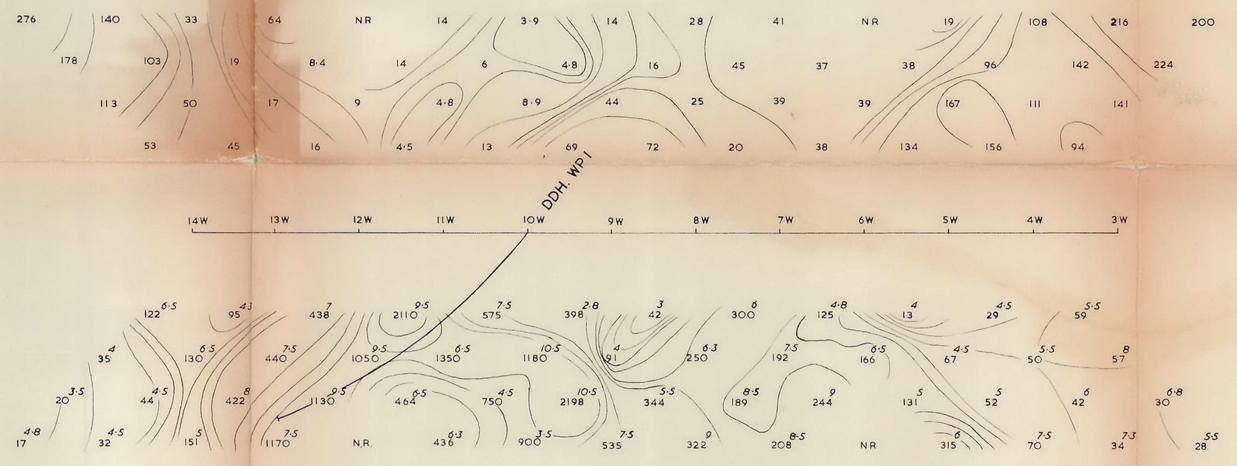
Env 554

MINES EXPLORATION PTY. LTD.

# COMPOSITE PLAN
# SHOWING GEOLOGICAL & GEOPHYSICAL RESULTS
# ABMINGA ANOMALY, OLARY DISTRICT

PLAN NO. OD/14

SCALE 1" = 1000'

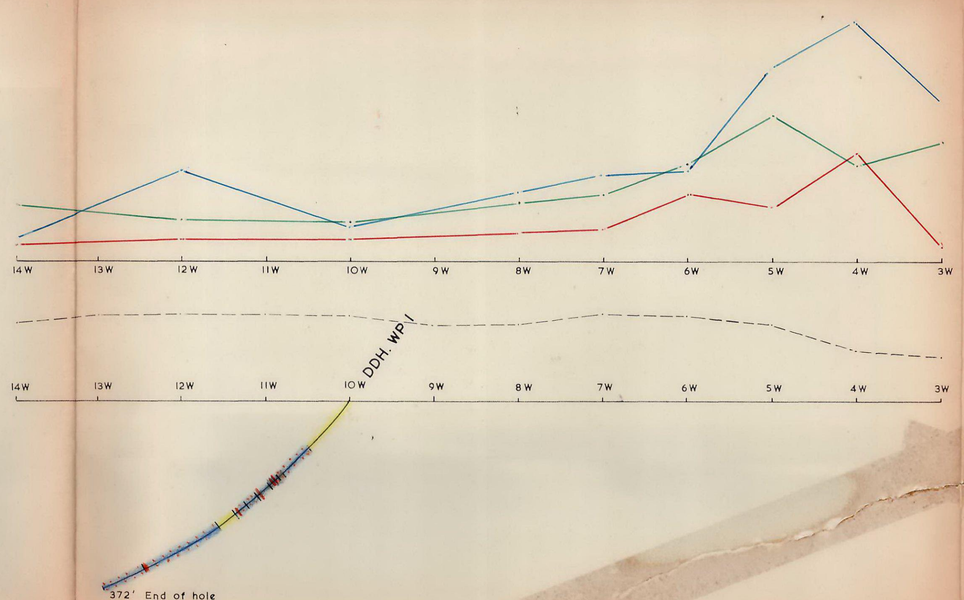



(e/2π)a

*APPARENT FREQUENCY EFFECT*

APPARENT METAL FACTOR

FREQUENCIES 1/4 & 2·5 c.p.s.




Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)

GEOCHEMICAL PROFILE

*RESULTS DETERMINED BY A.A.S. METHOD*
*C Soil Horizon*
*-80 mesh*

GROUND MAGNETICS - - - - - - -
Vertical Scale 1" = 200 γ

GEOLOGY

- Quartz Biotite Feldspar Gneiss (weak granite gneiss)
- Quartz Biotite Sericite schist, gneiss and granulite
- Graphite developments.
- Pyrite (and very rare chalcopyrite) mineralisation.

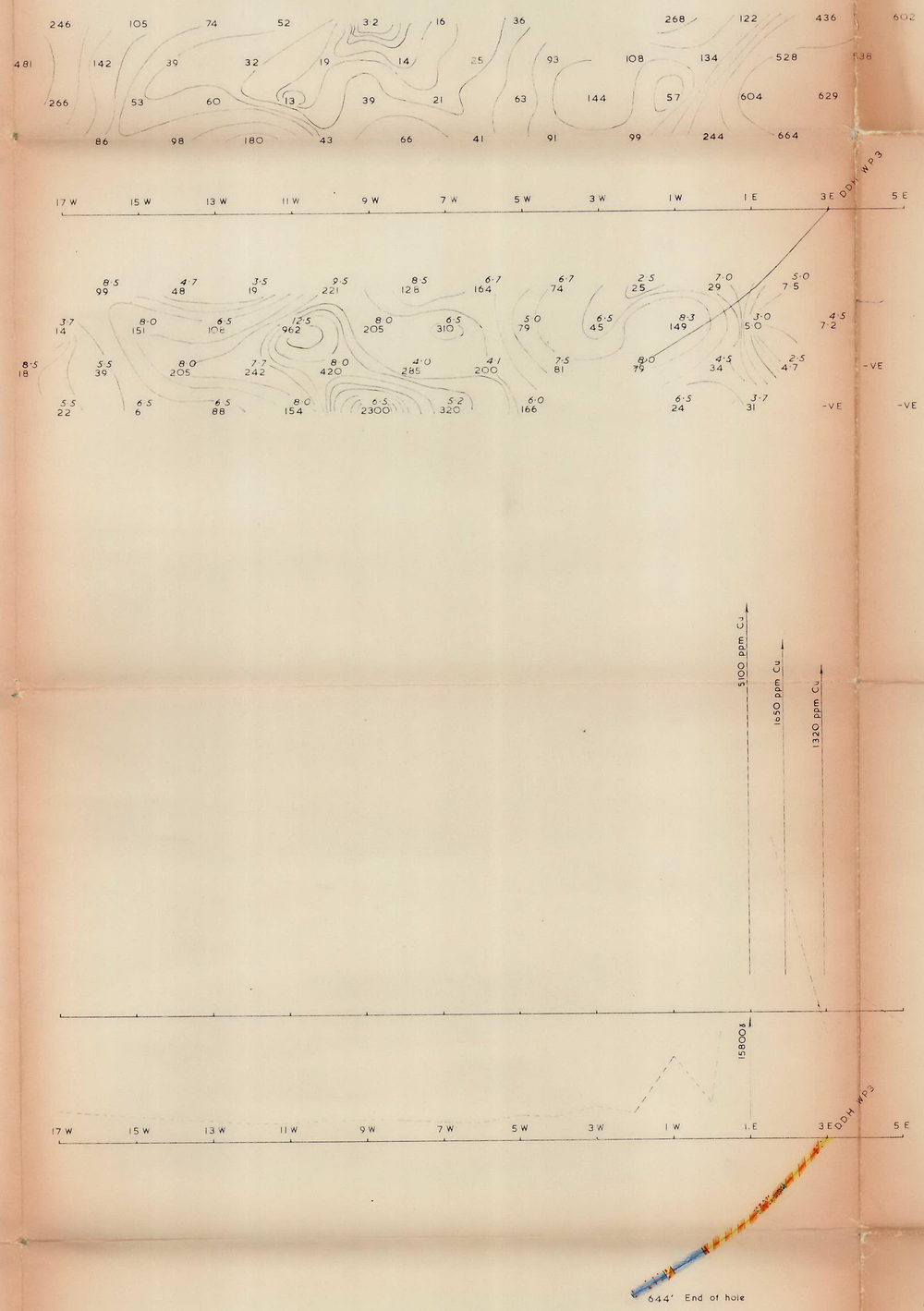
Env 554

MINES EXPLORATION PTY. LTD.

# WALPARUTA SOUTH AUSTRALIA

## CROSS SECTION ON LINE 4S

SCALE 1" = 100'




(e/21)a

*APPARENT FREQUENCY EFFECT*

## APPARENT METAL FACTOR

*FREQUENCIES 1/4 & 2·5 c.p.s*

Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)

## GEOCHEMICAL PROFILE

*RESULTS DETERMINED BY A.A.S. METHOD*
*C soil horizon*
*-80 mesh*

## GROUND MAGNETICS ----------

Vertical Scale: 1" = 1000 δ

## GEOLOGY

Quartz feldspar biotite rock resembles aplite and aplitic granite gneiss of the Broken Hill Province in part.

Quartz biotite sericite schist gneiss and granulite.

Disseminated chalcopyrite except in the section 163'—124' where it occurs as scattered blebs veinlets and dissemination.

Magnetite.

Env 554

MINES EXPLORATION PTY. LTD.

# WALPARUTA SOUTH AUSTRALIA

# CROSS SECTION ON LINE 2N

SCALE 1" = 200'

ENV 554-5

20W 18W 16W 14W 12W 10W 8W 6W 4W 2W 0 2E 4E 6E 8E 10E 12E 14E 16E 18E

15N 12N 10N 6N 4N 2N 0 2S 4S 6S 10S 15S

TRAVERSES FROM S-6 – NEGATIVE

S-8 S-11 S-10 S-9 S-11 S-8 S-9 S-11 S-8 S-9 S-11 S-10 S-9 S-10 S-9 S-9 S-11 S-8 S-11 S-11 S-9 S-9

S-7 S-7 S-7 S-7 WKGS S-7

S-2 S-2 S-6 S-1 S-1 S-2

2 REM 2 REM

S-3 S-3 S-3 S-4 S-4 S-4 S-3 S-3 S-3 S-4 S-4 shaft shaft S-4 S-3 S-3 -50° COLLAR DD WAI S-4 S-4 S-4 S-3 S-4 S-3 S-4 S-4 S-5 S-5 S-5 S-4 S-4 S-5 S-5

M N

E.M. PROFILE SCALE 1" = 20°

E.M. PROFILE 5000 c.p.s. --------

E.M. PROFILE 1000 c.p.s. ——

Env 554-726(3)

MINES EXPLORATION PTY. LTD.

# RECONNAISSANCE E.M. PROFILES

# WALPARUTA (OLARY) S.A.

PLAN SCALE 1" = 200'

N

LINE 15N — 30 W — 0 — 30 E

LINE 12N — 20 W — 0 — 20 E

LINE 10N — 20 W — 0 — 20 E

(core reading only)

LINE 6N — 20 W — 20 E

LINE 4N — 20 W — 20 E

LINE 2N — 20 W — 20 E

LINE 00 — 21 W — 21 E

LINE 2S — 20 W — 20 E

LINE 4S — 20 W — 20 E

LINE 6S — 20 W — 20 E

DDH. WP 3

DDH. WP 2

DDH. WP 1

Track to Weekeroo

LINE 10S — 30 W — 0 — 30 E

LINE 15S — 30 W — 0 — 30 E

BROWN CLAYEY SAND

GRANITE GNEISS - META ARKOSE

MASSIVE GREY AND PINK QUARTZITE

MAGNETITE QUARTZITE

BOITITE SCHIST

Q QUARTZ

GRANODIORITE WITH MINOR BIOTITE

COARSE-MEDIUM GRAINED PEGMATITE WITH MINOR MUSCOVITE

GEOLOGY BY S.A. MINES DEPARTMENT

PLAN POSITION

I.P. ANOMALY

WEAK I.P. ANOMALY

Env 554

MINES EXPLORATION PTY. LTD.

# I.P. GRID LAYOUT
# OVER MINING LEASE Nº 8082
# WALPARUTA AREA, S.A.

SCALE 1" = 200'

ENV 554-7




Env 554

MINES EXPLORATION PTY. LTD.

# GEOCHEMICAL ZINC CONTOURS

## WALPARUTA (OLARY) S.A.

PLAN SCALE 1" = 200'

VALUES SHOWN IN PARTS PER MILLION
SOIL SAMPLES,— 80 MESH, AAS DETERMINATION




7211(3)

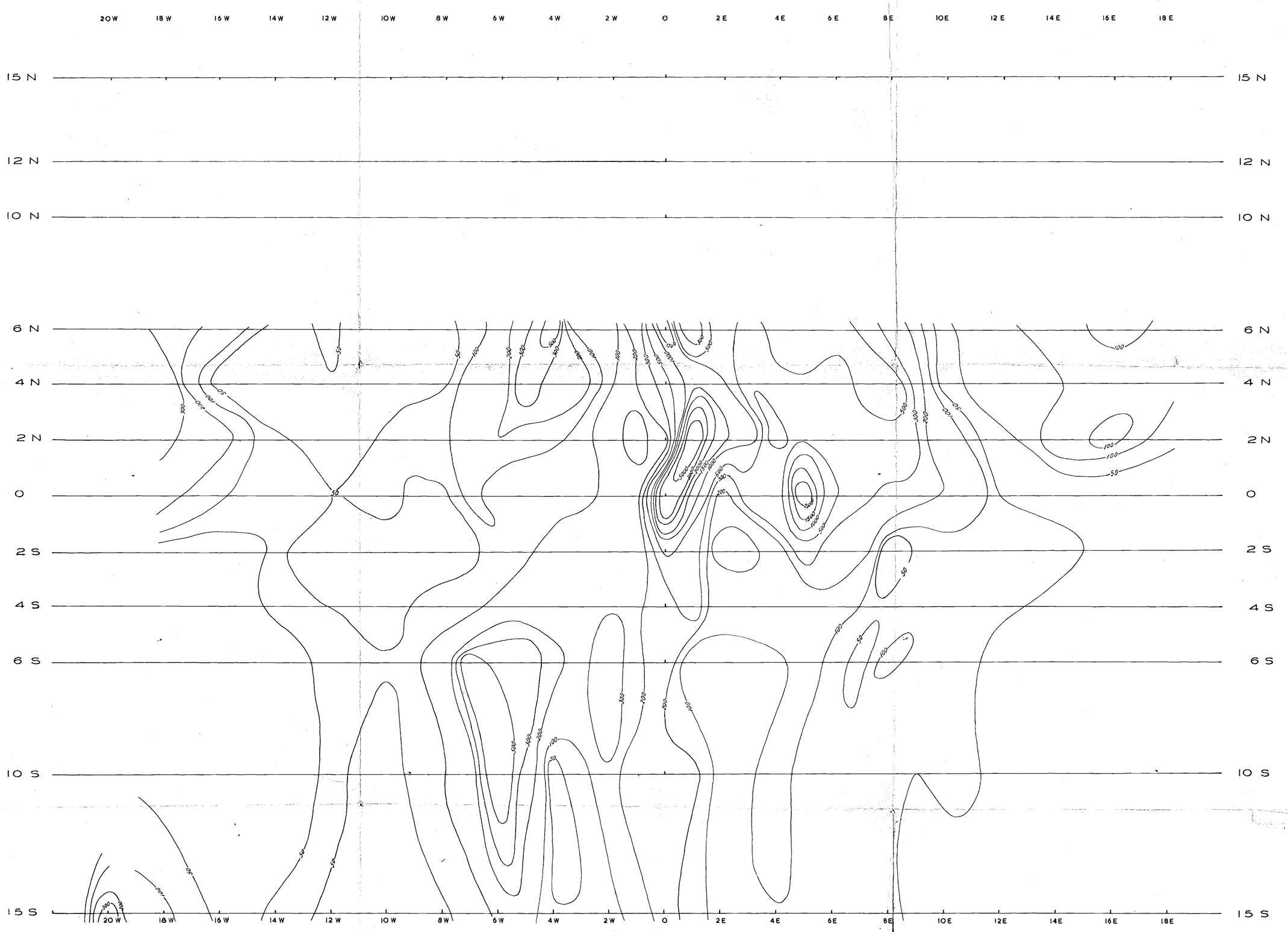
Env 554

MINES EXPLORATION PTY. LTD.

# GROUND MAGNETIC CONTOURS

# WALPARUTA (OLARY) SA.

PLAN SCALE 1" = 200'




Env 726 554

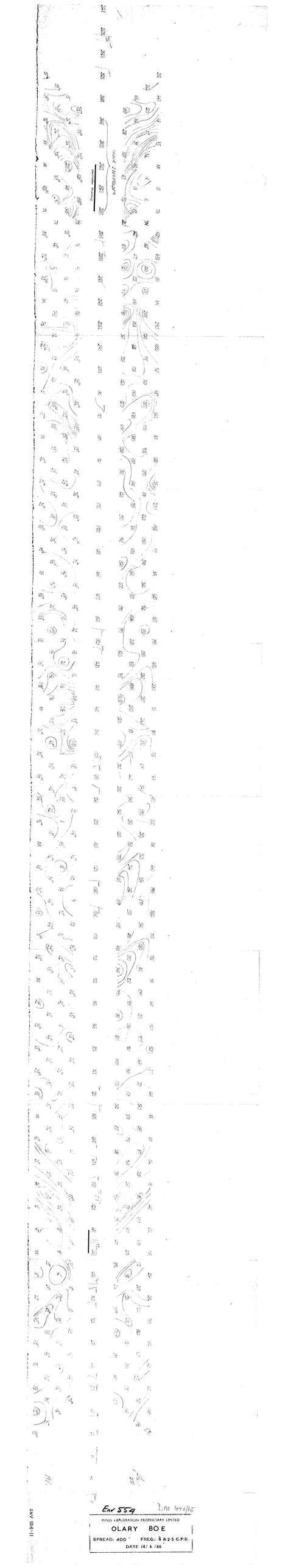
MINES EXPLORATION PTY. LTD.

# GEOCHEMICAL COPPER CONTOURS

# WALPARUTA (OLARY) S.A.

PLAN SCALE 1" = 200'

VALUES SHOWN IN PARTS PER MILLION
SOIL SAMPLES, – 80 MESH, AAS DETERMINATION




Env 554

Dm temples

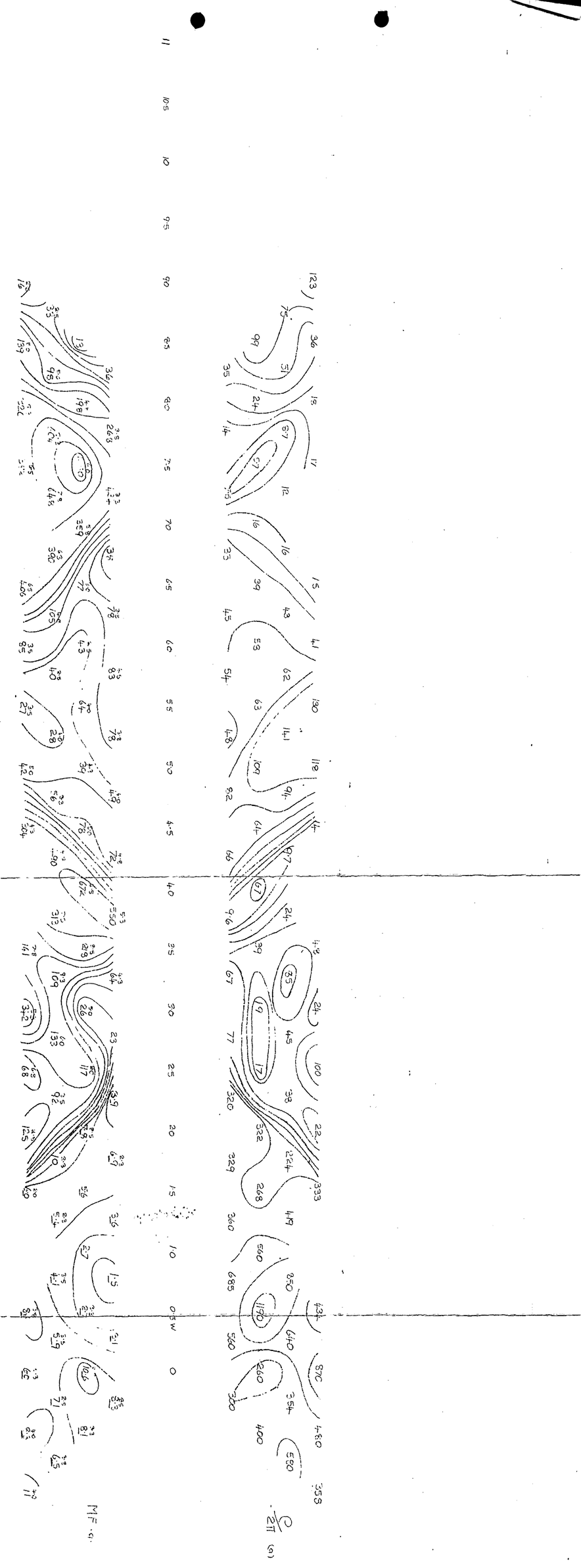
MINES EXPLORATION PROPRIETARY LIMITED

OLARY 80E

SPREAD: 400' FREQ: 4 & 2.5 C.P.S.

DATE: 14/6/66

ENV 554-11



MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 2S

SPREAD: 50' FREQ: 0·3 & 2·5 C P S

14 · 12 · 65

ENV 628(1)-1

~~ENV 628A~~

ENV 628(1)-2

~~KM 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 2S

SPREAD: 100'  FREQ: 0·3&2·5 CPS

14 · 12 · 65

87 72 63 94 1050 84-5 1130 1100

63 37 62 605 600 710 1060 1330

31 53 474 905 360 800 1100

36 300 988 462 330 726

C/2π (a)

7 6 5 4 3 2W 1W 00 1E 2E 3 4 5

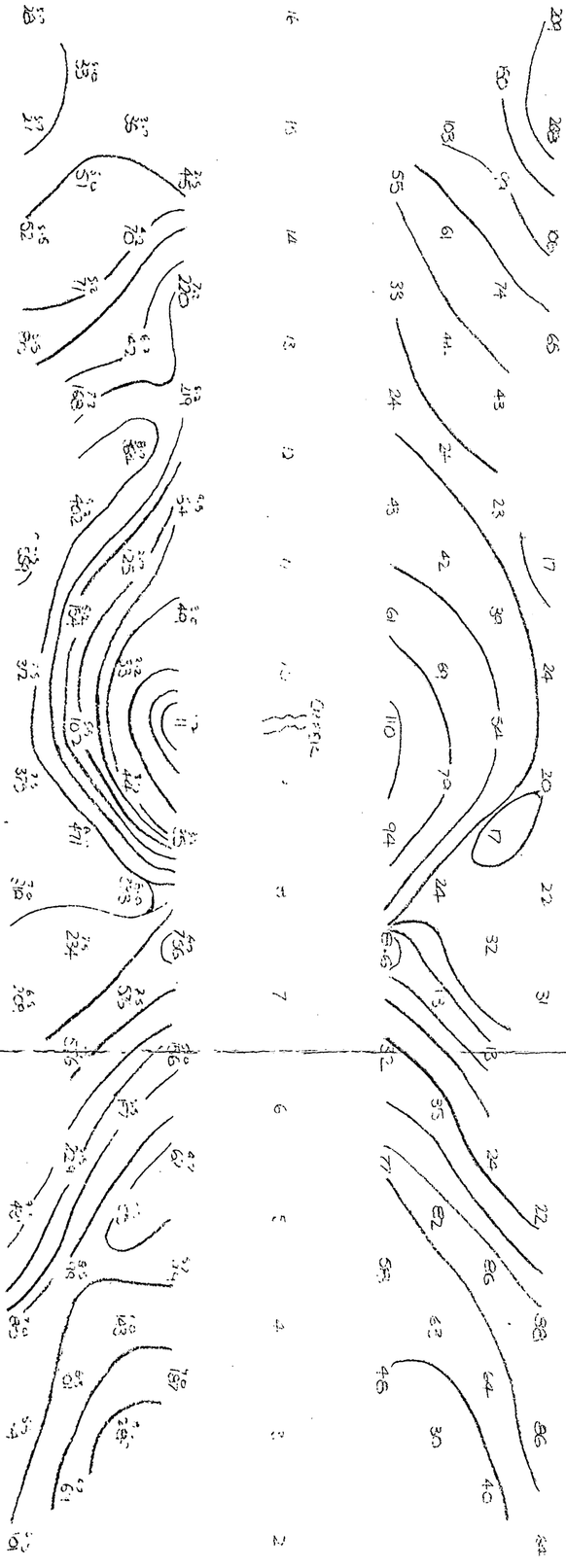
MF (a)

4·0 111 2·8 9·2 2·5 2·5 4·0 8·7 3·3 9·9 5·5 7·6

7·5 232 4·3 80 4·0 8·5 5·0 4·8 1·5 4·3 5·3 6·5 2·3

7·3 115 7·0 189 6·5 105 6·3 8·7 7·1 4·0 5·6 4·5 4·2 9·3 2·4

5·8 66 5·5 76 7·0 111 6·5 69 4·5 4·3 5·3 6·2 4·3 4·1 2·3 2·9



M. E. P. L.

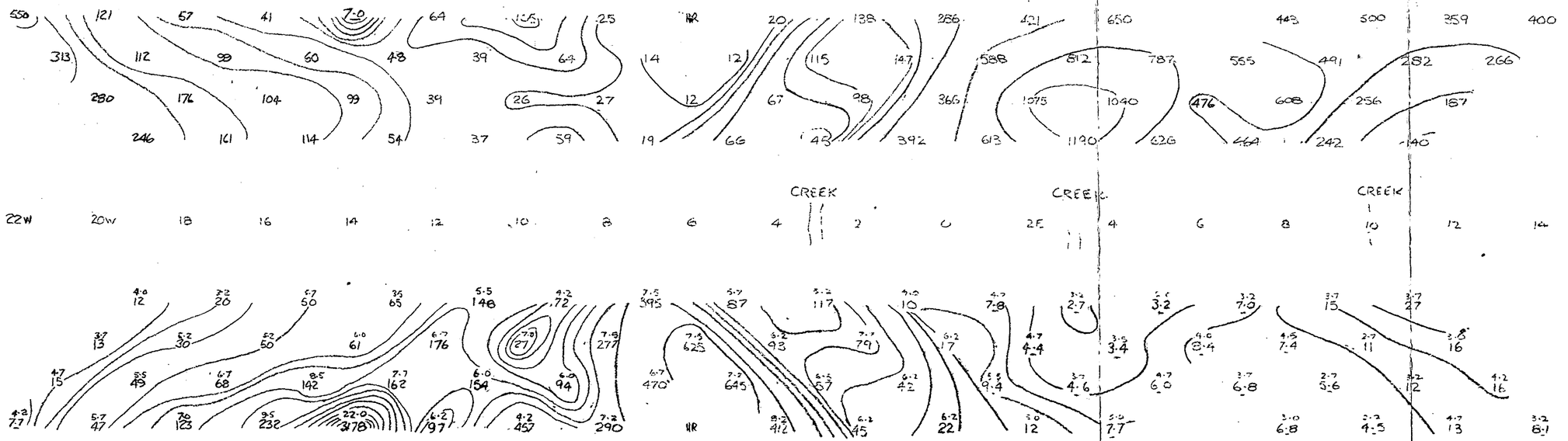
# WALPARUTA 2 S

SPREAD: 100' FREQ: 1/4 & 2·5 CPS

30 · 10 · 65

ENV 628 (1) - 3

~~ENV 628 A~~




M. E. P. L.

# WALPARUTA 2 S

SPREAD: 200' FREQ: 1/4 & 2·5 C.P.S.

5 · 10 · 65

ENV 628(1)-4

ENV 628(1)-5

M. E. P. L.

# WALPARUTA 2S

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

30 · 10 · 65

31W 28 25 22 19 16 13 10 7 4 1 2E 5 8 11E

ENV 6281(1) -6

M. E. P. L.

# WALPARUTA 4S

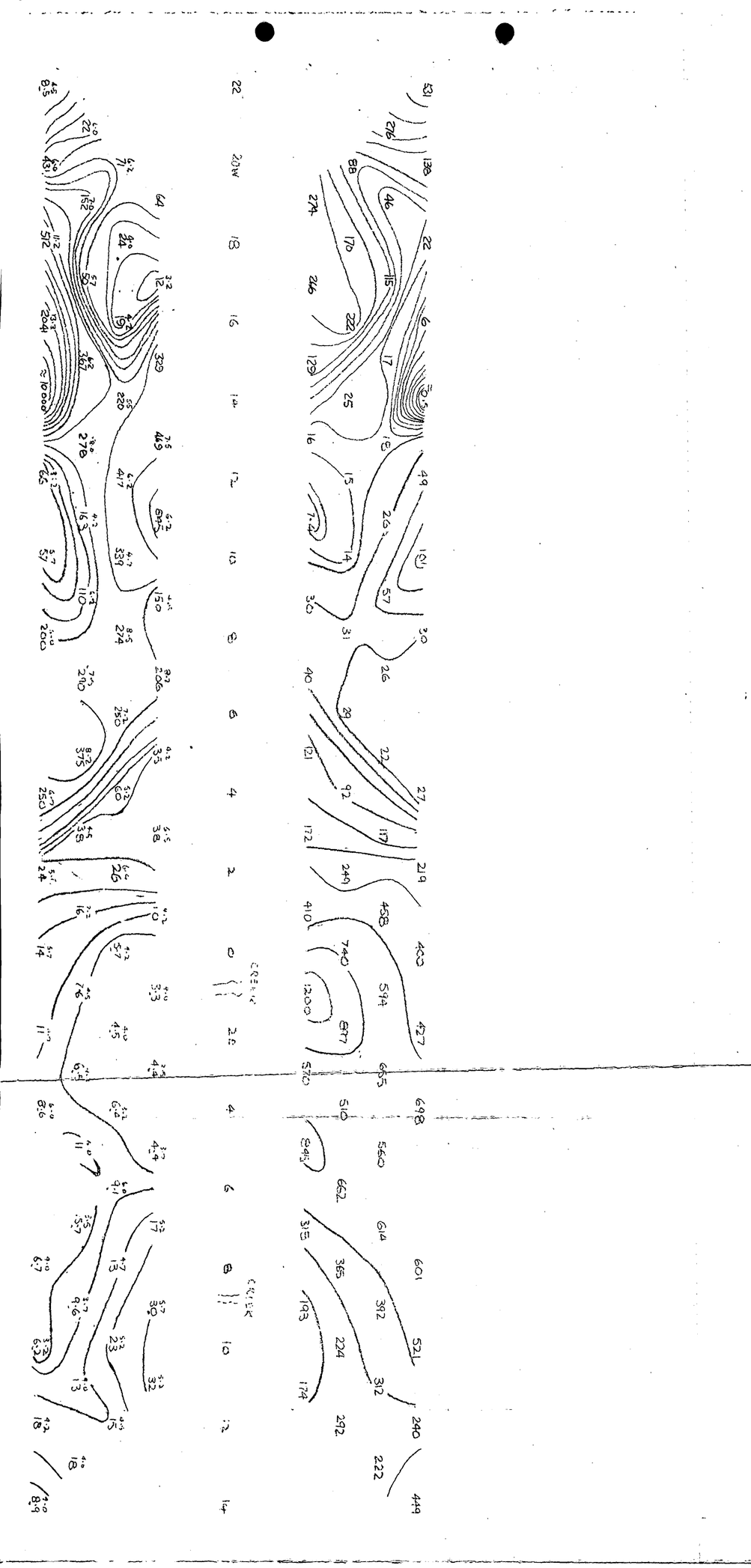
SPREAD: 100' FREQ: 1/4 & 2·5 CPS

27 · 10 · 65

19W 18W 17W 16W 15W 14W 13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 3W 2W 1W 0 1E

Pu 21

M.I.



M. E. P. L.

# WALPARUTA 4S

SPREAD: 200' FREQ: 1/4 & 2·5 CPS

5 · 10 · 65

ENV 628(1)-7

ENV 628(1)-8

M. E. P. L.

# WALPARUTA 4 S

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

29 · 10 · 65

ENV 628(1)-9

~~#8274~~ ~~ANS~~

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 6S

SPREAD: 200' FREQ: 0·3 & 2·5 CPS

15 · 12 · 65

2 TT (9)

1 F (9)

Dry Creek

5 3 1W 1E 3 5 7 9 11 13 15 17 19 E

M. E. P. L.

**WALPARUTA 6S**

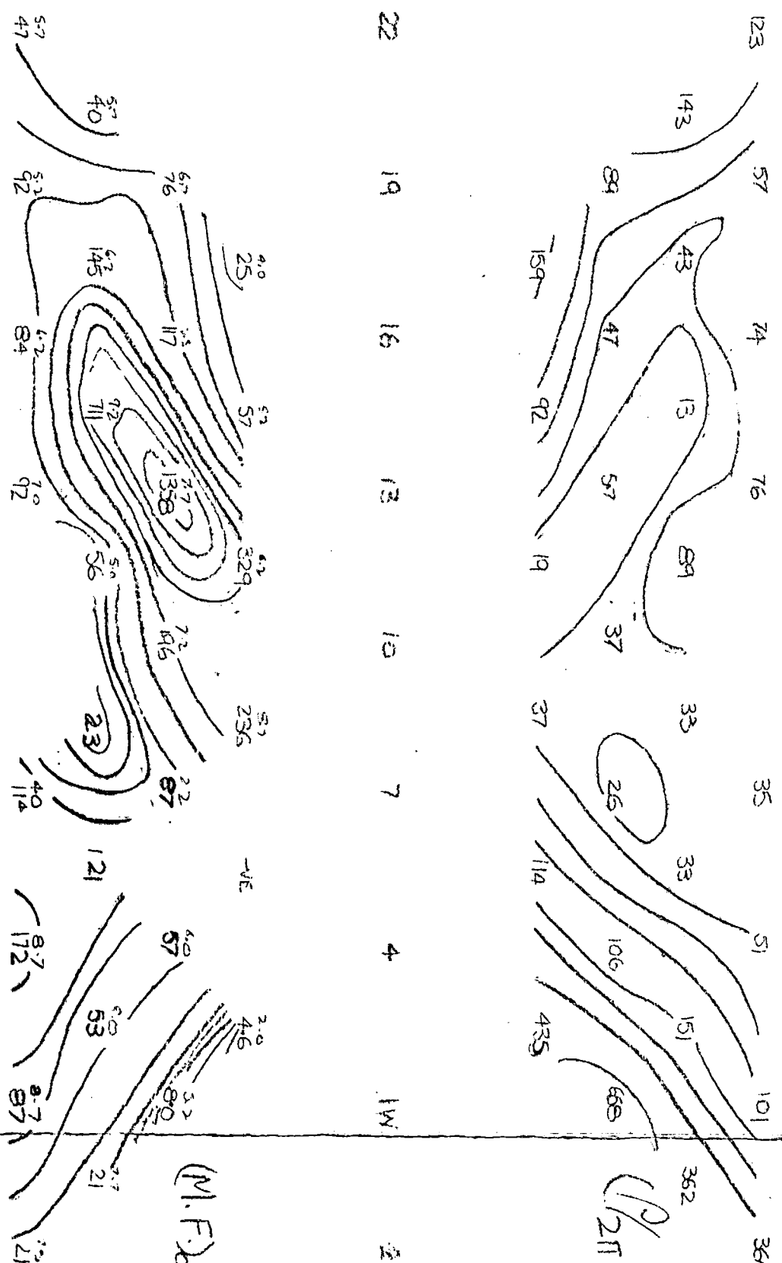
SPREAD: 200' FREQ: 1/4-2.5 CPS

8 · 10 · 65

ENV 628(1)-10

22W 20W 18 16 14 12 10 8 6 4 2W 0 2 4 6 8 10 12 14 16 18 20E

M.F.




M. E. P. L.

# WALPARUTA 6 S

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

30 · 10 · 65

ENV 628(1)-11

~~ENV 628A~~

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA IOS

SPREAD: 200' FREQ. 0·3 & 2·5 C.P.S.

DATE 12/5/66

ENV 628(1)-1

ENV 628(1)-13

ENV 628A

# WALPARUTA IOS

SPREAD: 200' FREQ: 0·3 & 2·5 CPS

15 · 12 · 65

SHELL EXPLORATION PROPRIETARY LIMITED

119 694 305 528 343 490 660 700

840 691 553 447 303 370 502 750

776 441 480 220 318 374 565

487 345 224 203 350 408

$(P/2\pi)_a$

SW 6 4 2 0 2 4 6 8 10 12 14 16 18 20E

$(M.F)_a$

ENV 628(1)-14

M. E. P. L.

# WALPARUTA IOS

SPREAD: 300' FREQ: 1/4&25 CPS

19 · 10 · 65

30W 27W 24W 21W 18W 15W 12W 9W 6W 3W 0 3E 6E 9E 12E 15E 18E 21E 24E 27E 30E

CREEK

N.R. T.L. N.R.

14.F.

MINES EXPLORATION PACIFIC PTY. LIMITED

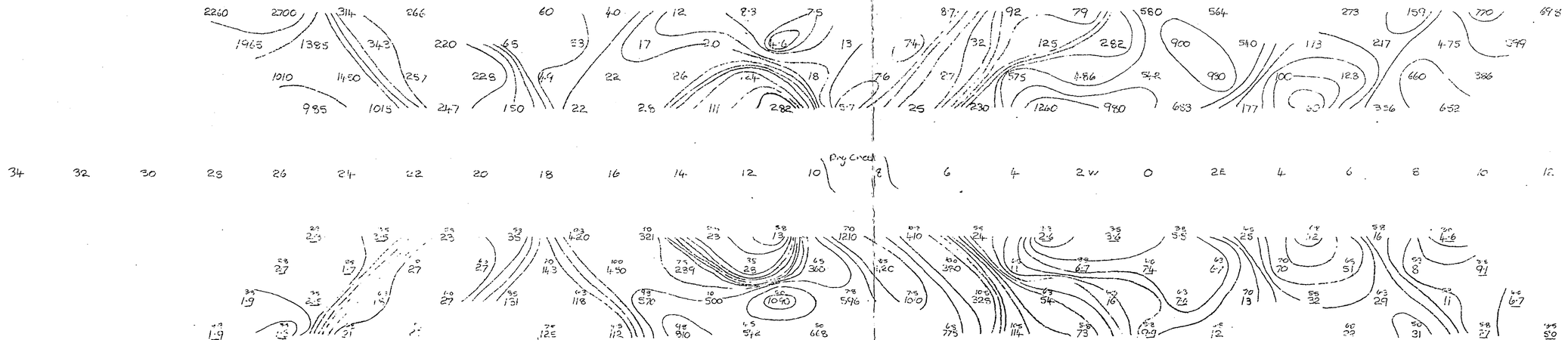
WALPARUTA 15S

SPREAD: 100' FREQ. 4 8 2·5 C.P.S.

DATE 16 / 5 / 66

ENV 628(1)-15

RAL 1981




MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 15 S

SPREAD: 200' FREQ: 0·3&2·5 CPS

15 · 12 · 65

ENV 6281(1)-16

M. E. P. L.

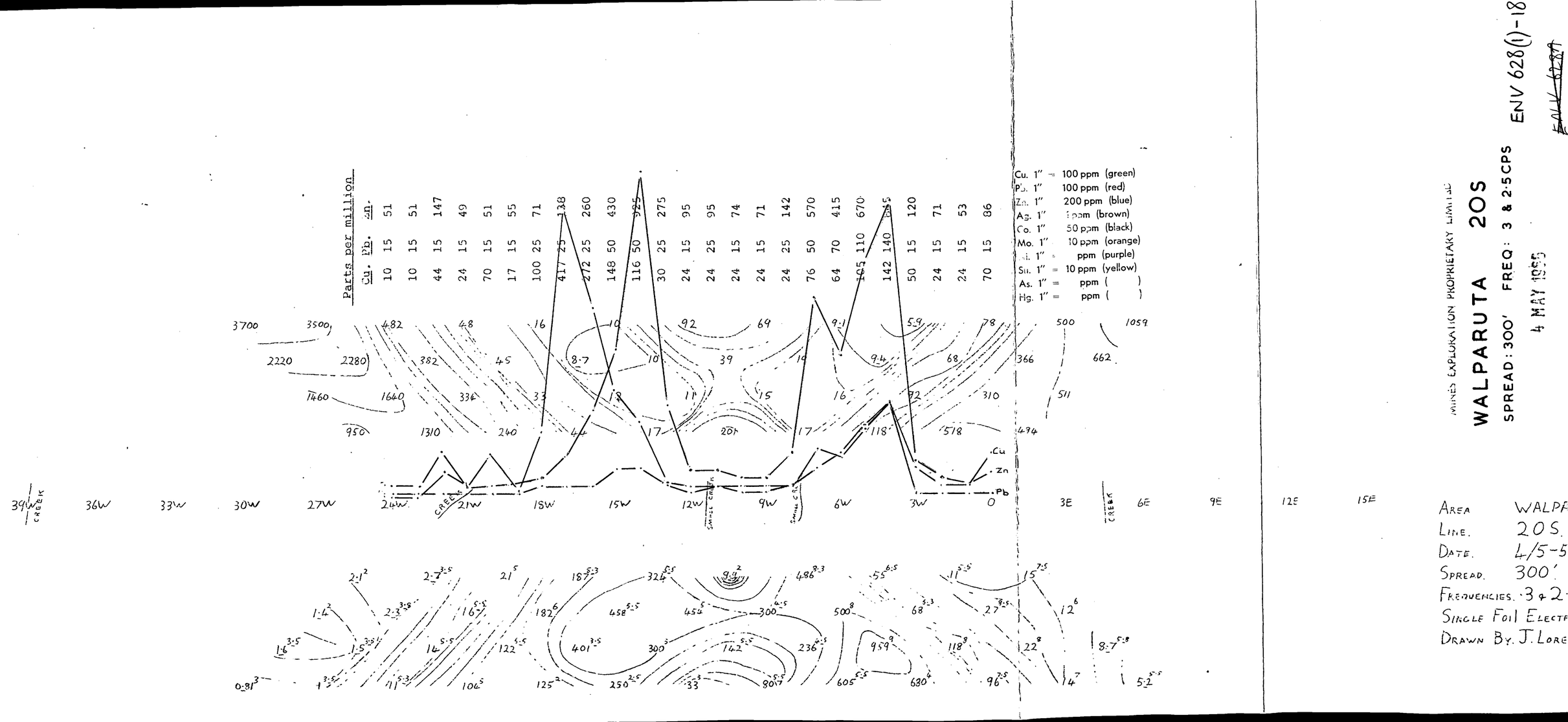
# WALPARUTA 15 S

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

21 · 10 · 65

ENV 628(1)-17

~~ENV 628A~~




MINES EXPLORATION PROPRIETARY LIMITED

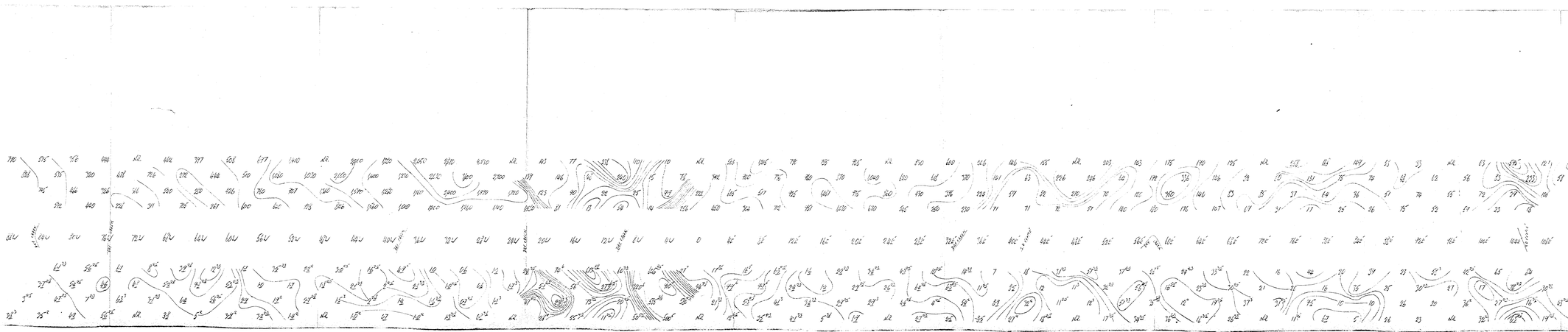
**WALPARUTA 20S**

SPREAD: 300' FREQ: 3 & 2·5CPS

4 MAY 1955

ENV 628(1)-18

AREA WALPA
LINE. 20S.
DATE. 4/5-5
SPREAD. 300'
FREQUENCIES. 3 & 2·
SINGLE FOIL ELECTR
DRAWN BY. J. LORE



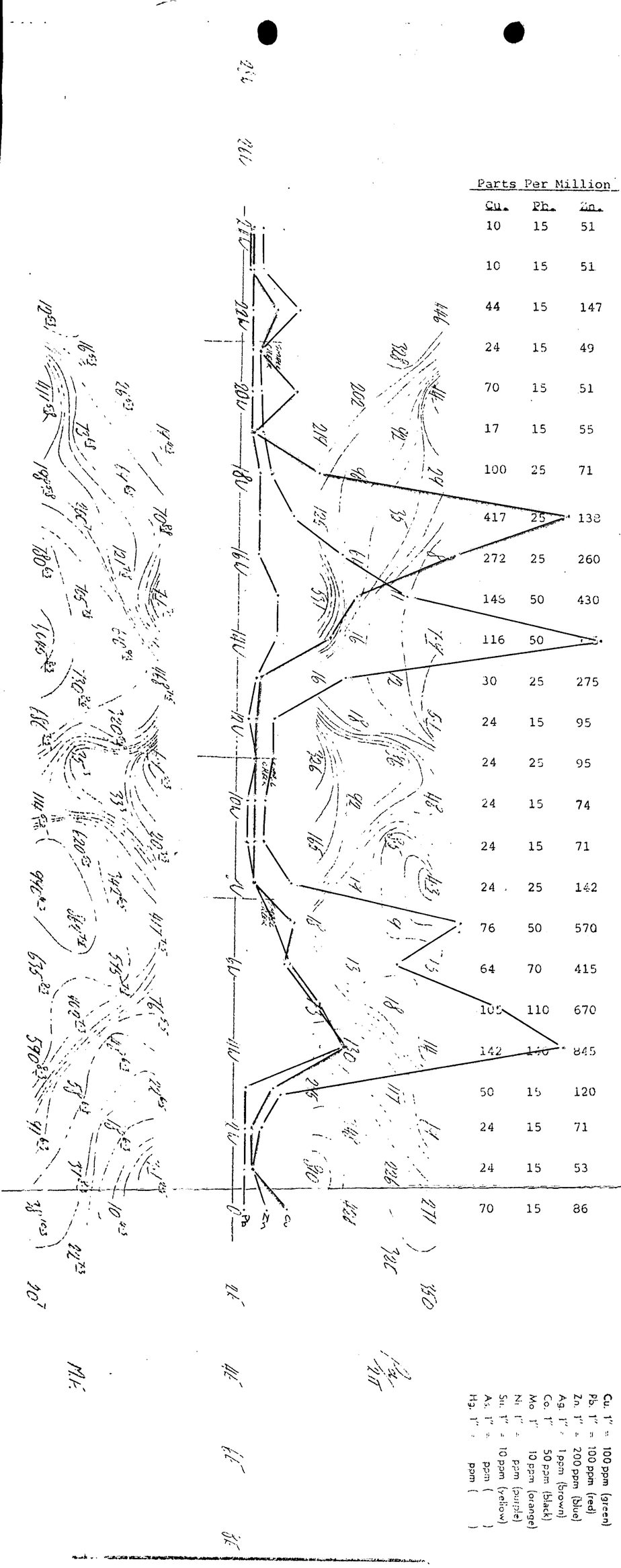
MINES EXPLORATION (NORTHERN) LIMITED

WALPARUTA 20 S

SPREAD: 400' FREQ: 1/4.2 CPS

17-20-12-65

ENV 628(1)-19



Parts Per Million

| Cu. | Pb. | Zn. |
|---|---|---|
| 10 | 15 | 51 |
| 10 | 15 | 51 |
| 44 | 15 | 147 |
| 24 | 15 | 49 |
| 70 | 15 | 51 |
| 17 | 15 | 55 |
| 100 | 25 | 71 |
| 417 | 25 | 138 |
| 272 | 25 | 260 |
| 146 | 50 | 430 |
| 116 | 50 | |
| 30 | 25 | 275 |
| 24 | 15 | 95 |
| 24 | 25 | 95 |
| 24 | 15 | 74 |
| 24 | 15 | 71 |
| 24 | 25 | 142 |
| 76 | 50 | 570 |
| 64 | 70 | 415 |
| 105 | 110 | 670 |
| 142 | 110 | 845 |
| 50 | 15 | 120 |
| 24 | 15 | 71 |
| 24 | 15 | 53 |
| 70 | 15 | 86 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo 1" = 10 ppm (orange)
Ni 1" = 10 ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

MINES EXPLORATION PROPRIETARY LIMITED

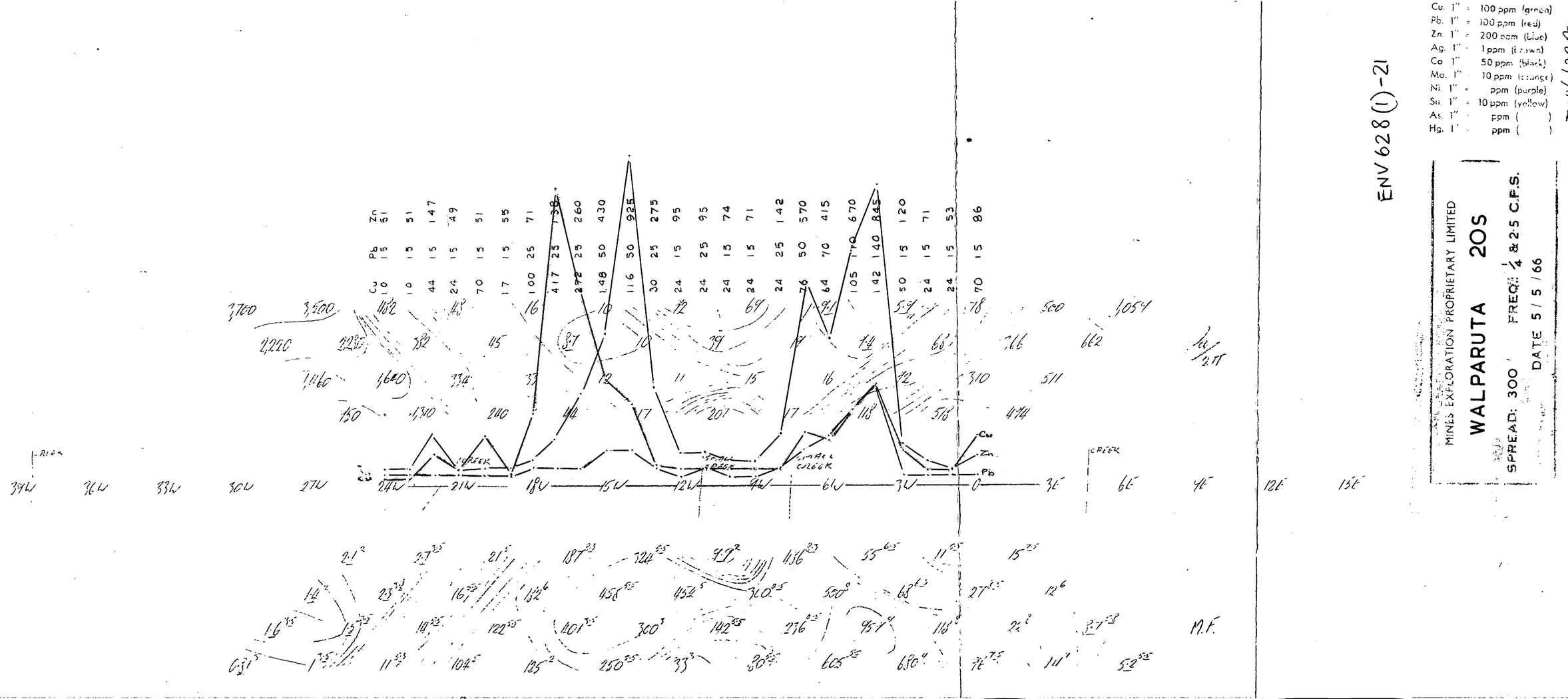
# WALPARUTA 20S

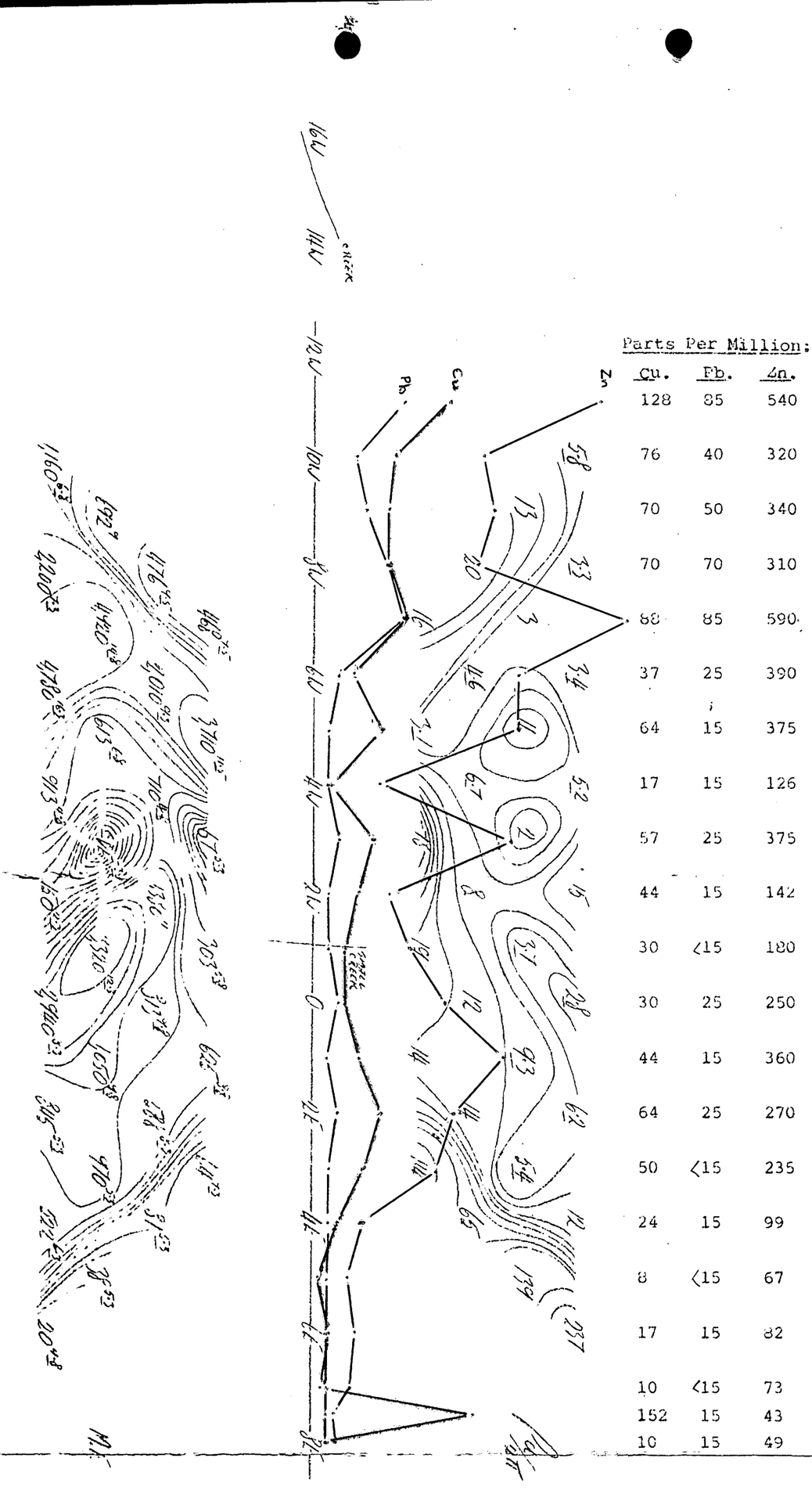
SPREAD: 200' FREQ.: ¼ & 2·5 C.P.S.

DATE 11/5/66

ENV 628(1)-20

~~ENV 628A~~


Cu 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )
ENV 628(1)-21
MINES EXPLORATION PROPRIETARY LIMITED
WALPARUTA 20S
SPREAD: 300' FREQ: 1/4 & 2.5 C.P.S.
DATE 5/5/66
Cu
Zn
Pb
M.F.



Parts Per Million:

| Cu. | Pb. | Zn. |
|---|---|---|
| 128 | 85 | 540 |
| 76 | 40 | 320 |
| 70 | 50 | 340 |
| 70 | 70 | 310 |
| 88 | 85 | 590 |
| 37 | 25 | 390 |
| 64 | 15 | 375 |
| 17 | 15 | 126 |
| 57 | 25 | 375 |
| 44 | 15 | 142 |
| 30 | <15 | 180 |
| 30 | 25 | 250 |
| 44 | 15 | 360 |
| 64 | 25 | 270 |
| 50 | <15 | 235 |
| 24 | 15 | 99 |
| 8 | <15 | 67 |
| 17 | 15 | 82 |
| 10 | <15 | 73 |
| 152 | 15 | 43 |
| 10 | 15 | 49 |

Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
Ag 1" = 1 ppm (brown)
Co 1" = 50 ppm (black)
Mo 1" = 10 ppm (orange)
Ni 1" = ppm (purple)
Sn 1" = 10 ppm (yellow)
As 1" = ppm (
Hg 1" = ppm (

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 40S

SPREAD: 200' FREQ.: ¼ & 2·5 C.P.S.

DATE 11 / 5 / 66

ENV 628(1)-22

~~ENV 628(1)~~

ENV 628(1)-23

~~ENV 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 40S

SPREAD: 300' FREQ: ¼ & 2·5CPS

5 MAY 1955

Cu. 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

Parts per million

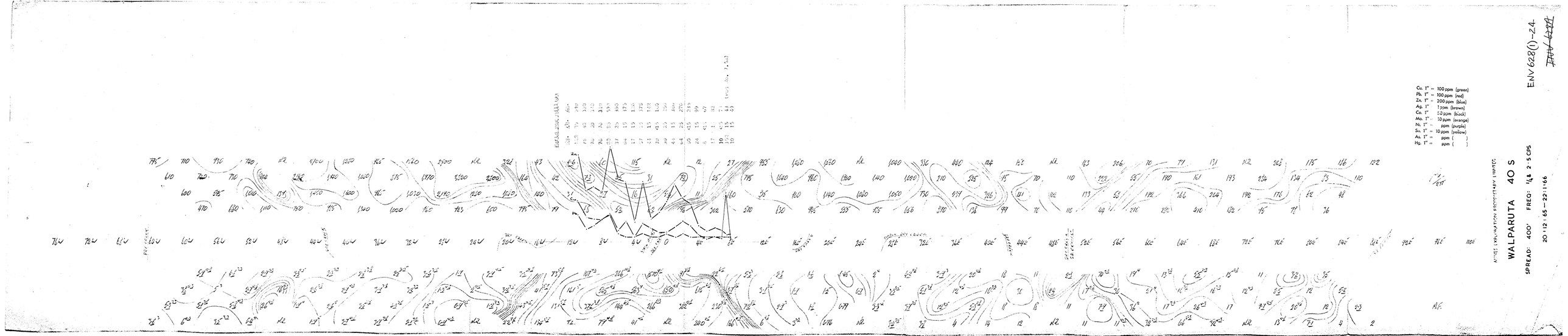
| | Cu. | Pb. | Zn. |
|---|---|---|---|
| | 128 | 65 | 540 |
| | 76 | 40 | 320 |
| | 70 | 50 | 340 |
| | 70 | 70 | 310 |
| | 88 | 85 | 590 |
| | 37 | 25 | 390 |
| | 64 | 15 | 375 |
| | 17 | 15 | 126 |
| | 57 | 25 | 375 |
| | 44 | 15 | 142 |
| | 30 | <15 | 180 |
| | 30 | 25 | 250 |
| | 44 | 15 | 360 |
| | 64 | 25 | 270 |
| | 50 | <15 | 235 |
| | 24 | 15 | 99 |
| | 8 | <15 | 67 |
| | 17 | 15 | 82 |
| | 10 | <15 | 73 |
| | 152 | 15 | 43 |
| | 10 | 15 | 49 |

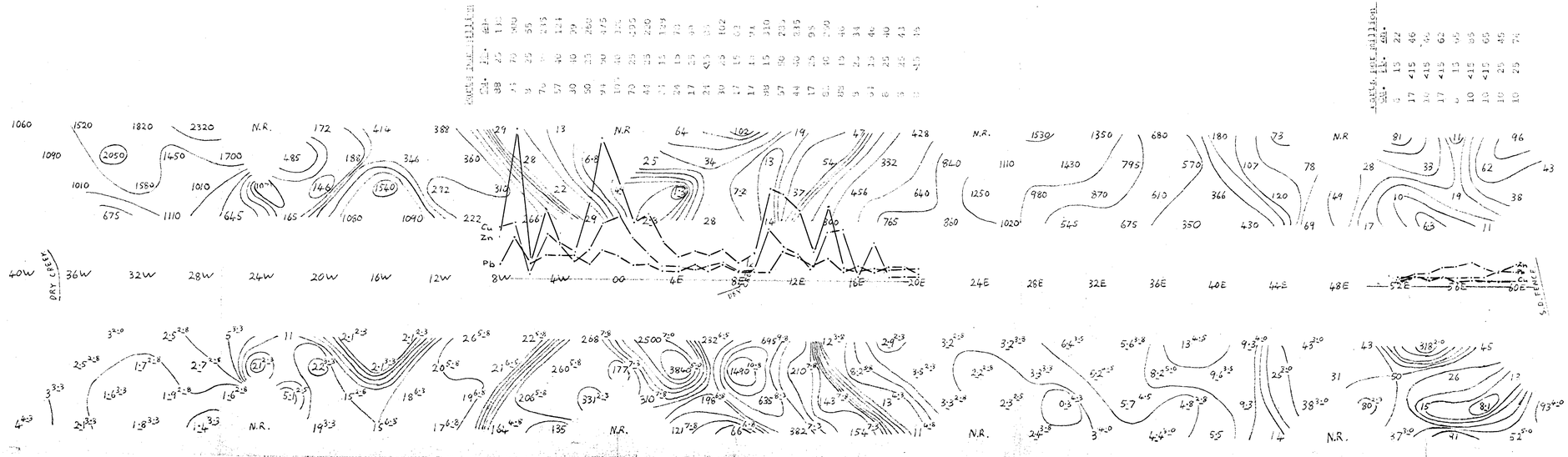
(peg no. 7.5 E)




AREA:- WALPARUTA
LINE - 40S
DATE:- 5/5/66
SPREAD:- 300'
FREQ.- 2½ + ½ c/s
SINGLE FOIL ELECTR

DRAWN BY:- R. M'K


Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )
ENV 628(1)-24
WALPARUTA 40 S
SPREAD: 400' FREQ: 1/4 & 2 5 CPS
20 12 : 65 - 22 : 11 - 66
N.F.




MINES EXPLORATION PROPRIETARY LIMITED

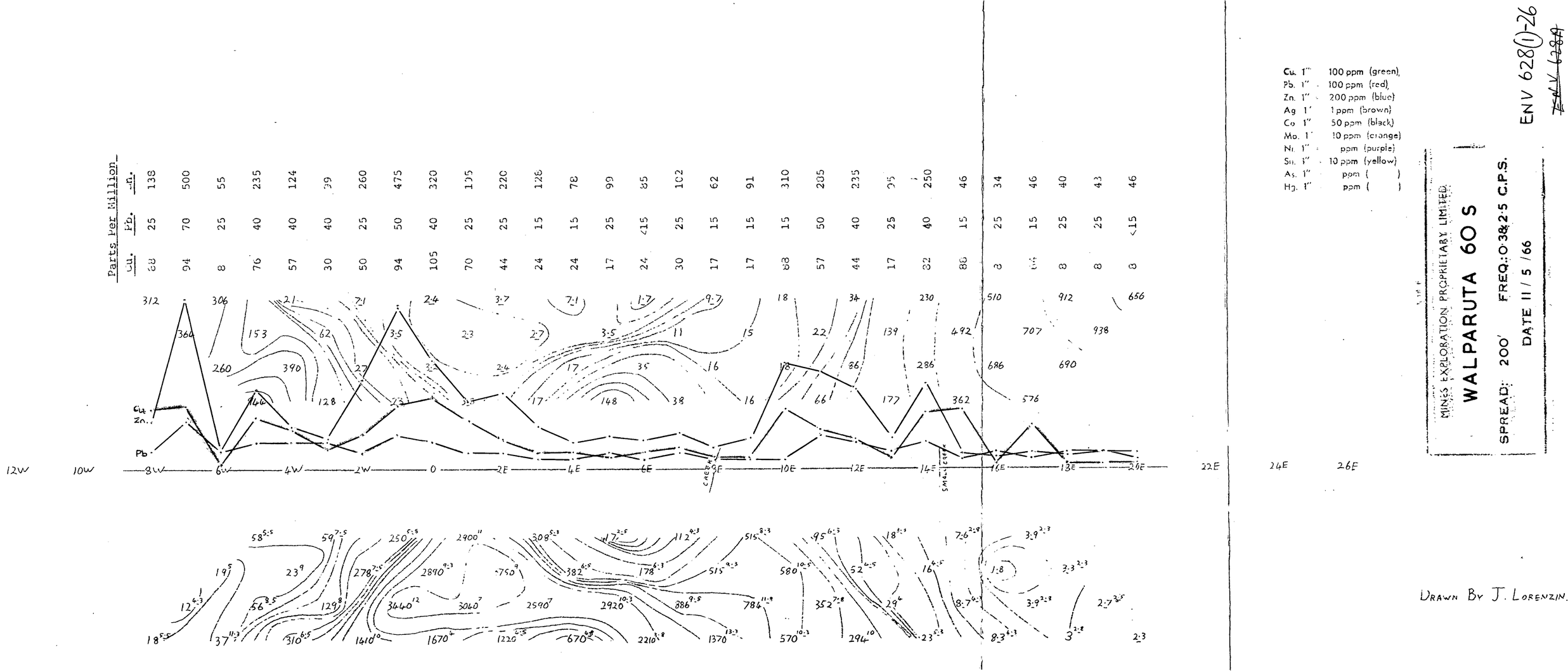
**WALPARUTA 60 S**

SPREAD: 400' FREQ: 3& 2·5 CPS

24/26 : 1 : 66

ENV 628(1)-25

~~ENV 628~~




Cu. 1" - 100 ppm (green)
Pb. 1" - 100 ppm (red)
Zn. 1" - 200 ppm (blue)
Ag 1" - 1 ppm (brown)
Co 1" - 50 ppm (black)
Mo. 1" - 10 ppm (orange)
Ni. 1" - ppm (purple)
Sn. 1" - 10 ppm (yellow)
As. 1" - ppm ( )
Hg. 1" - ppm ( )

MINES EXPLORATION PROPRIETARY LIMITED.

# WALPARUTA 60 S

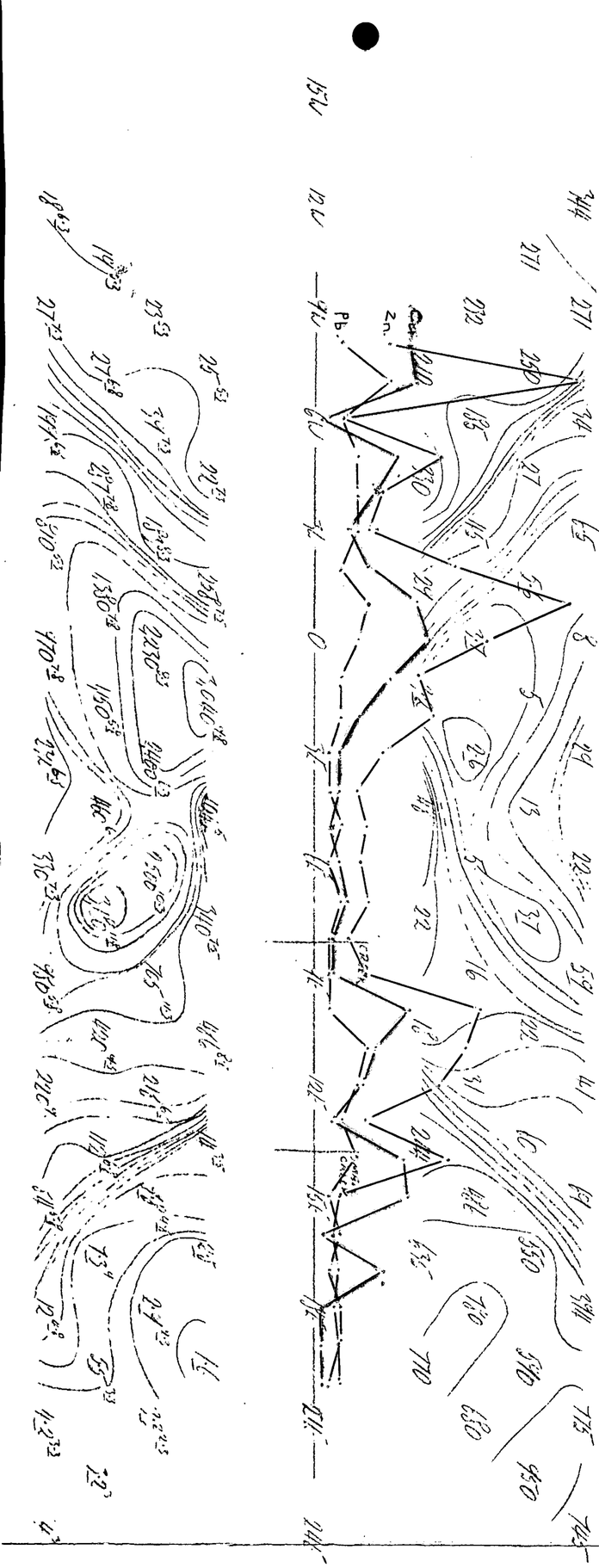
SPREAD: 200' FREQ.: 0.3 & 2.5 C.P.S.

DATE 11/5/66

DRAWN BY J. LORENZIN.

ENV 628(1)-26

~~ENV 628A~~




Parts Per Million

| Cu. | Pb. | Zn. |
|---|---|---|
| 88 | 25 | 138 |
| 94 | 70 | 500 |
| 6 | 25 | 55 |
| 76 | 40 | 235 |
| 57 | 40 | 124 |
| 30 | 40 | 99 |
| 50 | 25 | 260 |
| 94 | 50 | 475 |
| 105 | 40 | 320 |
| 70 | 25 | 195 |
| 44 | 25 | 220 |
| 24 | 15 | 126 |
| 24 | 15 | 78 |
| 17 | 25 | 99 |
| 24 | <15 | 85 |
| 30 | 25 | 102 |
| 17 | 15 | 62 |
| 17 | 15 | 91 |
| 66 | 15 | 310 |
| 57 | 50 | 285 |
| 44 | 40 | 235 |
| 17 | 25 | 95 |
| 82 | 40 | 250 |
| 60 | 15 | 46 |
| 6 | 25 | 34 |
| 64 | 15 | 46 |
| 8 | 25 | 40 |
| 8 | 25 | 43 |
| 8 | <15 | 46 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 60S

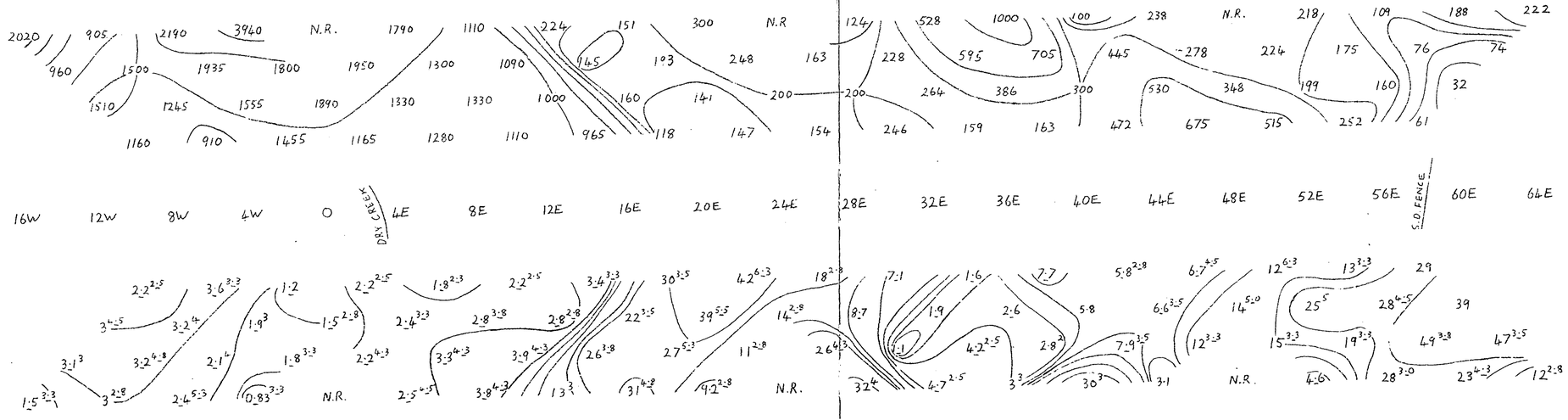
SPREAD: 300' FREQ.: ¼ & 2·5 C.P.S

DATE 6 / 6 /66

DRAWN BY: R. MAXWELL

ENV 628(1)-27

~~ENV 6284~~




M.F.

MINES EXPLORATION PROPRIETARY LIMITED

**WALPARUTA 80 S**

SPREAD: 400' FREQ: 3& 2·5 CPS

26/27 : 1 : 66

ENV 628(1)-28

ENV 628 (1) - 29

Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
Ag 1" = 1 ppm (brown)
Co 1" = 50 ppm (black)
Mo 1" = 10 ppm (orange)
Ni 1" = ppm (purple)
Sn 1" = 10 ppm (yellow)
As 1" = ppm
Hg 1" = ppm

MINES EXPLORATION PROPRIETARY LIMITED

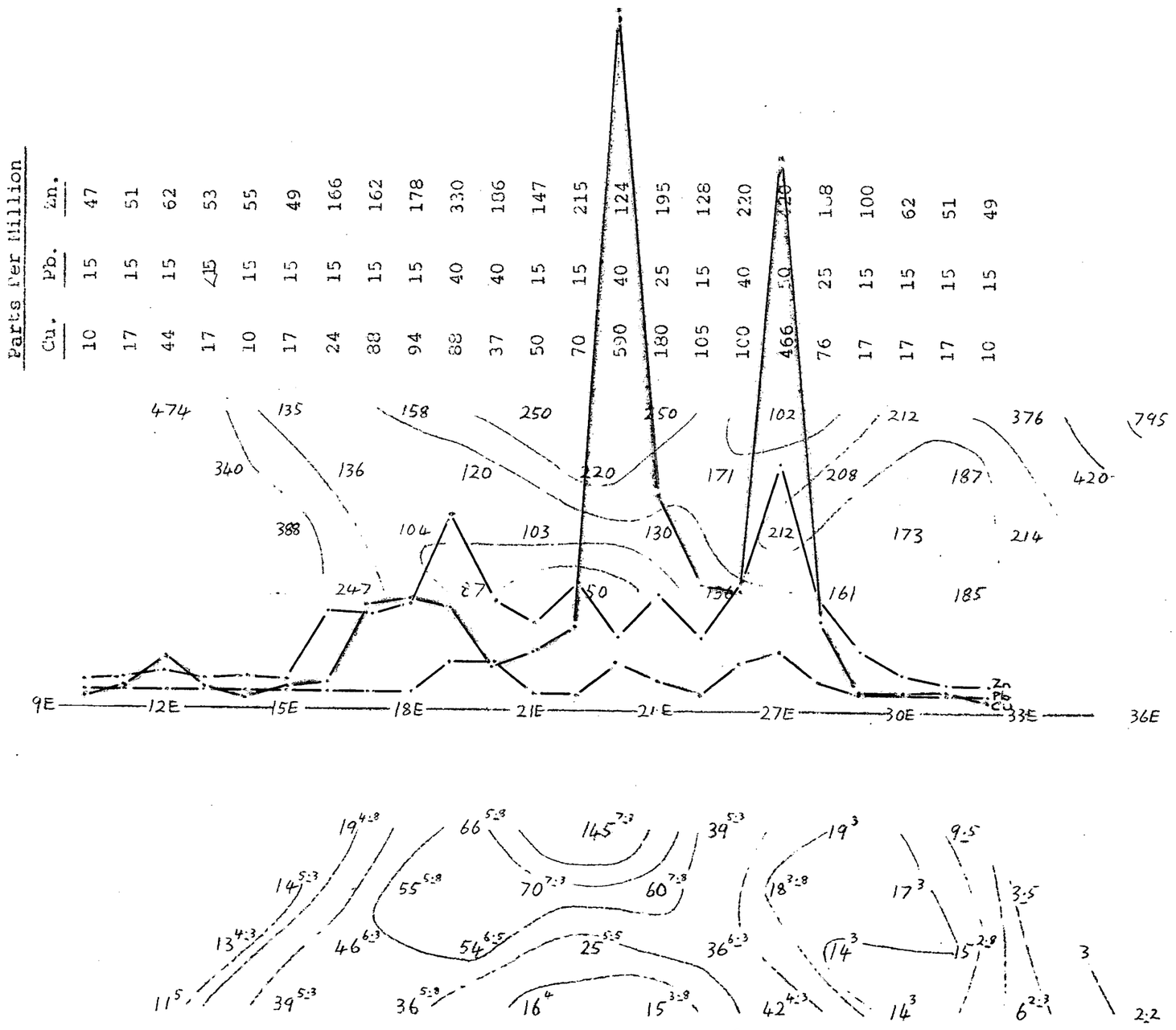
# WALPARUTA 80S

SPREAD: 300' FREQ.: 0.3 & 2.5 C.P.S.

DATE 6 / 5 /66

Parts Per Million

| | Cu. | Pb. | Zn. |
|---|---|---|---|
| 6E | 10 | 15 | 47 |
| | 17 | 15 | 51 |
| | 44 | 15 | 62 |
| | 17 | 15 | 53 |
| | 10 | 15 | 55 |
| | 17 | 15 | 49 |
| | 24 | 15 | 166 |
| | 88 | 15 | 162 |
| | 94 | 15 | 178 |
| | 88 | 40 | 330 |
| | 37 | 40 | 186 |
| | 50 | 15 | 147 |
| | 70 | 15 | 215 |
| 9E | 590 | 40 | 124 |
| | 180 | 25 | 195 |
| | 105 | 15 | 128 |
| 12E | 100 | 40 | 220 |
| | 466 | 50 | 220 |
| | 76 | 25 | 108 |
| 15E | 17 | 15 | 100 |
| | 17 | 15 | 62 |
| | 17 | 15 | 51 |
| 18E | 10 | 15 | 49 |
| 21E | | | |
| 24E | | | |
| 27E | | | |
| 30E | | | |
| 33E | | | |
| 36E | | | |
| 39E | | | |
| 42E | | | |
| 45E | | | |




Pa / 2π

M.F.

DRAWN BY J. LORENZIN.


CREEK
CREEK
CREEK

ENV 628(2)-1

MINES EXPLORATION PROPRIETARY LIMITED

**WALPARUTA 16ON**

SPREAD: 400' FREQ: 1/4 & 2·5 CPS

16-17 · 3 · 66

W.P. FENCE

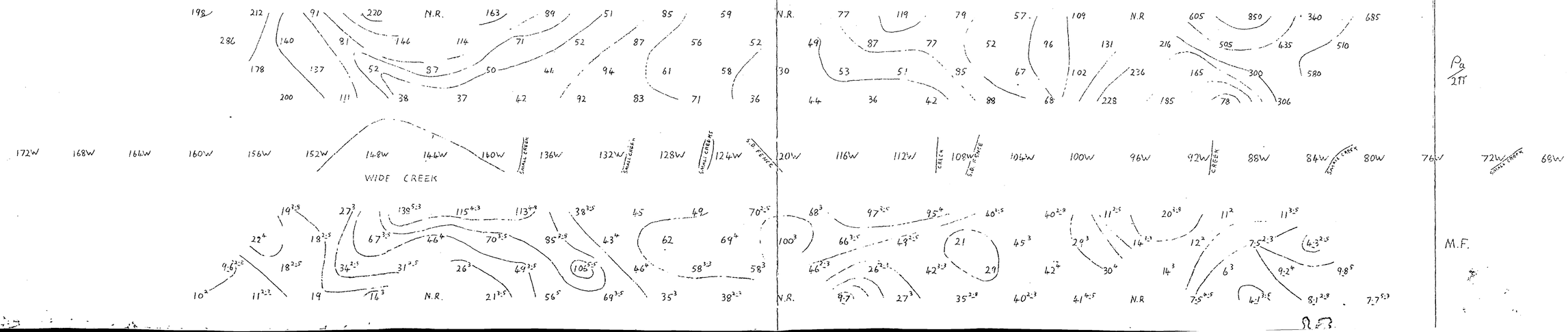
CREEK

SMALL CREEK

CREEK

S.D. FENCE

M.F.




SPREAD: 400' FREQ: 3 & 2·5 CPS

WALPARUTA 140N

15-16 · 3 · 66

ENV 628(2)-2

~~ENVELOPE NO 6277~~

M.F.

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 140N

SPREAD: 200'  FREQ: 2¼ & 2·5 C.P.S.

DATE 15/5/66

ENV 628(2)-3

~~ENV 628A~~

ENV 628(2)-4

ENVELOPE NO 1284

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 140N

SPREAD: 200' FREQ.: 0.3 & 2.5 C.P.S.

DATE 15/5/66

ENV 628(2)-5

ENV 628(2)-5

AMOCO EXPLORATION (AUSTRALIA) LIMITED

WALPARUTA 12ON

SPREAD: 400' FREQ: 1/4 & 2·5 CPS

13-14 · 3 · 66

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 12ON

SPREAD: 200' FREQ.: 0.3 & 2.5 C.P.S.

DATE 15/ 5 /66

ENV628(2)-6

~~ENV628~~

98 123 26 22 65 82 165 83 49

61 69 21 72 83 107 65 57

71 35 79 109 103 36 40

62 276 150 100 32 23

Pa 277

114W 112W 110W 108W 106W 104W 102W 100W 98W 96W 94W 92W 90W 88W 86W

CREEK

WIDE CREEK

16 $12^{2-3}$ 27* 18 55 33

$39^{2-8}$ $179^{2-8}$ $51^{4}$ $33^{3-3}$ $32^{2-3}$ $63^{2-3}$ 44

M.F.

$37^{2-3}$ 18 60 24 $30^{2-5}$ $23^{2-5}$ $35^{2-3}$ 26

$23^{2-3}$ $18^{2-3}$ 29 68 $38^{2-3}$ $30^{2-3}$ $31^{2}$ 13 15

ENV 628(2)-7

~~ENV 0288~~

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 12ON

SPREAD: 200' FREQ.:03 &2·5 C.P.S.

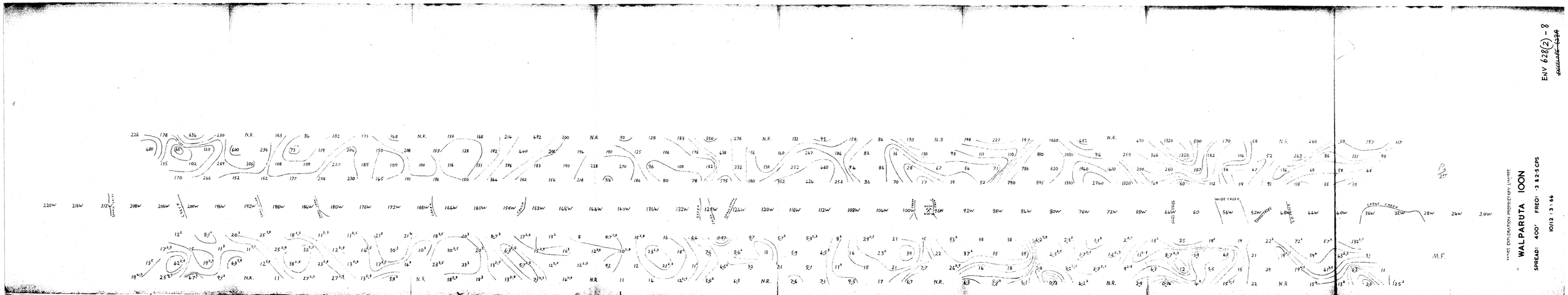
DATE 15/ 5 /66

144W 142W 140W 138W 136W 134W 132W CREEK 130W 128W 126W 124W 122W 120W 118W 116W

119 99 38 66 100 30 27 26 31 53 30 54 34 80 23 45 43 46 67 40 58 116 14 21 8·4 17 15 23 26

28 2·8 58 18 30 67 67 34 2·2 18 15 58 59 2·3 6·2 16 12 29 33 30 54 41 34 2·3 6·3 28 27 38

M.F.




ENV 628(2) - 8

WALPARUTA 100N

SPREAD: 400' FREQ: 3 1/2 CPS

10/12 13:46

ENV 628(2)-9

ENV 628A

Cu 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
Ag 1" = 1 ppm (brown)
Co 1" = 50 ppm (black)
Mo 1" = 10 ppm (orange)
Ni 1" = ppm (purple)
Sn 1" = 10 ppm (yellow)
As 1" = ppm (
Hg 1" = ppm (

NEWMONT EXPLORATION PROPRIETARY LIMITED

# WALPARUTA IOON

SPREAD: 200' FREQ.: 3 & 2·5 C.P.S.

DATE 14/5/66

DRAWN BY. J. LORENZIN.

Parts Per Million

| | Cu. 10 | Pb. 15 | Zn. 46 |
|---|---|---|---|
| 110W | 6 | 15 | 40 |
| | 8 | 15 | 43 |
| | 6 | 15 | 45 |
| | 6 | 15 | 51 |
| | 8 | 15 | 37 |
| | 8 | 15 | 43 |
| | 8 | 15 | 46 |
| | 5 | 15 | 37 |
| | 10 | 15 | 62 |
| | 5 | <15 | 46 |
| | 6 | <15 | 37 |
| | 10 | <15 | 43 |
| | 8 | <15 | 37 |
| | 8 | <15 | 45 |
| | 8 | <15 | 40 |
| | 6 | 15 | 46 |
| | 8 | 15 | 43 |
| | 8 | 15 | 40 |
| | 5 | 15 | 33 |
| | 8 | 15 | 43 |
| | 6 | 15 | 49 |
| | 6 | 15 | 37 |
| 78W | 6 | 15 | 40 |
| | 5 | 15 | 46 |

60 155 83 46 28 6·9 59 47 49 43 49 760 890
56 126 78 43 9·2 11 30 42 34 87 500 1300
42 107 73 15 20 7·1 34 30 52 657 616
30 86 24 31 11 12 30 45 420 792

108W 106W 104W 102W 100W 98W 96W 94W 92W 90W 88W 86W 84W

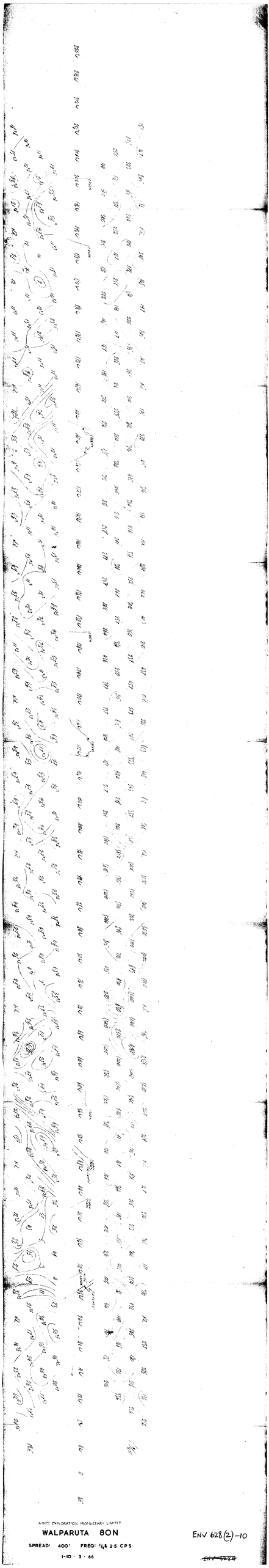
CREEK DIGGINGS CREEK

25 2·9 10 40 68 146 8·3 33 7·1³ 4·1³·³
42 2·3 3·4 83 25 176 42 8·3 29 5·7³·⁸ 6·3³·⁸
13 4 3·2 35 54 91 25 5·4²·³ 7·4 14 5 3·5 3·5⁴·⁵
25 3·2 9 44² 18 73 13 21 36 12 15 3·4³·³ 3·7³·³

32W 80W 78W

Pa 21T

M.F.



MINES EXPLORATION (PROPRIETARY) LIMITED

WALPARUTA 8ON

SPREAD: 400' FREQ: 1/8 2·5 CPS

1-10 · 3 · 66

ENV 628(2)-10

~~ENV 628(2)~~

MINE EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 80 N

SPREAD: 200' FREQ.: ¼ & 2·5 C.P.S.

DATE 13/5/66

ENV 628(2)-11

~~ENV 628~~

MINES EXPLORATION PROPRIETARY LIMITED

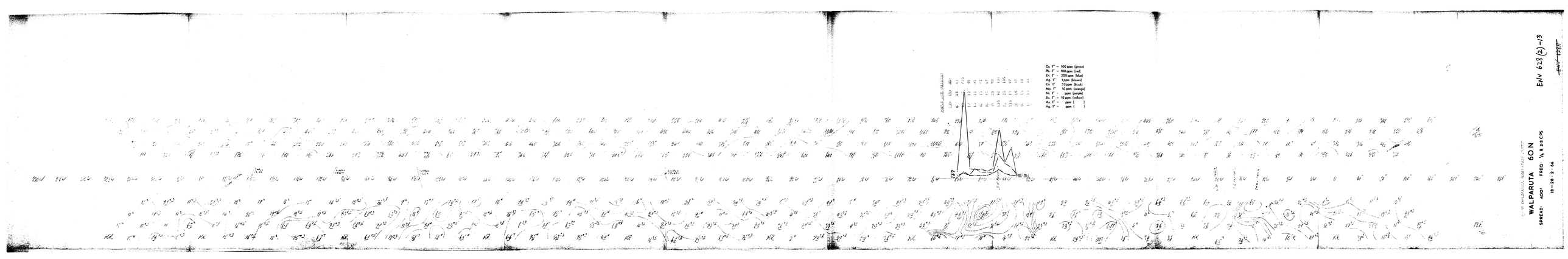
# WALPARUTA 8ON

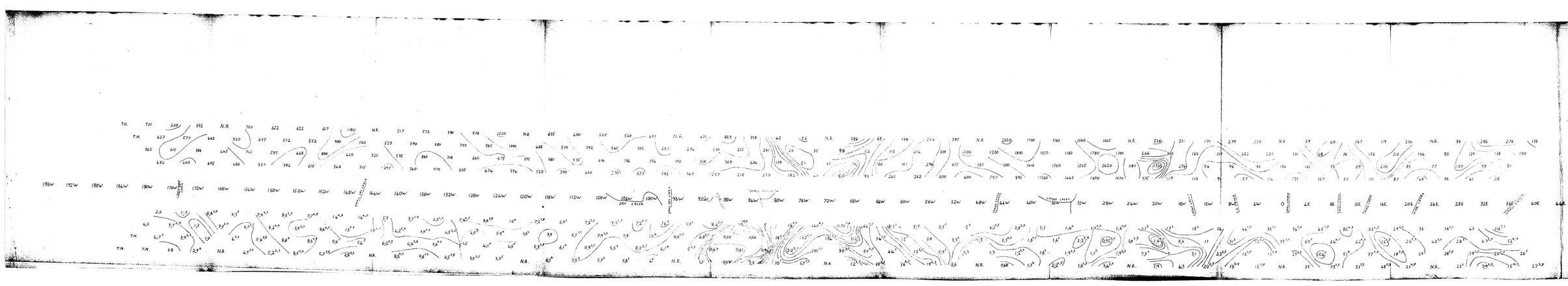
SPREAD: 200' FREQ.: 1/4 & 2·5 C.P.S.

DATE 14/5/66

ENV 628(2)-12

ENV 628A


Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
As 1" = 1 ppm (brown)
Co 1" = 50 ppm (black)
Mn 1" = 10 ppm (orange)
Ni 1" = ppm (purple)
Sb 1" = 10 ppm (yellow)
Au 1" = ppm ( )
Hg 1" = ppm ( )
WALPARUTA 60N
SPREAD 400' FREQ: ¼ à 2½CPS
18-28-2-66
ENV 628(2)-13


ENV 628(2)-14
WALPARUTA 40N
SPREAD: 400' FREQ: 3 & 2.5CPS
8-17-2-66
196W 192W 188W 184W 180W 176W 172W 168W 164W 160W 156W 152W 148W 144W 140W 136W 132W 128W 124W 120W 116W 112W 108W 104W 100W 96W 92W 88W 84W 80W 76W 72W 68W 64W 60W 56W 52W 48W 44W 40W 36W 32W 28W 24W 20W 16W 12W 8W 4W 0 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E 48E 52E
T.N.
N.R.
DAY CREEK
CORRAL CREEK

ENV 628(2)-15

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 4ON

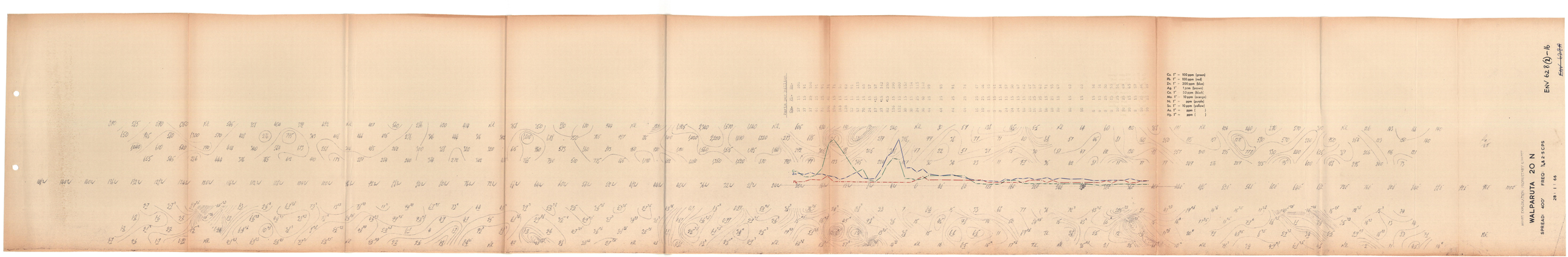
SPREAD: 200' FREQ.: ¼ & 2·5 C.P.S.

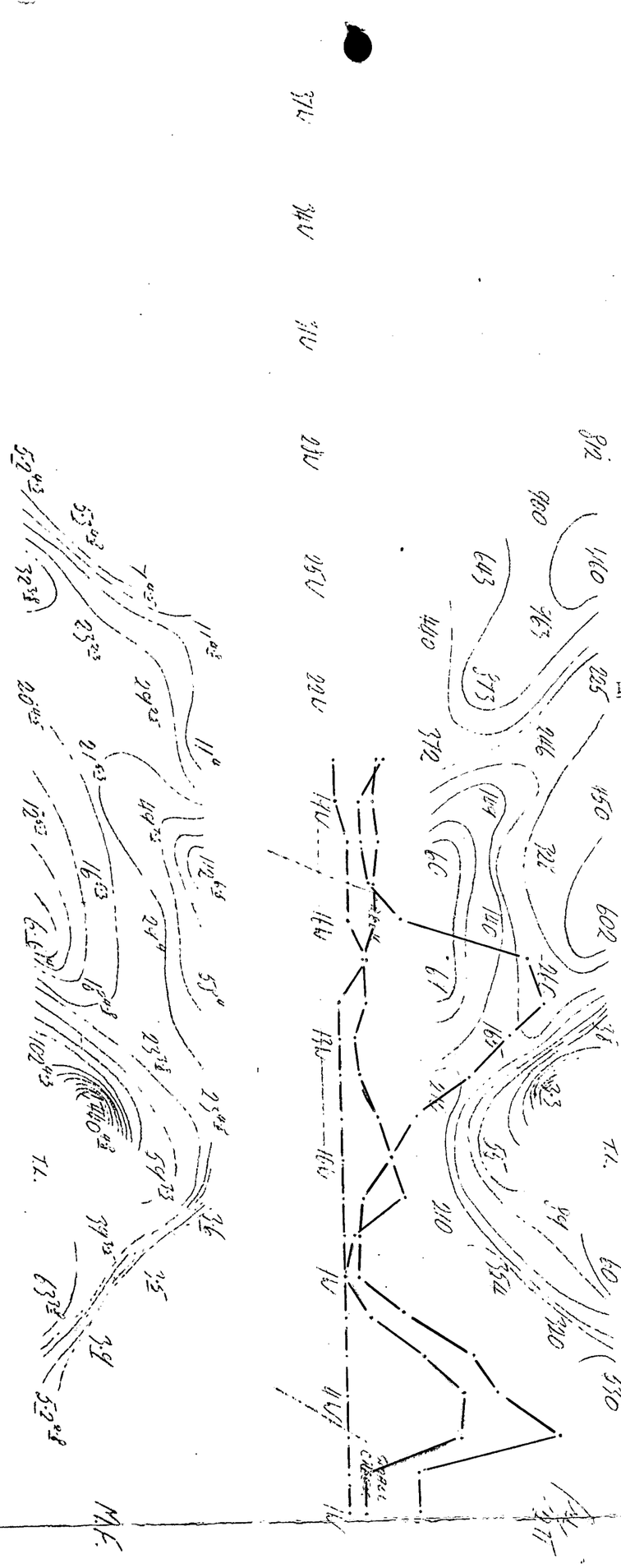
DATE 13/5/66

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

Parts Per Billion

| Cu. | Pb. | Zn. |
|---|---|---|
| 64 | 15 | 157 |
| 30 | 15 | 115 |
| 8 | 15 | 74 |
| 24 | 15 | 91 |
| 30 | 15 | 78 |
| 17 | 15 | 66 |
| 30 | 15 | 74 |
| 10 | 15 | 85 |
| 17 | 15 | 85 |
| 50 | 85 | 500 |
| 50 | 140 | 310 |
| 76 | 85 | 415 |
| 168 | 85 | 330 |


Cu 1" = 100 ppm (green)
Pb 1" = 100 ppm (red)
Zn 1" = 200 ppm (blue)
Ag 1" = 1 ppm (brown)
Co 1" = 10 ppm (black)
Mo 1" = 10 ppm (orange)
Ni 1" = ppm (purple)
Sn 1" = 10 ppm (yellow)
As 1" = ppm ( )
Hg 1" = ppm ( )
WALPARUTA 20 N
SPREAD 400' FREQ 444 25 CPS
ENV 625(A)-16



| Parts per million | | |
|---|---|---|
| Cu. | Pb. | Zn. |
| 57 | 15 | 106 |
| 37 | 15 | 91 |
| 37 | 25 | 106 |
| 44 | 25 | 91 |
| 70 | 25 | 95 |
| 180 | 40 | 74 |
| 196 | 15 | 71 |
| 163 | 15 | 55 |
| 128 | 15 | 62 |
| 82 | 15 | 91 |
| 57 | 15 | 115 |
| 70 | 15 | 65 |
| 24 | 15 | 57 |
| 17 | <15 | 57 |
| 37 | <15 | 142 |
| 82 | <15 | 250 |
| 116 | 15 | 290 |
| 112 | 15 | 400 |
| 30 | 15 | 152 |
| 30 | 15 | 154 |

Cu. 1" 100 ppm (green)
Pb. 1" 100 ppm (red)
Zn. 1" 200 ppm (blue)
Ag. 1" 1 ppm (brown)
Co. 1" 50 ppm (black)
Mo. 1" 10 ppm (orange)
Ni. 1" ppm (purple)
Sn. 1" 10 ppm (yellow)
As. 1" ppm (
Hg. 1" ppm (

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA - 20N

SPREAD: 300' FREQ.: ¼ & 2·5 C.P.S.

DATE 9 / 5 /66

ENV 628(2)-17

~~ENV 628A~~

Parts per million

| | Cu. | Pb. | Zn. |
|---|---|---|---|
| | 10 | 15 | 67 |
| | 10 | 15 | 62 |
| | 10 | 15 | 62 |
| | 8 | 15 | 51 |
| | 6 | 15 | 51 |
| | 8 | 25 | 50 |
| | 8 | 15 | 55 |
| | 10 | 25 | 51 |
| | 10 | 25 | 49 |
| | 10 | 15 | 65 |
| | 6 | 15 | 57 |
| | 10 | 25 | 46 |
| | 10 | 25 | 49 |

47 31 44 67 69 220 220 107 270

48 40 57 72 122 96 240 127

64 56 56 123 61 93 268

87 62 89 53 56 95

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Sn. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

15E 18E CREEK 21E 24E 27E 30E 33E 36E 39E 42E SMALL CREEK 45E 48E 51E 54E SMALL CREEKS 57E

49 4:3 32 2 37 3:3 71 3:8 72 4 29 2:8

98 6:3 40 2:3 54 3 39 4:8 20 46 4:3 15 4

42 2 31 53 3 49 3:5 27 3:3 23 2:3 22 5:3 33 4:3

64 3 16 34 49 3:3 29 2 22 4:5 11 2:5 35 3:8 13 3:5

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 2ON

SPREAD: 300' FREQ.: 0.3 & 2.5 C.P.S. ENV 628(2)-18

DATE 9/5/66

ENV 628A

M. E. P. L.

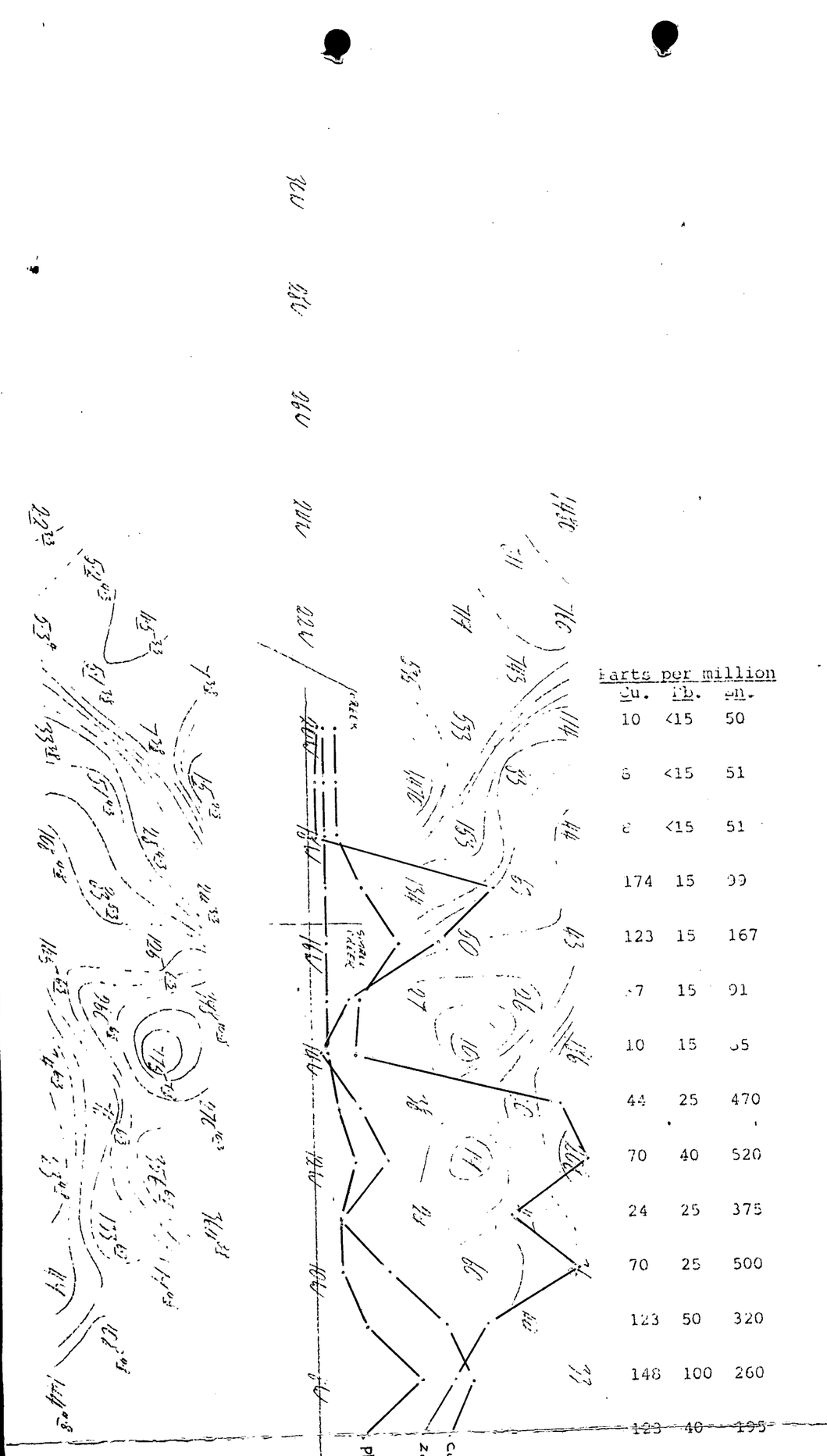
# WALPARUTA 15 N

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

22 · 10 · 65

ENV 628(2)-19

~~628/MT~~




MINES EXPLORATION PROPRIETARY LIMITED

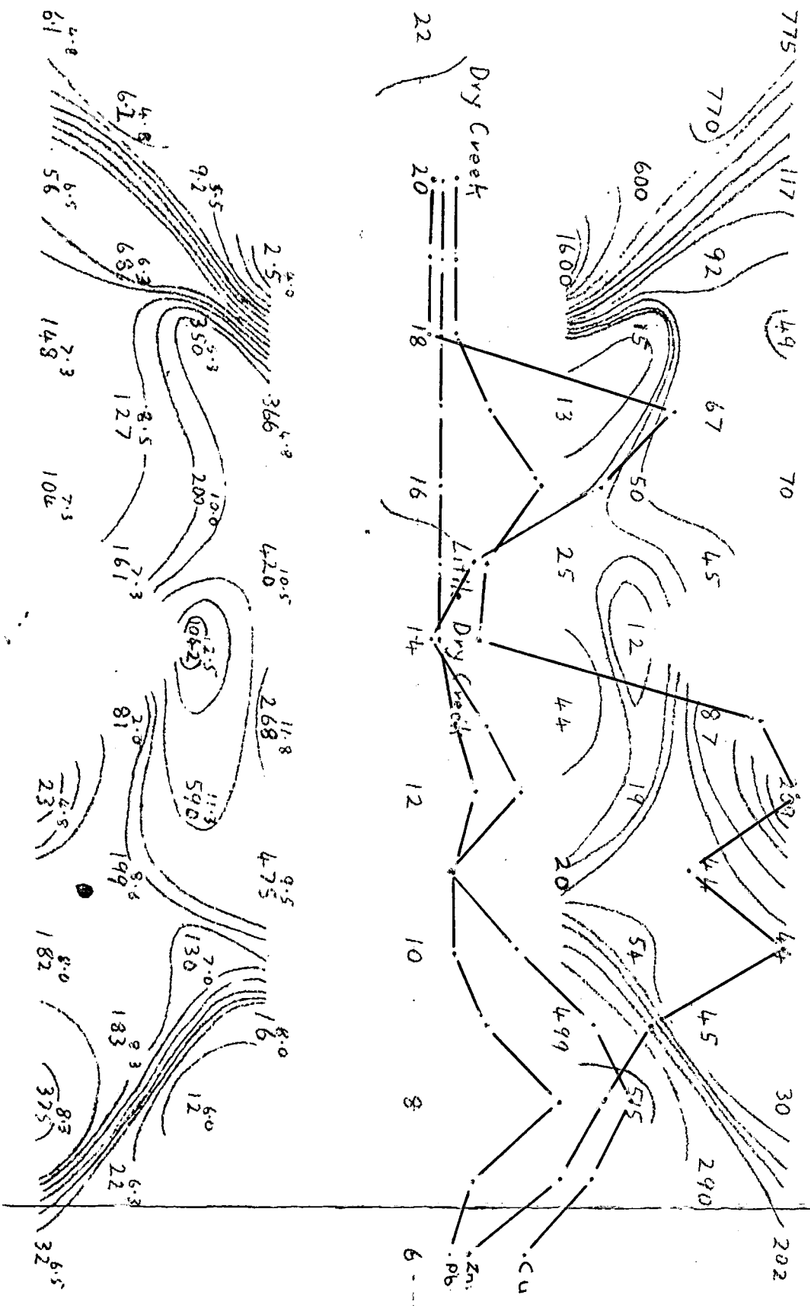
# WALPARUTA 15 N

SPREAD: 200' FREQ.: ¼ & 2·5 C.P.S.

DATE 12/ 5 /66

ENV 628(2)-20

~~ENV 628A~~




Parts per million

| Cu. | Pb. | Zn. |
|---|---|---|
| 10 | <15 | 50 |
| 8 | <15 | 51 |
| 8 | <15 | 51 |
| 174 | 15 | 99 |
| 123 | 15 | 167 |
| 37 | 15 | 91 |
| 10 | 15 | 85 |
| 44 | 25 | 470 |
| 70 | 40 | 520 |
| 24 | 25 | 375 |
| 70 | 25 | 500 |
| 123 | 50 | 320 |
| 148 | 100 | 260 |
| 123 | 40 | 195 |
| 76 | 25 | 74 |

Cu. 1" = 100 ppm (green)
Pb. 1" = 100 ppm (red)
Zn. 1" = 200 ppm (blue)
Ag. 1" = 1 ppm (brown)
Co. 1" = 50 ppm (black)
Mo. 1" = 10 ppm (orange)
Ni. 1" = ppm (purple)
Su. 1" = 10 ppm (yellow)
As. 1" = ppm ( )
Hg. 1" = ppm ( )

$(M.F.)_a$

$\left(\frac{\rho}{2\pi}\right)_a$

MINES EXPLORATION PROPRIETARY LIMITED

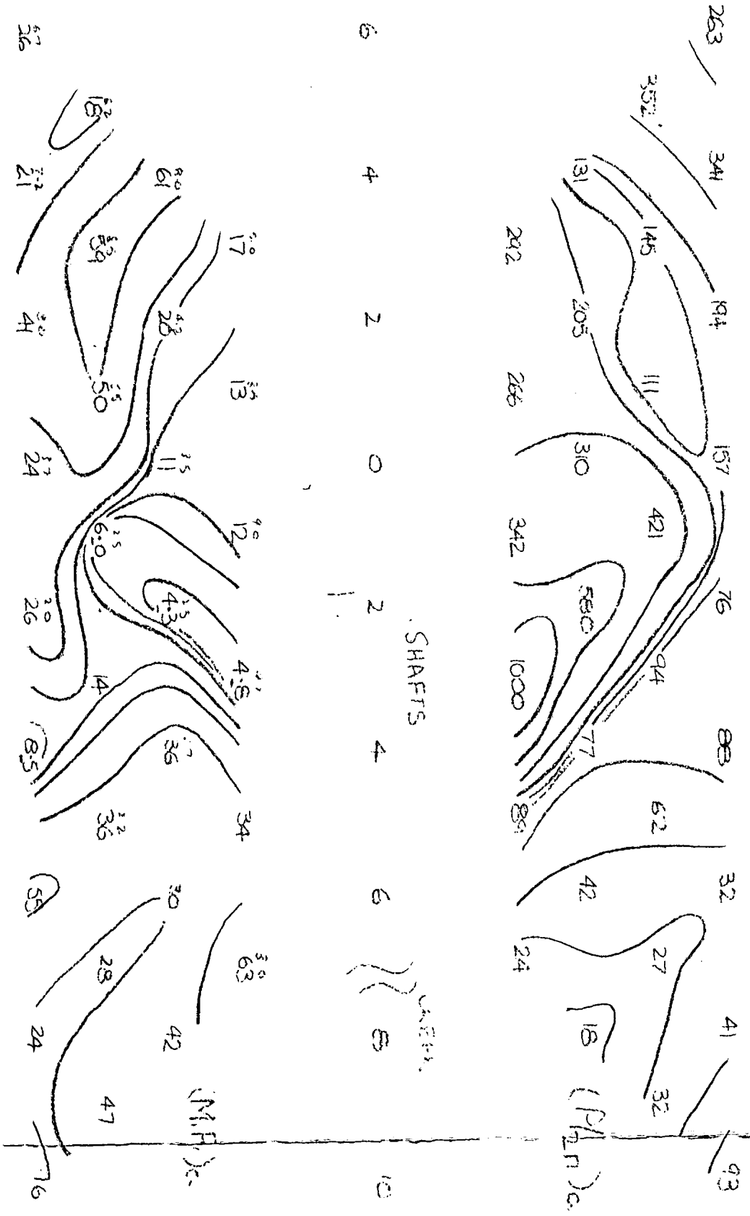
# WALPARUTA 15 N

SPREAD: 200' FREQ: 0·3 & 2·5 CPS

17 · 12 · 65

ENV 628(2)-21

~~ENV 628A~~




M. E P. L

# WALPARUTA 12N

SPREAD: 200' FREQ: 1/4 & 2·5 CPS

2 · 11 · 65

ENV 628(2)-22

~~ENV 628A~~

ENV 628(2)-23

M. E. P. L.

WALPARUTA 10 N

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

22 · 10 · 65

30W 27W 24W 21W 18W 15W 12W 9W 6W 3W 0 3E 6E 9E 12E 15E 18E 21E 24E 27E 30E

63 82 258 192 N.R. 106 417 83 27 120 N.R. 131 66 18 42

45 152 227 44 178 337 206 90 79 78 113 -32 15 7

140 109 78 181 518 136 217 246 50 74 28 12 27

117 50 454 433 160 152 448 196 52 22 13 61

64 178 12 15 37 43 13 13 43 148 134 74

48 57 93 46 11 51 31 13 40 20 72 229 93

139 39 23 210 45 20 40 56 19 13 15 47 150 -VE

115 146 18 39 N.R. 73 17 39 240 15 N.R. 13 19 -VE T.L.

M.F

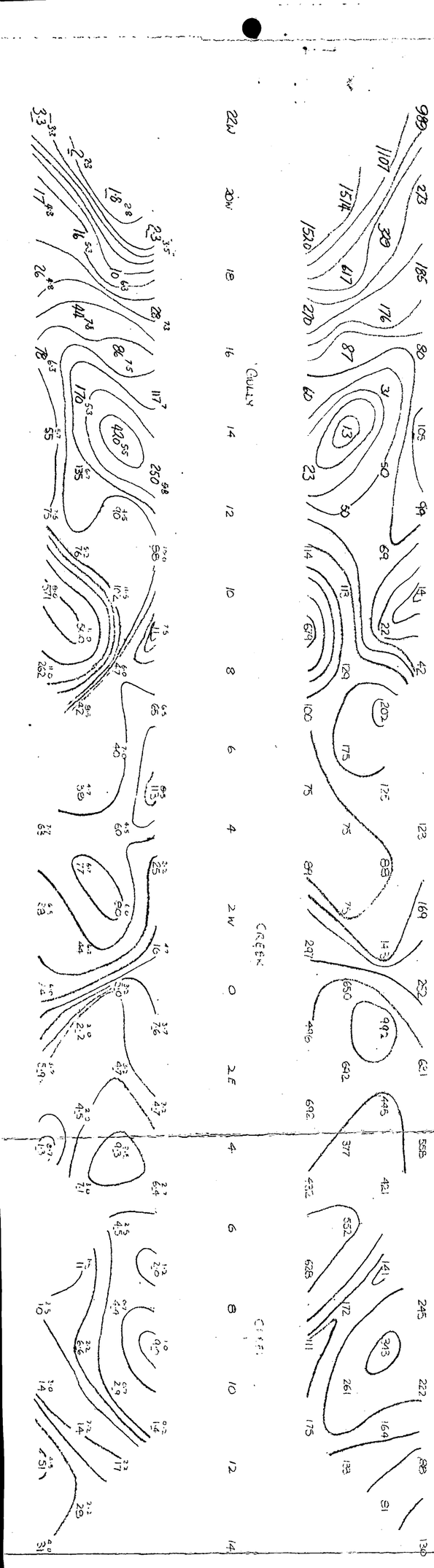
ENV 628(2)-24
~~ENV 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA ION

SPREAD: 200' FREQ: 0·3 & 2·5CPS

16 · 12 · 65




M. E. P. L.

# WALPARUTA 6N

SPREAD: 200' FREQ: 1/4&2·5 CPS

2 · 10 · 65

ENV 628(2)-25

~~ENV 628A~~

M. E. P. L.

# WALPARUTA 4 N

SPREAD: 200' FREQ: 1/4 & 2·5 CPS

2 · 10 · 65

ENV 628(2)-26

~~ENV 628A~~

ENV 628(2)-27

~~ENV 628~~

M. E. P. L.

# WALPARUTA 2 N

SPREAD: 300' FREQ: 1/4 & 2·5 CPS

30 · 10 · 65

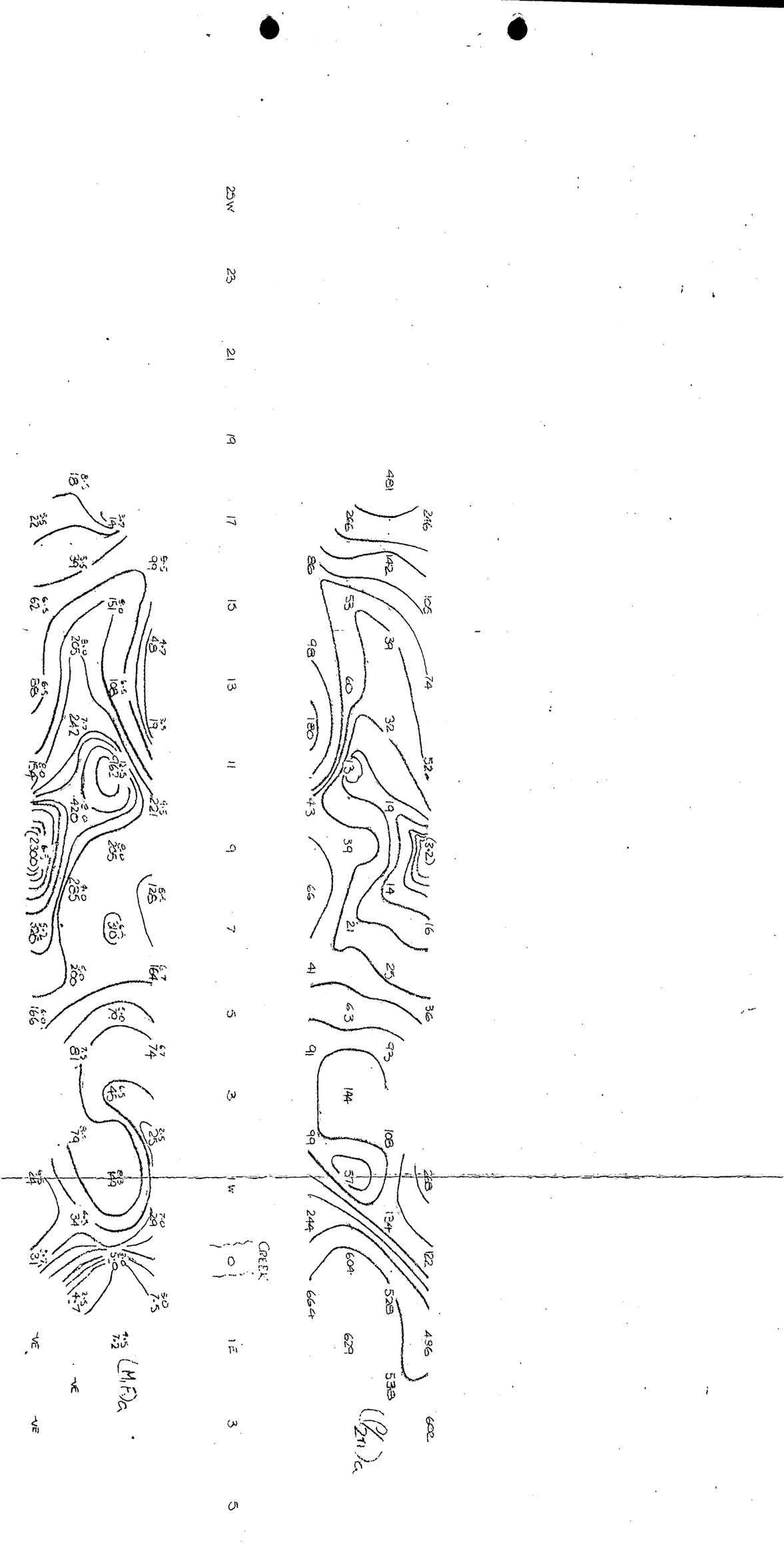
27W 24 21 18 15 12 9 6 3 0 3 6 9 12W

CREEK

CREEK

(P/27)a

(P/27)a




M. E. P. L.

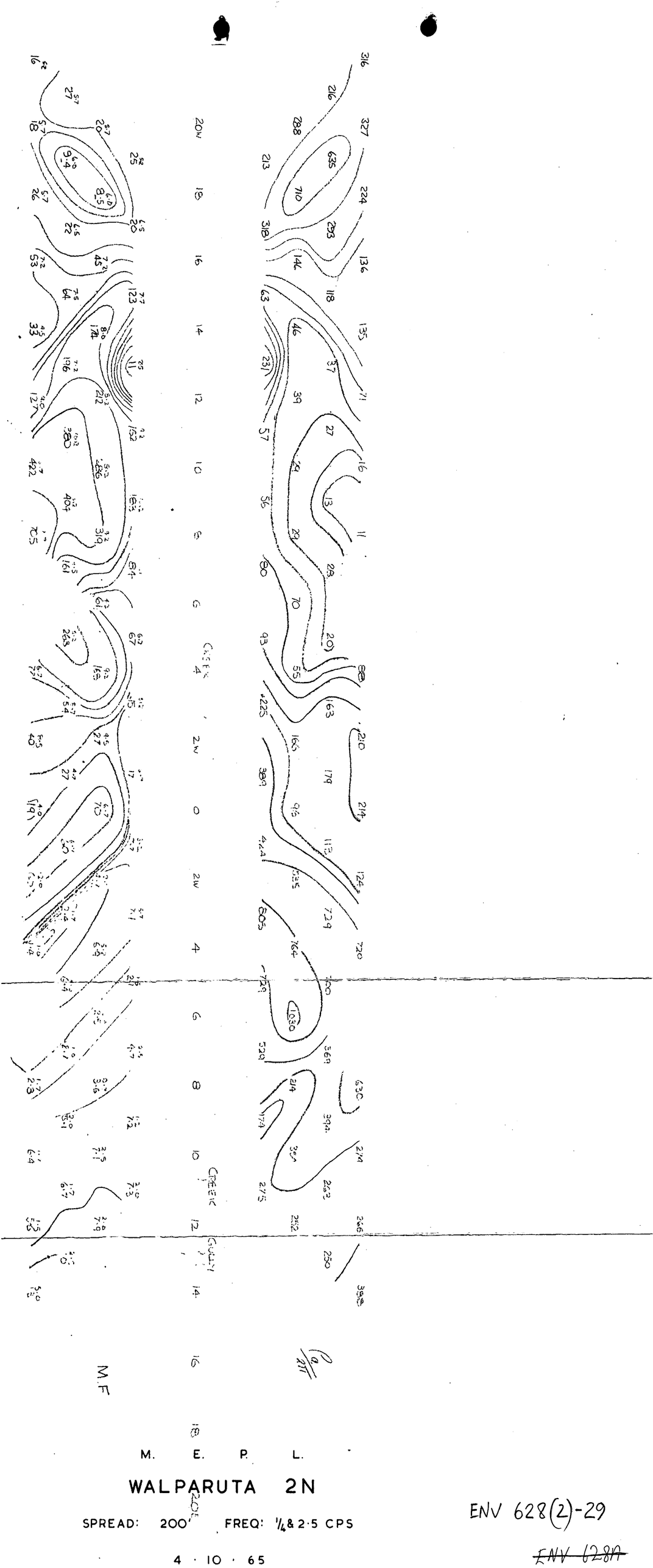
# WALPARUTA 2 N

SPREAD: 200' FREQ: 1/4 & 2·5 CPS

30 · 10 · 65

ENV 628(2)-28

~~ENV 628A~~




ENV 628(2)-29

~~ENV 628A~~

M. E. P. L.

**WALPARUTA 2 N**

SPREAD: 100' FREQ: 1/4 & 2·5 CPS

30 · 10 · 65

ENV 628 (2) - 30

~~ENV 628 ff~~

Pol/2 ff

M.F.

ENV 628(2)-31

~~ENV 628(2)~~

WINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 2 N

SPREAD: 50'  FREQ: 0·3&2·5CPS

13 · 12 · 65

3W  2·5  2·0  1·5  1·0  0·5  0·0  0·5E  1·0  1·5  2·0  2·5  3·0

MT (a)

ENV 628(2)-32

~~ENV 628A~~




(9)

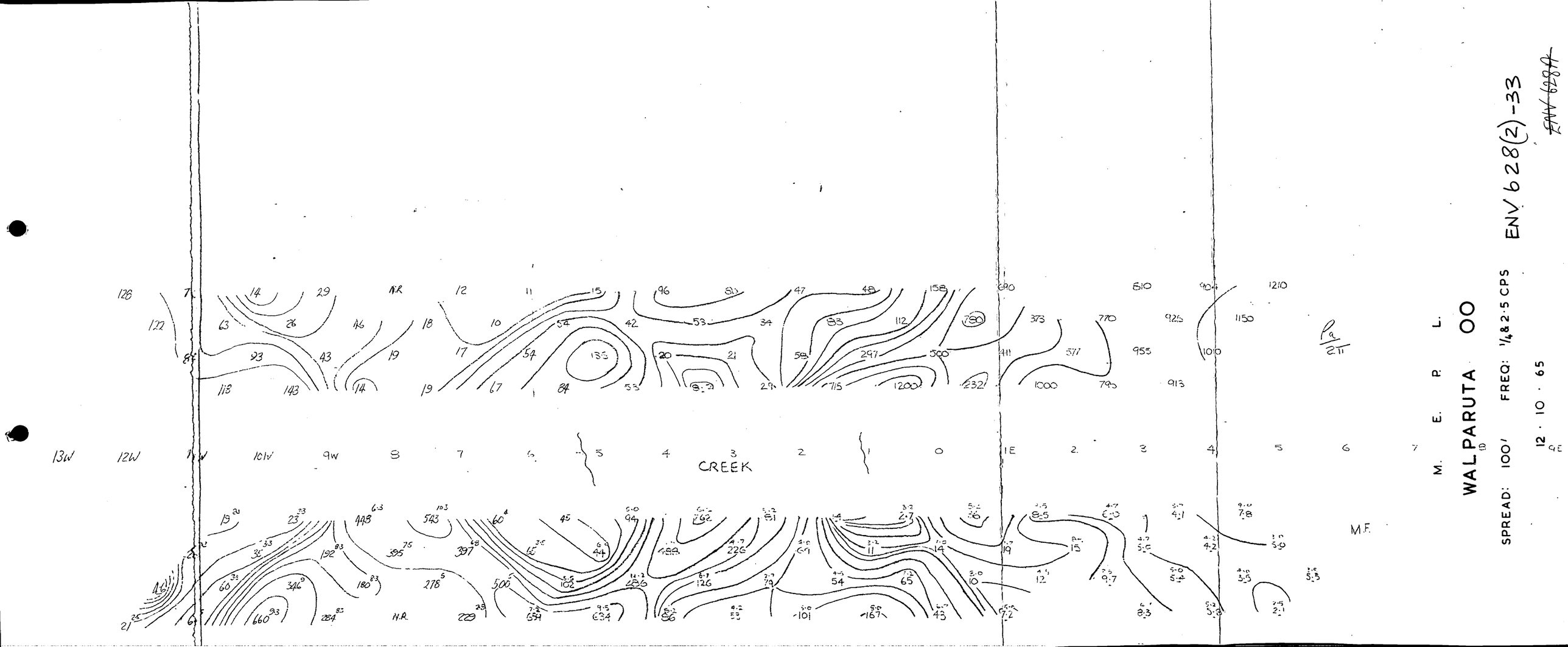
1 : F (9)

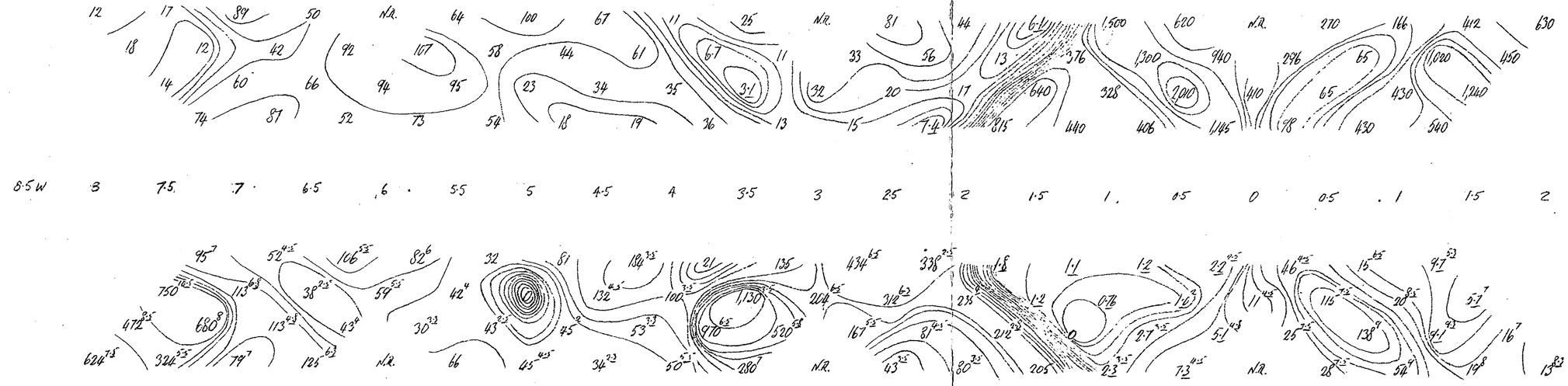
SURVEYS EXPLORATION PROPRIETARY LIMITED

# WALPARUTA 2 N

SPREAD: 100' FREQ: 0·3&2·5CPS

13 · 12 · 65


M. E. P. L.
WALPARUTA
SPREAD: 100'
FREQ: 1/4 & 2·5 CPS
12 · 10 · 65
ENV 628(2)-33
ENV 628A
CREEK
M.F.
N.R.
13W
12W
11W
10W
9W
8
7
6
5
4
3
2
1
0
1E
2
3
4
5
6
7




M. E. P. L.

WALPARUTA OO

SPREAD: 50' FREQ: 1/4 & 2·5 CPS

27 · 10 · 65

ENV 628(2)-34

~~ENV 628~~

Pa/2.11

M.F.

ENV 628(2)-35

ENV 628A

M. E. P. L.

# WALPARUTA OON

SPREAD: 200' FREQ: 1/4 & 2·5 CPS

28 - 9 - 65

Pa 1/211

22W 20W 18W 16W 14W 12W 10W 8W 6W 4W 2W 0 2E 4E 6E 8E 10E 12E 14E 16E 18E 20E

CREEK

MINE SHAFT

N.R

M.F

MINES EXPLORATION PROPRIETARY LIMITED

# WALPARUTA OO

SPREAD 200' FREQ: 0·3 & 2·5 CPS

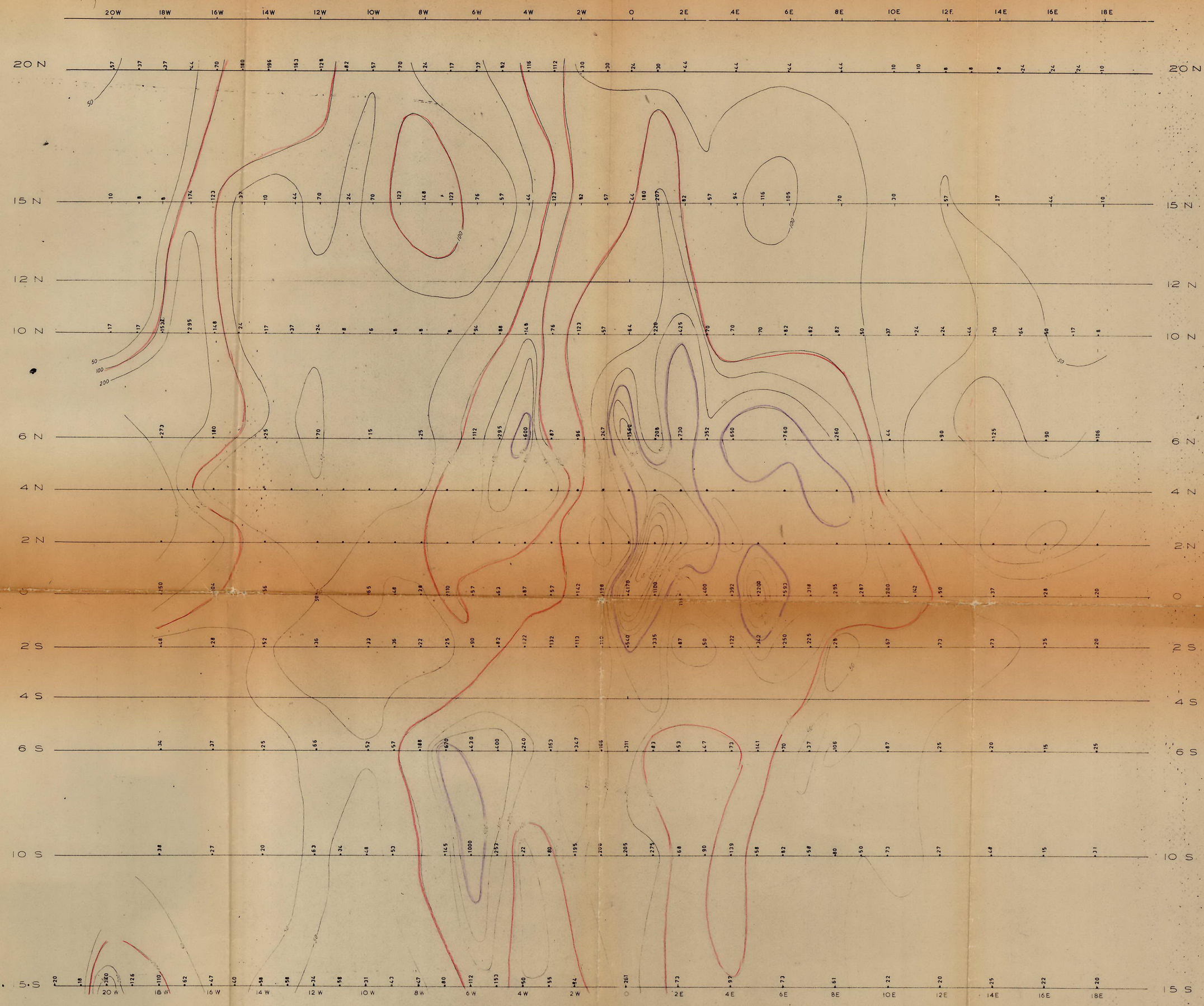
16 · 12 · 65

ENV 628(2)-36

ENV 628A

Dry Creek

36 38 40 42 44 46 48 50 52 54 56 58 60 62




LOCATION OF SAMPLES

SAMPLES TAKEN IMMEDIATELY ABOVE 'C' HORIZON
SAMPLE DEPTH RANGE 6"- 3' AVERAGE 18"

VALUES SHOWN IN PARTS PER MILLION
SOIL SAMPLES, -80 MESH, AAS DETERMINATION

MINES EXPLORATION PTY. LTD.

# GEOCHEMICAL COPPER CONTOURS

# WALPARUTA (OLARY) S.A.

PLAN SCALE 1" = 200'

ENV 628(1)-32

~~ENV 628~~

ENV 628(1)-34

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 440E

SPREAD: 400' FREQ: ¼ & 2.5 C.P.S.

DATE: 12' 7 '66

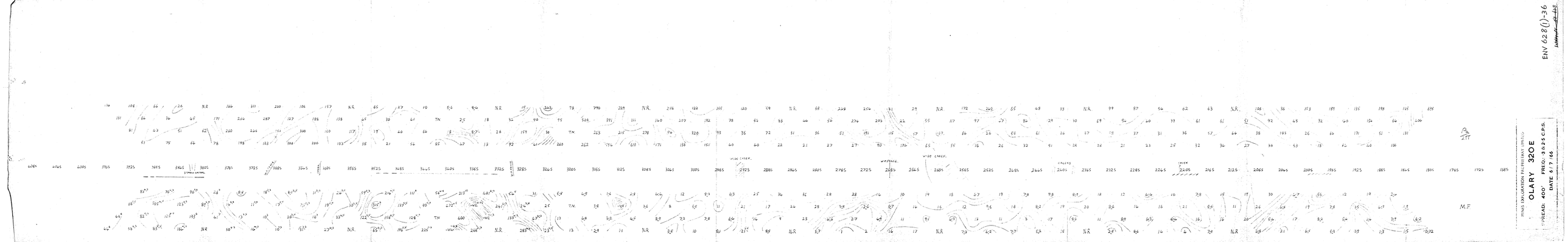
ENV 628(1)-95

IOWA EXPLORATION PROPERTY UNIT

OLARY 360E

SCALE: 400' FREQ. 24 C.P.S.

DATE: 26 ? 46


ENV 628(I)-36
OLARY 32OE
SPREAD: 400' FREQ: 3825 C.P.S.
DATE 6.17.66
MINES EXPLORATION PROPRIETARY LIMITED
WHITE CREEK
TRIER
M.F.

ENV 628(j)-37

MINES EXPLORATION PROPRIETARY LIMITED

OLARY 280 E

SPREAD: 400 | FREQ: 3 & 2.5 C.P.S.

DATE: 4.7.66

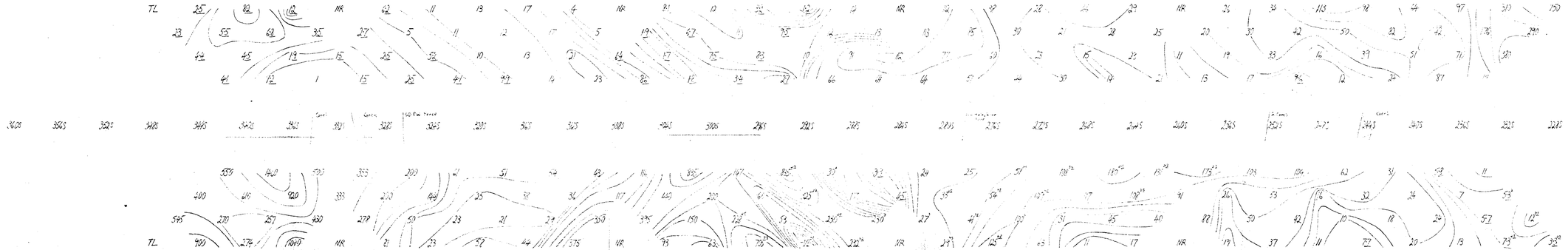
MINES EXPLORATION PROPRIETARY LIMITED

OLARY 240E

SPREAD: 400' FREQ: 0.5 & 2.5 C.P.S.

DATE: 27.6.66

EM 628(1)-38



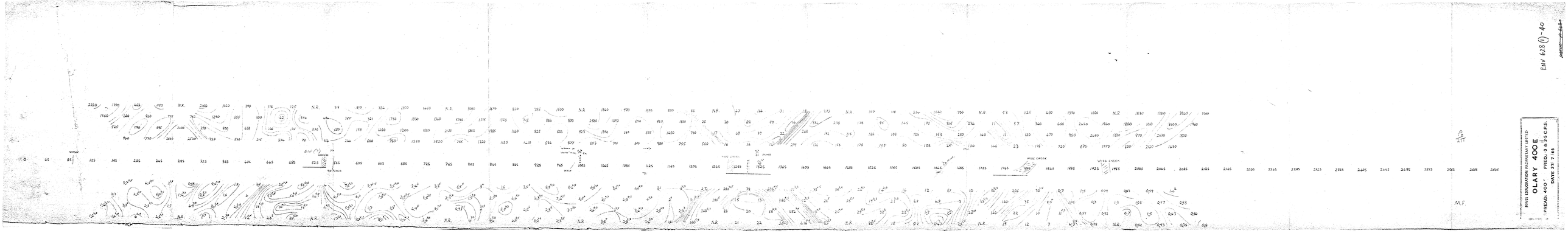

MINES EXPLORATION PROPRIETARY LIMITED

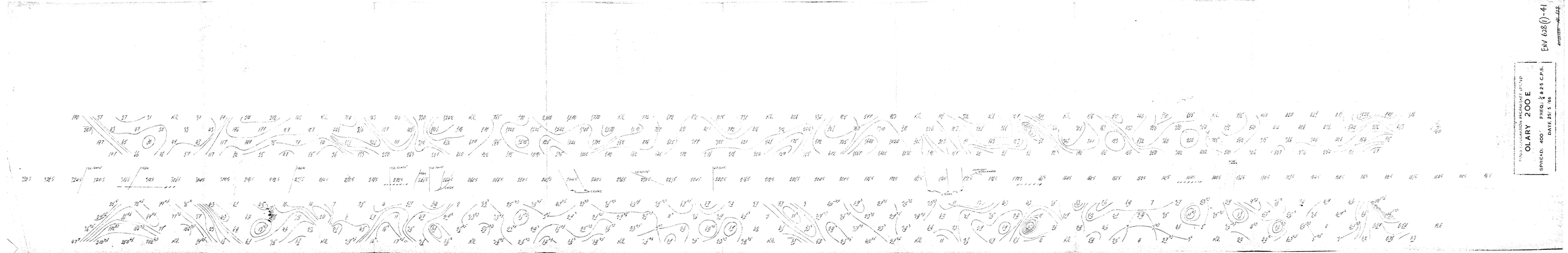
OLARY 400E

SPREAD: 400 FREQ.: 3 & 2·5 C.P.S.

DATE 11 / 7 66

ENV 628(1)-39


ENV 628(I)-40
MINES EXPLORATION PROPRIETARY LIMITED
OLARY 400E
SPREAD: 400' FREQ: 3 & 25 C.P.S.
DATE: 27.7.66
WIDE CREEK
M.F.


OLARY 200 E
SPREAD 400'
FREQ. 4 & 25 C.P.S.
DATE 25 5 '66
ENV 628(1)-41

ENV 628(1)-42

FAWLEY No 628

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 200 E

SPREAD: 400' FREQ.: ·3 & 2·5 C.P.S.

DATE 17/7/66

ENV 628(1)-43

~~ENVELOPE NO 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 200E

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 18/7/66

Pa

21T

M.F.

1225 1185 1145 1105

1705 1665 1625 1585 1545 1505 1465 1425 1385 1345 1305 1265

TORRENS CREEK

472 390 507 960 422 760 690 400 458

207 915 398 284 700 890 326 492

444 705 116 530 910 393 396

290 210 316 760 424 465

0·86 2·4 3·2 2·3 3·5 3·8

3·4 1·8 2·2 2·8 $2·7^{2·5}$ 3·8 4·4

3·6 1·9 3·1 3·5 $3·6^{2·5}$ $2·8^{2·5}$ 5·4 3·1

1·2 3·2 3 1 $5·3^{2·3}$ $3·3^{2·5}$ $3·3^{2·3}$ 4·4 $6^{2·9}$

ENV 628(L)-44

~~ENVELOPE NO 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 200E

SPREAD: 400' FREQ.: ·3 & 2·5 C.P.S.

DATE 18/7/66

M.F.

Pa

2TT

131 218 550 310 370 186 139 475 394

117 176 454 123 144 288 242 208

94 136 159 474 197 428 100

65 47 95 68 208 132

WASHES. NUMEROUS WASHES.

198S 194S 190S 186S 182S 178S 174S 170S 166S 162S 158S 154S 150S 146 142S

3·8 0·53 5·3 11 1·2 5·8

5·3 1·8 1·6 0·53 3·8 3·5 10

8·6 2·8 1·1 4·1 1·7 4·3 4·1 3·6

1·9 3·4 0·96 1·6 0·68 4 3·6 1·6 2·5

TRANS-CANADA PIPELINES LIMITED

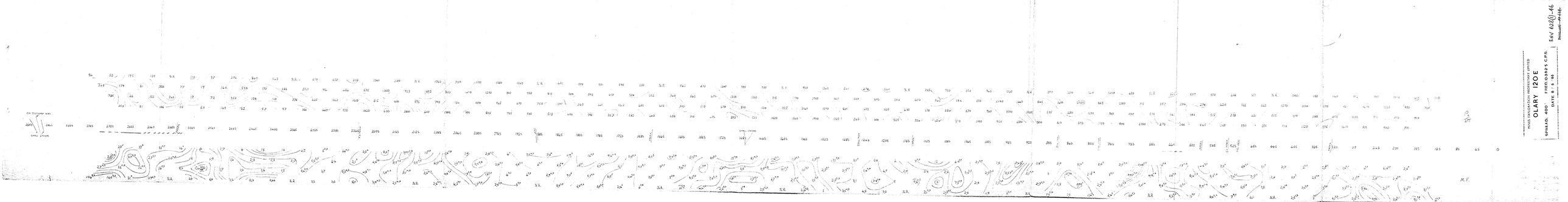
OLARY 160E

SPREAD 400 FREQ. 03625 C.P.S.

DATE 25 5 '66

ENV 628(1)-45

ARCHIVE #148


PAN AMERICAN PETROLEUM CORPORATION
OLARY I20E
SPACER 400' FEED 0.3825 C.P.S.
DATE 6 / 6 / 46
E&V 6820.46
Scale 400'=1"
M.F.

ENV 628(1)-47

~~Extended NW 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 120E

SPREAD: 400' FREQ.: 3 & 2·5 C.P.S

DATE 18 / 7 / 66

1370 780 570 660 344 316 382 535 972

650 1450 570 293 251 380 442 609

1120 1330 286 214 358 (577) 453

1080 730 256 240 44 445

905 865 825 785 745 705 665 625 585 545 505

19 21 68 51 54

17 19 15 63 34 44

35 17 42 13 59 48 38

15 42 53 57 38 11 63 39

NES EXPLORATION PROPRIETARY LIMITED

# OLARY 80E

LEAD: 100' FREQ: 1/4 & 2·5 C.P.S.

DATE 23/7/66

ENV 628(1)-48

ENVELOPE NO 628

ENV 628 (1)-49

~~ENVELOPE NO 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 80E

SPREAD: 200' FREQ.: ¼&2·5 C.P.S.

DATE 22/ 7 /66

ENV 628(1)-50

~~ENVELOPE NO 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 80E

SPREAD: 300' FREQ.: 3 & 2·5 C.P.S.

DATE 20/ 7 /66

ENV 6280(1)-51

~~ENVELOPE NO 628~~

NRS EXPLORATION PROPRIETARY LIMITED

# OLARY 80 E

HEAD: 300' FREQ.: ¼ & 2·5 C.P.S

DATE 21/7/66

Pa/211

MF.

2555 2525 2495 2465 2435 2405 2375 2345 2315 2285 2255 2225 2195 2165 2135

725 138 26 5·3 18 11 T.N. 6·3 496

390 69 27 4·6 18 2·5 T.N. 660

255 147 44 5 5·1 6·4 340

420 324 152 4·6 10 605

18 30 28 1950 425 3·7

76 72 267 550 1,620 1290 5·4

19 490 370 292 1390 T.N. 2·3

7·9 83 2470 520 180 204 T.N. 515 4

SPIKE ELECTRODES

MINS EXPLORATION PROPRIETARY LIMITED

OLARY BOE

SPREAD: 400' FREQ: 1 & 2.5 C.P.S.

DATE: 14 & 16

ENV 128(1)-F2

ENV 628(1)-53

ENVELOPE NO 1238.

MINES EXPLORATION PROPRIETARY LIMITED.

# OLARY 40E

SPREAD: 100' FREQ.: ¼ & 2·5 C.P.S.

DATE 23/ 7 /66

ENV 628(1)-54

~~ENVELOPE NO 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 40E

SPREAD: 200' FREQ.: 3 & 2·5 C.P.S.

DATE 21/7/66

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 40E

SPREAD: 300' FREQ.: ¼ & 2·5 C.P.

DATE 19/7/66

ENV 628(1)-55

ENVELOPE NO 628

1,570 1,030 570 73 135 148 302 470 123

1,100 1,070 204 68 137 220 246 262

1,100 362 177 62 153 136 133

306 305 214 19 113 92

SMALL CREEK

SMALL CREEK

1075 1045 1015 985 955 925 815 865 835 805 775 745 715 685 655

4·1 9 26 43 16 12·7

3·4 4·7 21 40 13 4 5·7

4·7 16 44 22 1·8 3 1·7

2·3 3 4·5 7·9 27 13 14 1·8 5·7 1 14

Pa 211

M.E.

ENV 628(1)-56

~~ENVELOPE NO 628~~

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 40 E

SPREAD: 300' FREQ.: 1/4 & 2·5 C.P.S.

DATE 20/7/66

298 126 167 154 194 143 159 165 272

316 204 130 110 140 100 184 158

510 168 88 77 93 119 190

1140 94 61 43 116 179

Pd 2.0

545 515 485 455 425 395 365 335 305 275 245 215 185 155 125

STABLE CREEK

S.D. FENCE

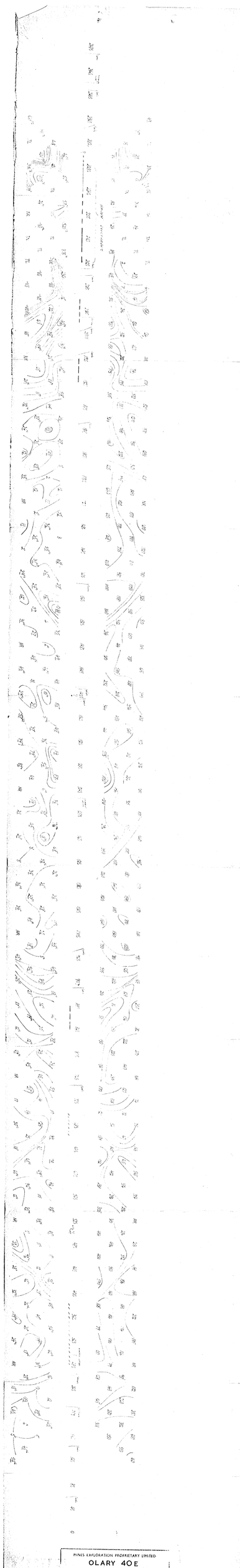
STABLE CREEK

9.1 40 35 62 38 53 23 20 23 13

7.5 4.3 27 4.5 57 5 33 2.3 32 3 17 2.3 9.2

13 4 21 4.3 38 5 30 3.3 23 2.3 30 3 12 2.3 7.9 M.F.

13 4 36 4.5 31 5.3 24 3.8 15 3.5 23 3.3 14 2.3 11 10 2.5



MINES EXPLORATION PROPRIETARY LIMITED

OLARY 40E

SPREAD: 400 ' FREQ.:03 & 2·5 C.P.S.

DATE 24 6 /66

Env 628(1)-57

ENV 628(1)-58

ENVELOPE NO 628.

MINES EXPLORATION PROPRIETARY LIMITED

# OLARY 40 E

LEAD: 400' FREQ.: 3 & 2·5 C.P.S.

DATE 19/7/66

MINES EXPLORATION PROSPECTING DIVISION

OLARY 360E

SPEED 400 FREQ. 1 & 2.5 C.P.S.

DATE 8 / 7 / 66

ENV 628(1)-59