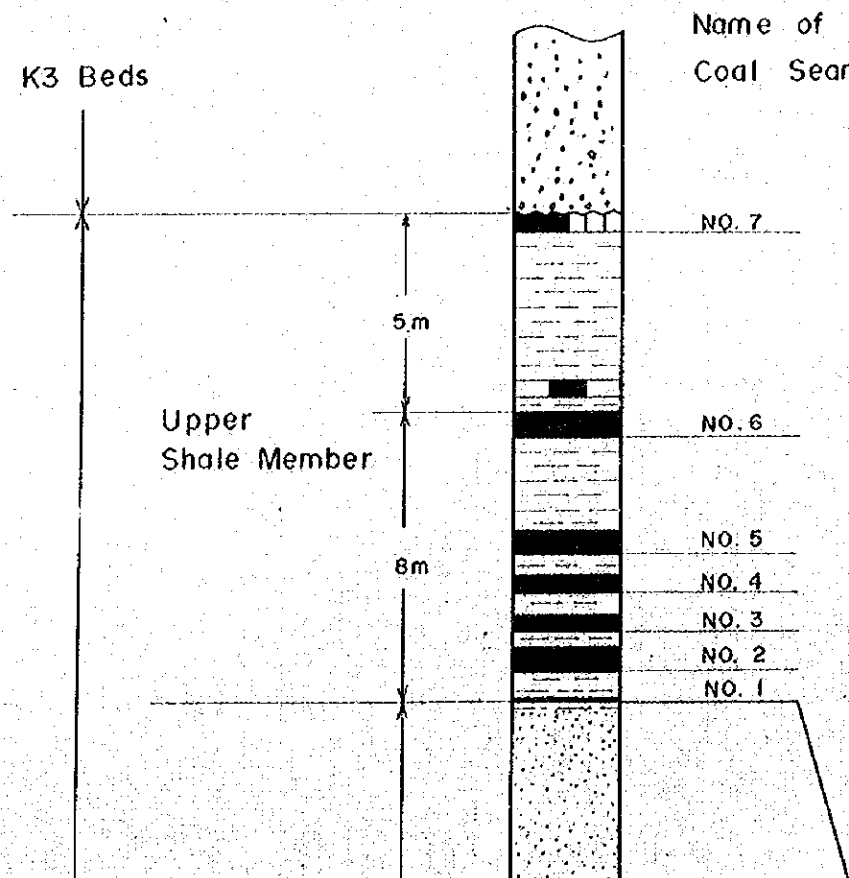


Fig No.3

REPUBLIC OF MALAWI
NGANA COALFIELD

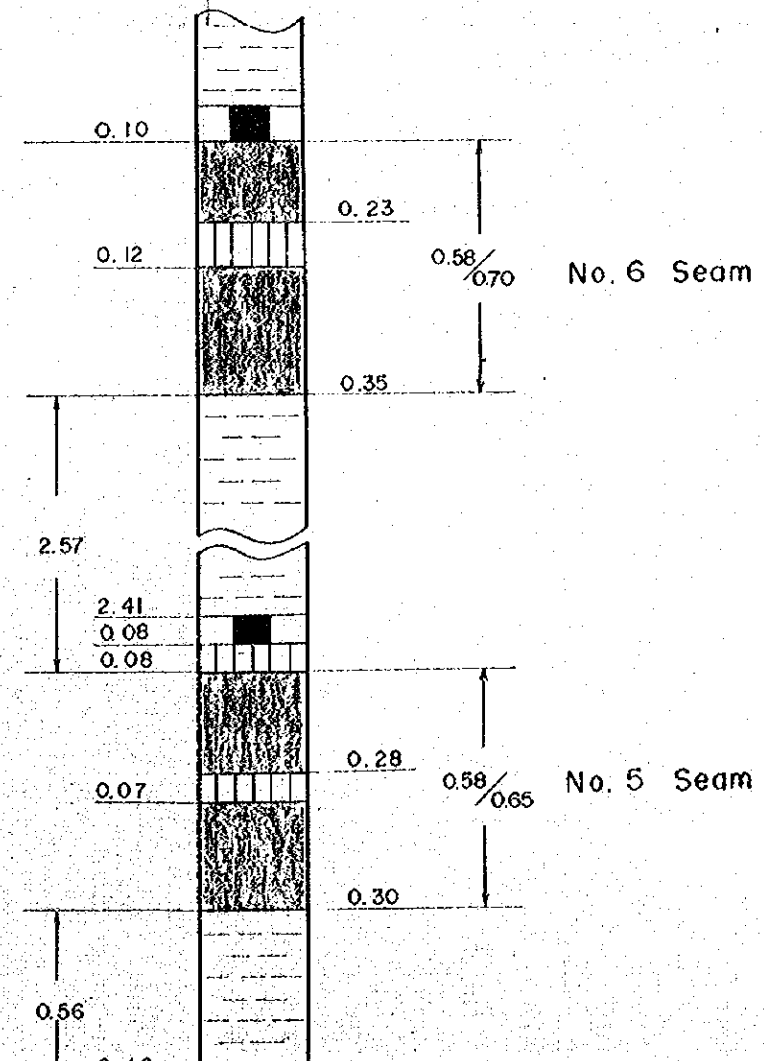
Geological Columnar Section

S = 1 : 200



Coal Seam Columnar Section

S = 1 : 20



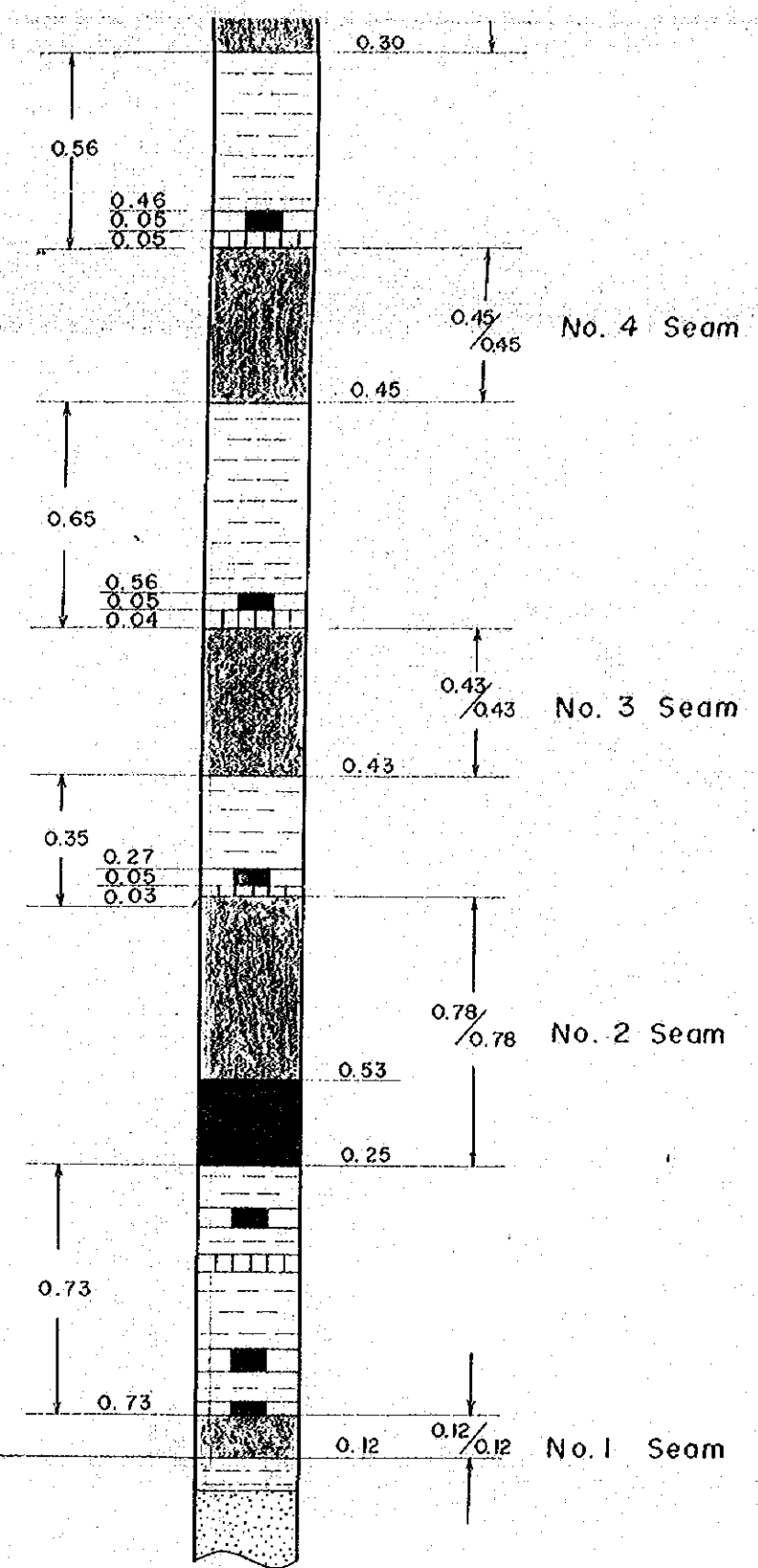
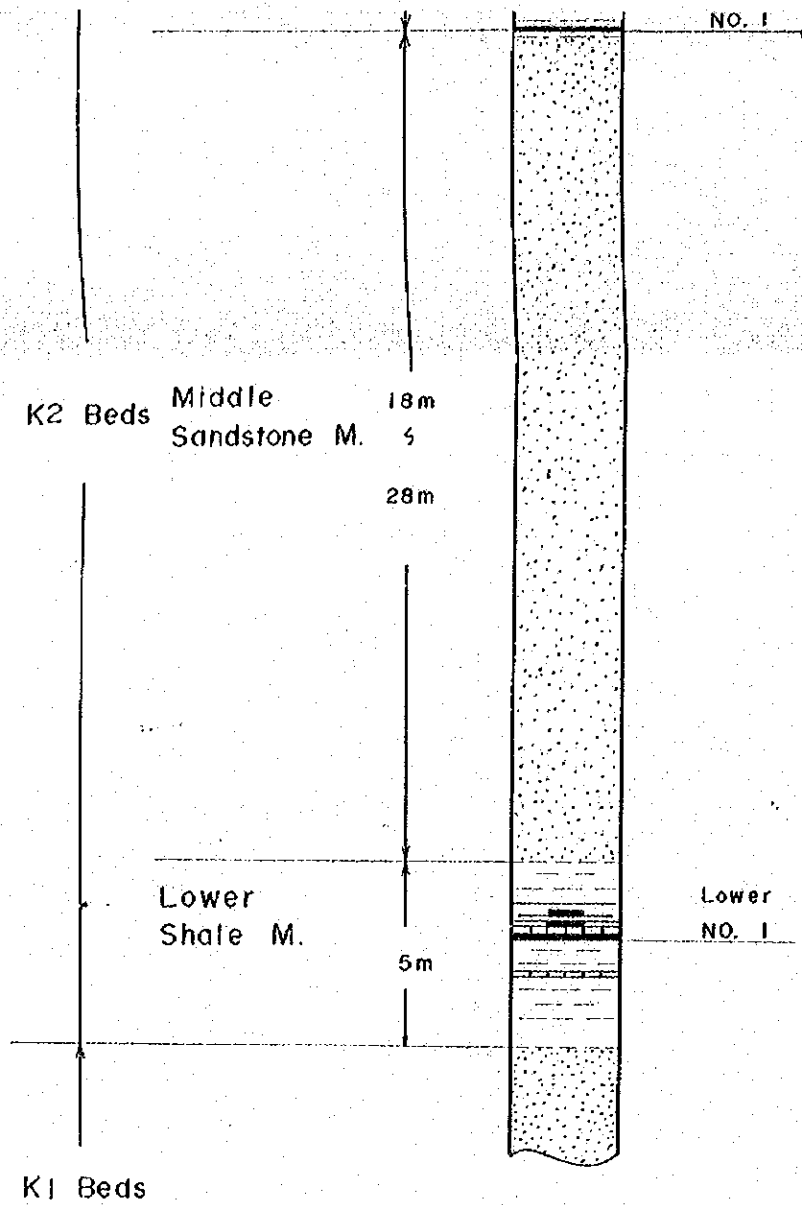
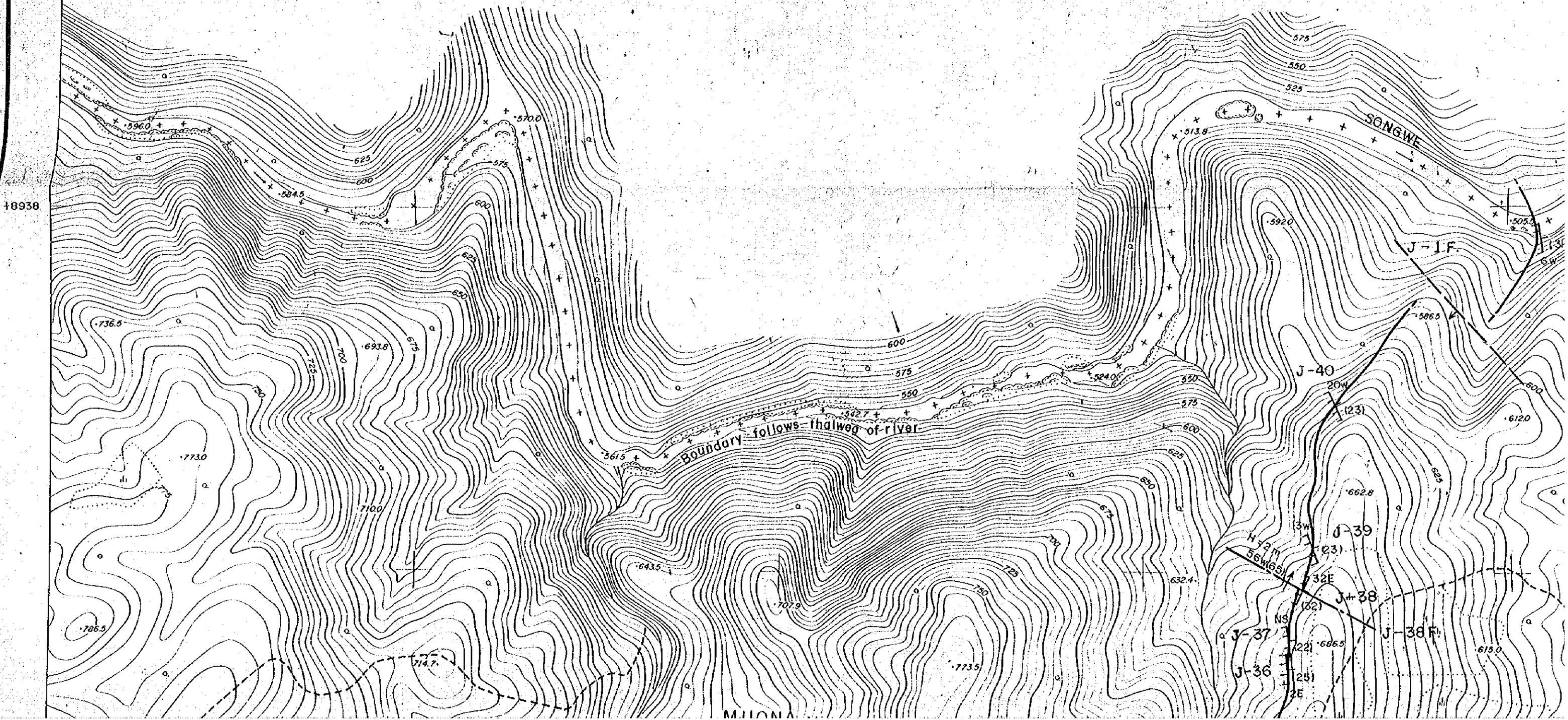


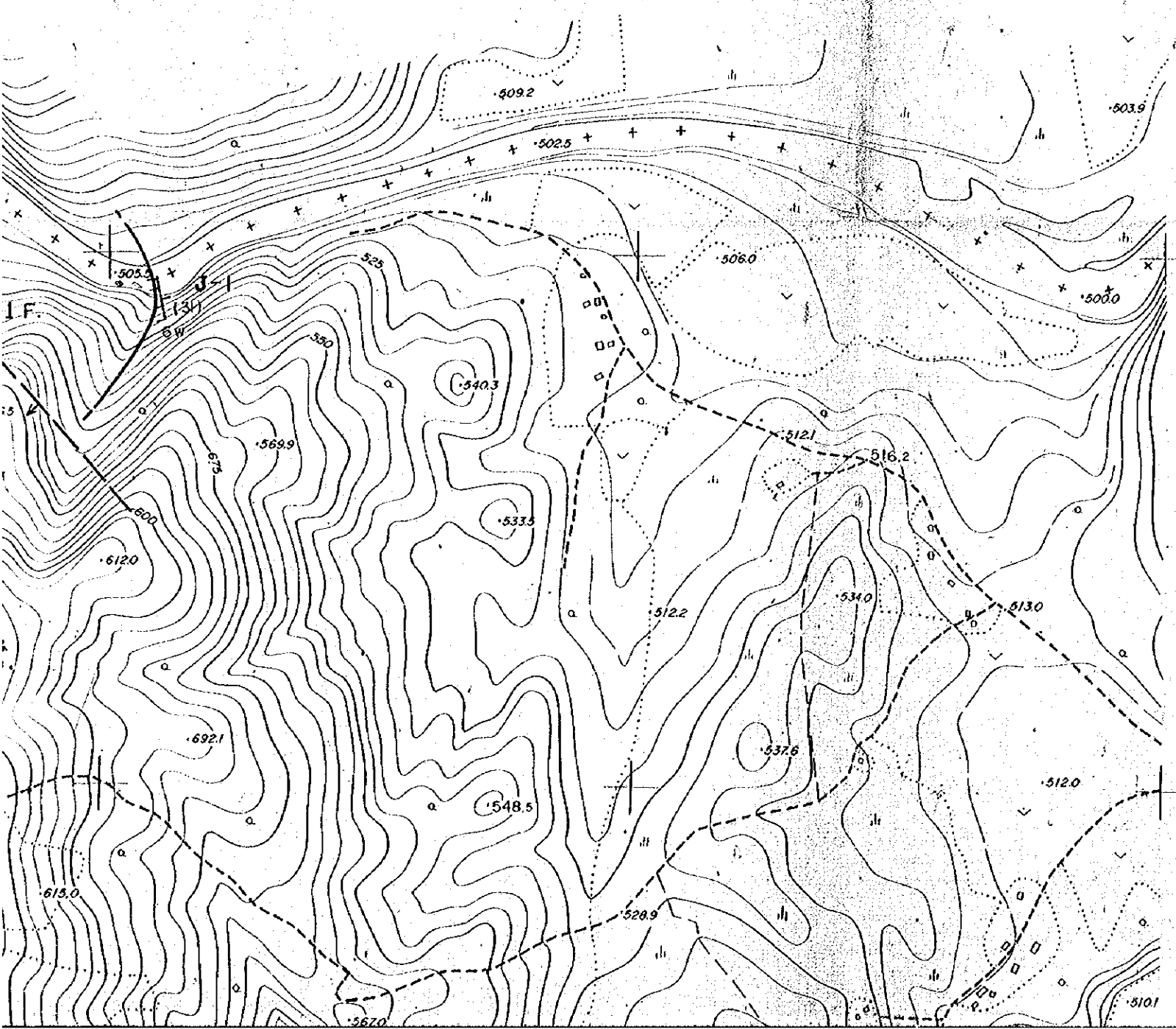
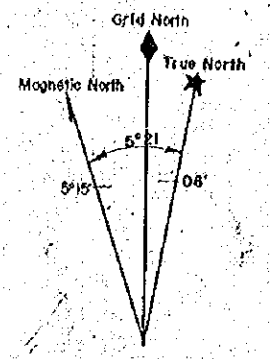
Fig No.4 REPUBLIC OF MALAWI

NGANA COAL FIELD



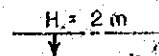

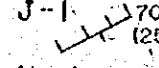
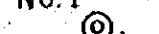
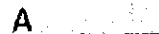
COAL SEAM THICKNESS












AM TRACING MAP



REGENT

-  No. 5 Seam
-  Lower No. 1 Seam
-  Fault (Normal F. Stratigraphic Throw = 2 m)
-  Inferred Fault (Reverse F.)
-  Trench Number, Dip and Strike of Coal Seam.
Location of Top Seam in Trench
-  Borehole No. by S.A.
-  Geological Profile Line

-  Triangulation point
-  Spot Height
-  Building
-  Main Road
-  District Road
-  Pond / Lake
-  Crumbling Cliff
-  Bridge
-  Cultivation

+574

+575

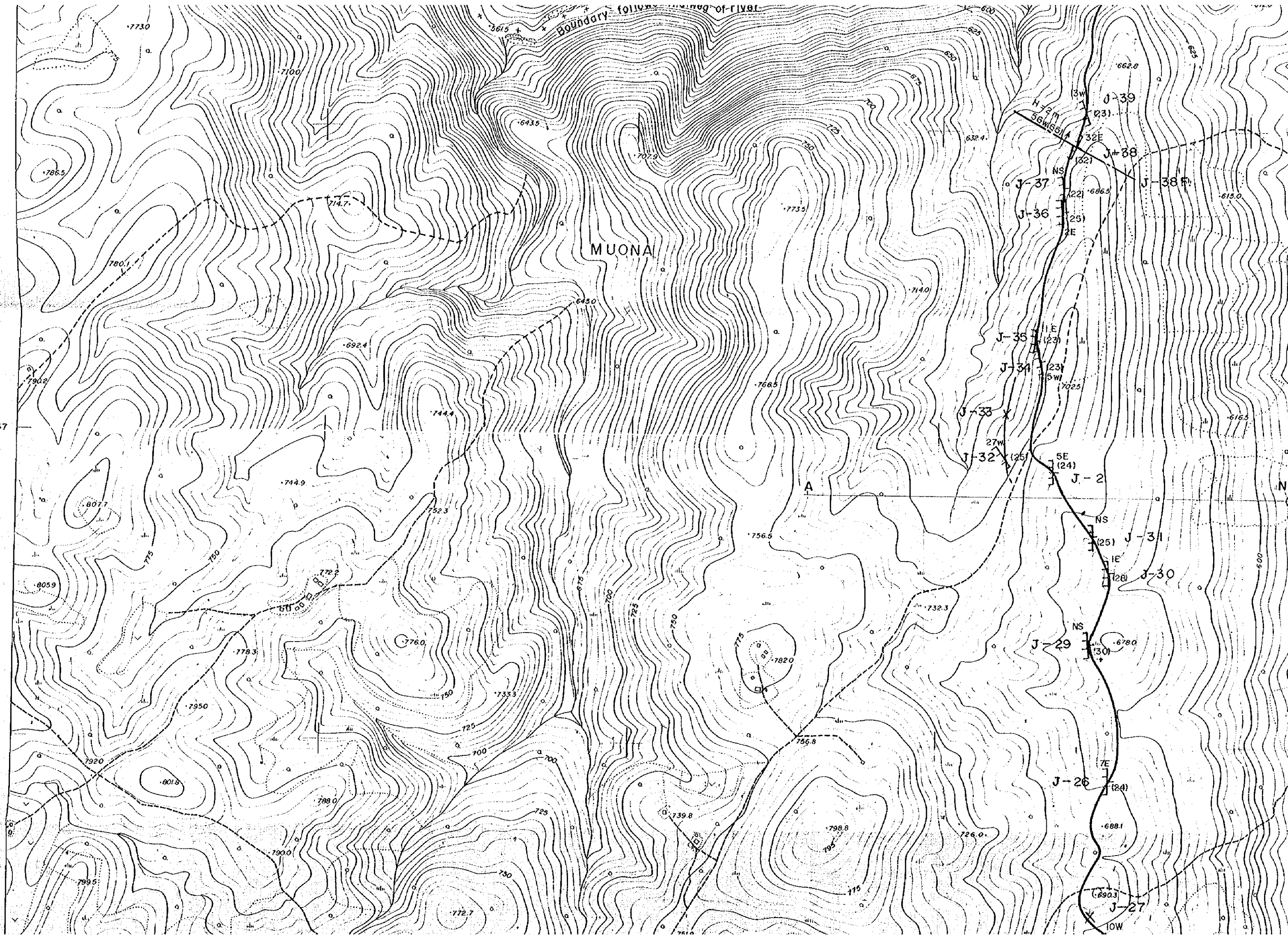
+576

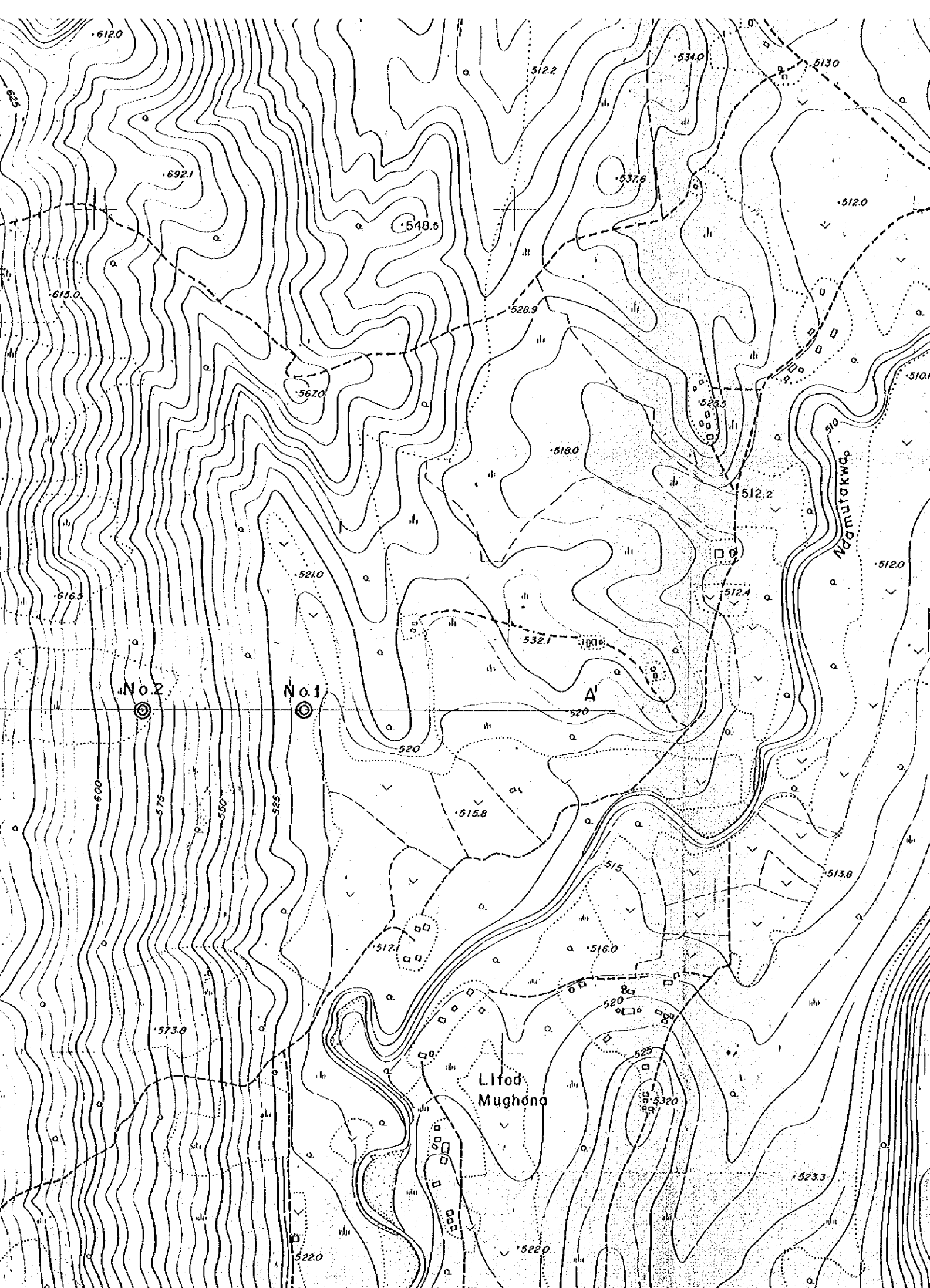
+8938

Boundary following course of river

MUONA

+8937





--- Inferred Fault (Reverse F.)

J-1 70E (25)

Trench Number, Dip and Strike of Coal Seam.
Location of Top Seam in Trench

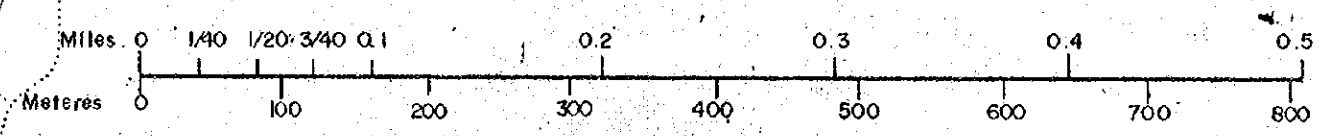
No. 1

Borehole No. by S.A

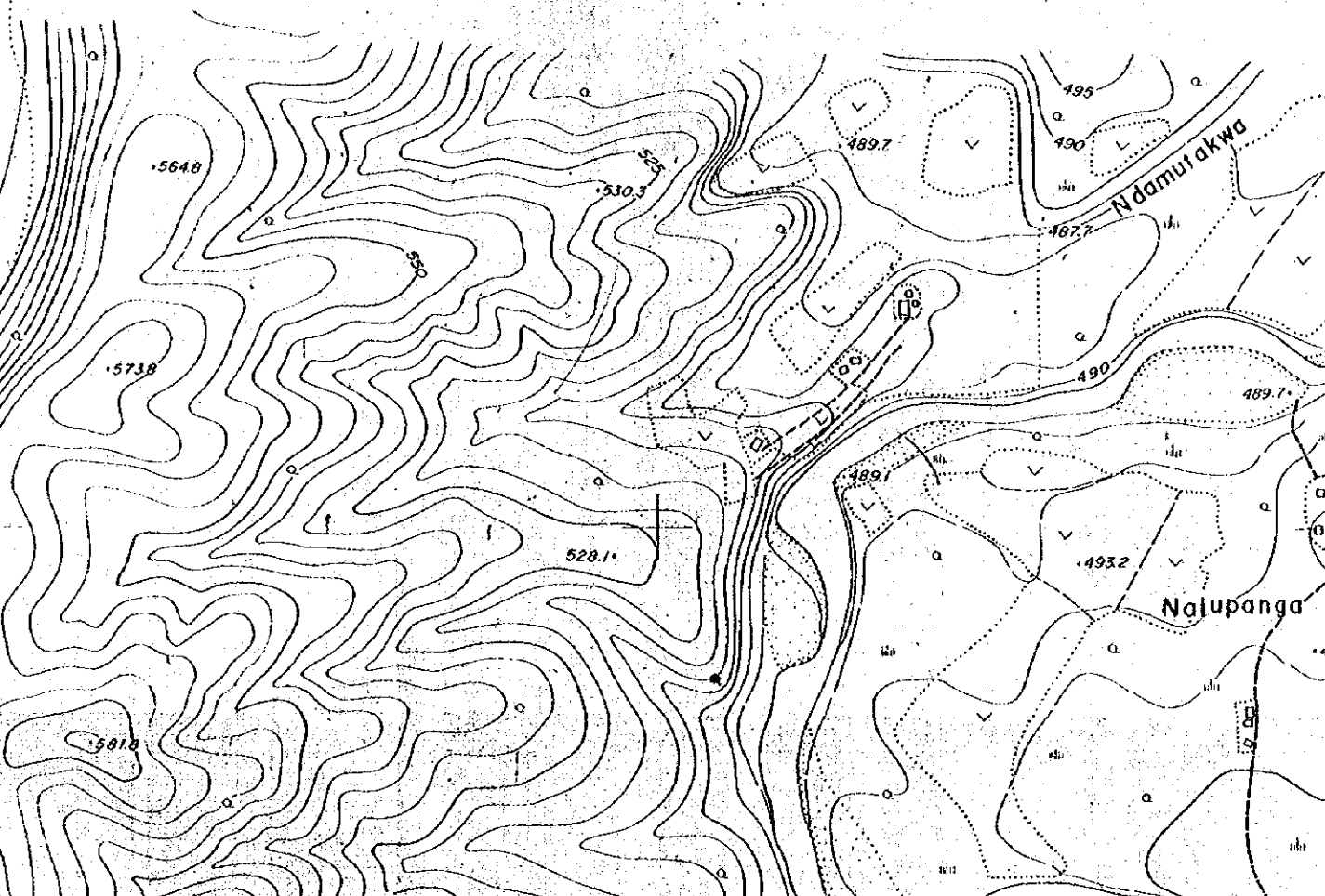
A-A' Geological Profile Line

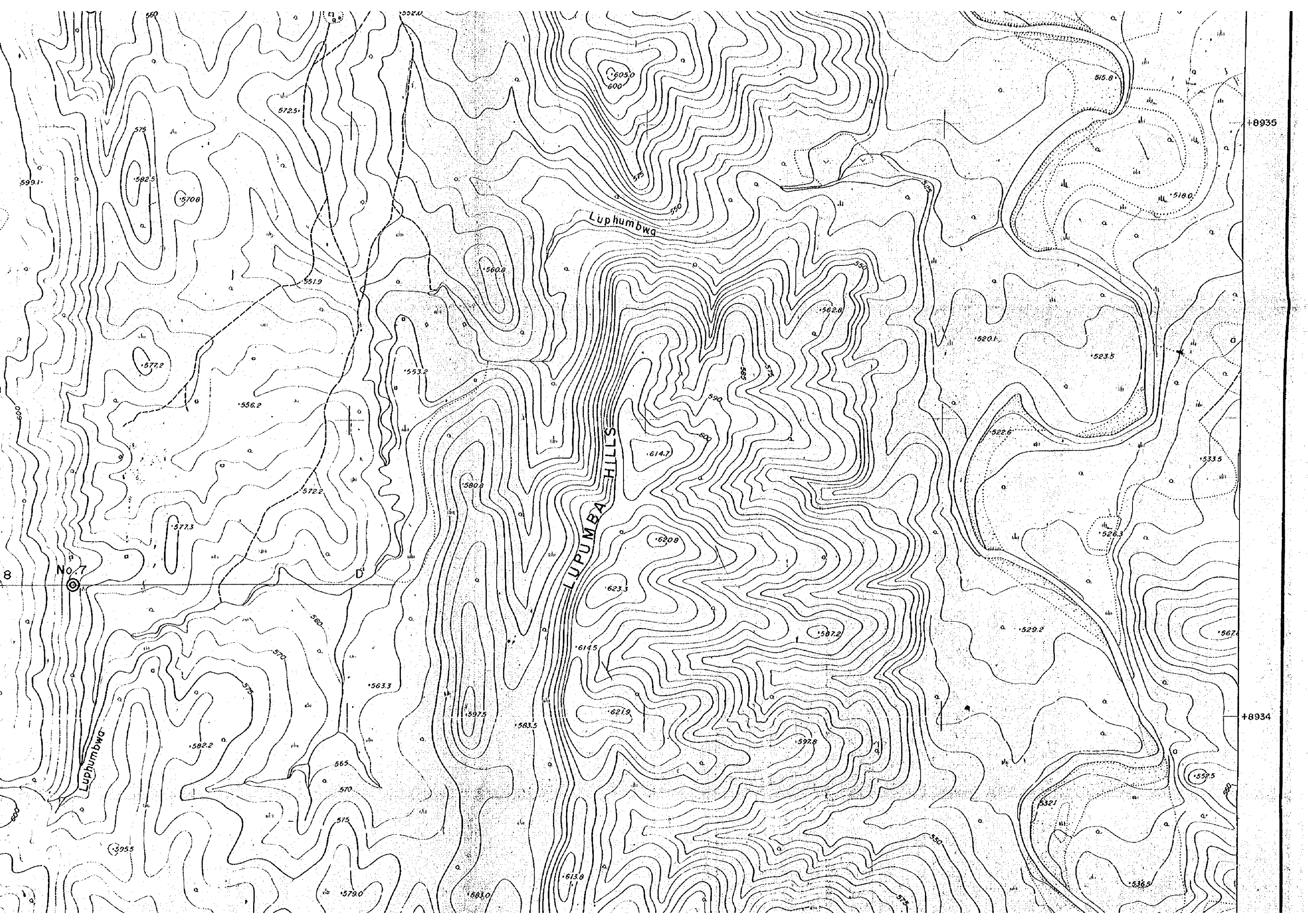
- | | | | |
|---------|---------------------|-----|---------------------------------------|
| △ 128.9 | Triangulation point | ○ | Pond / Lake |
| • 161.3 | Spot Height | mmm | Crumbling Cliff |
| □ | Building | ≡≡≡ | Bridge |
| ≡≡≡ | Main Road | ∇ ∇ | Cultivation |
| ≡≡≡ | District Road | | Grassland |
| --- | Track / Pass | | Scrub |
| | Slopes (Cut) | ⊙ ⊙ | Forest |
| | Slopes (Bank) | --- | (5m) Intermediate Contour Line |
| | Vegetation Boundary | --- | (2.5m) Supplementary Interval Contour |
| ~ | River | --- | (25m) Index Contour |
| ~ | Tributary | | |
| ~ | Sand Dune | | |

SCALE 1:5,000



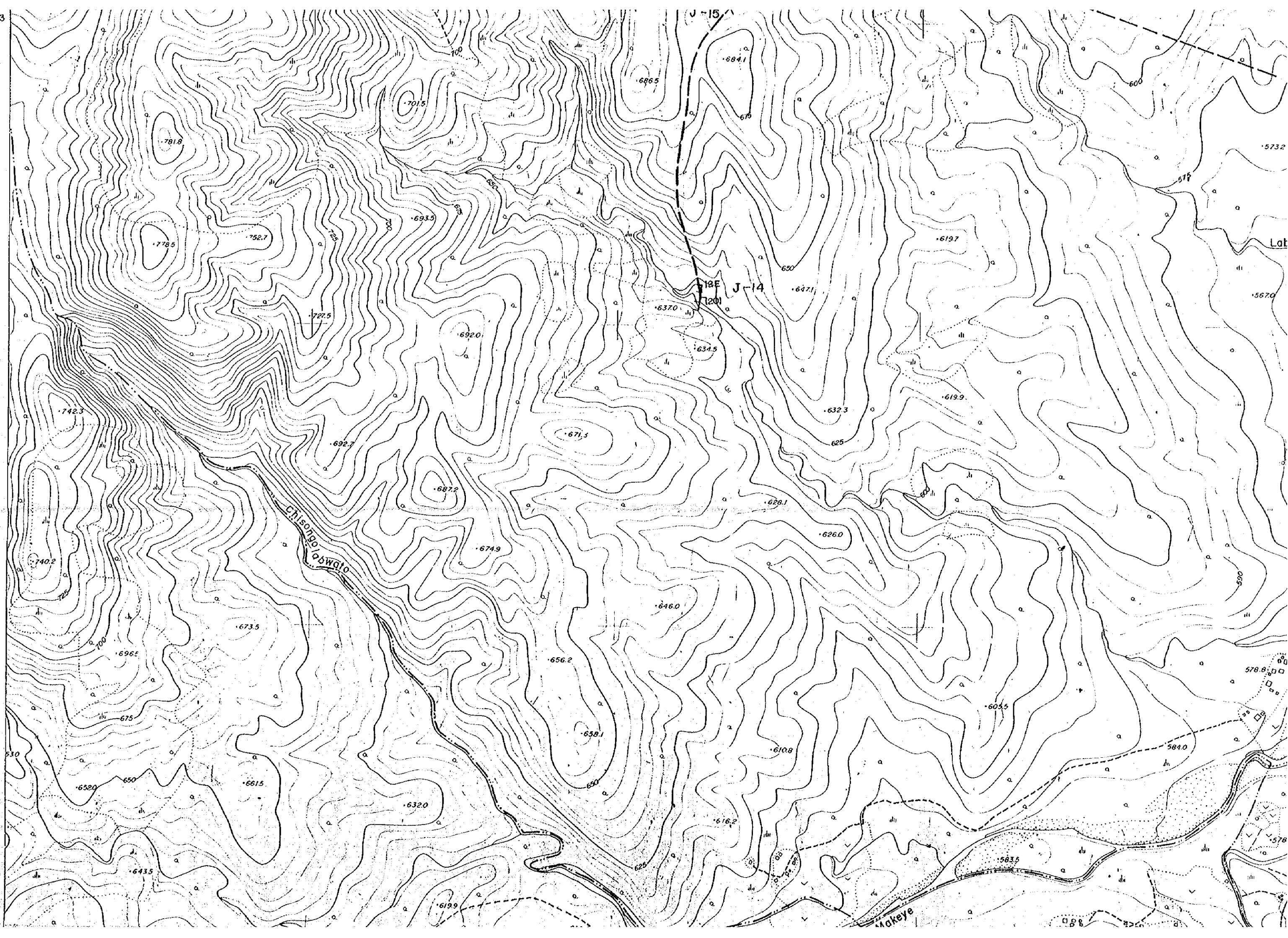
+ 8937

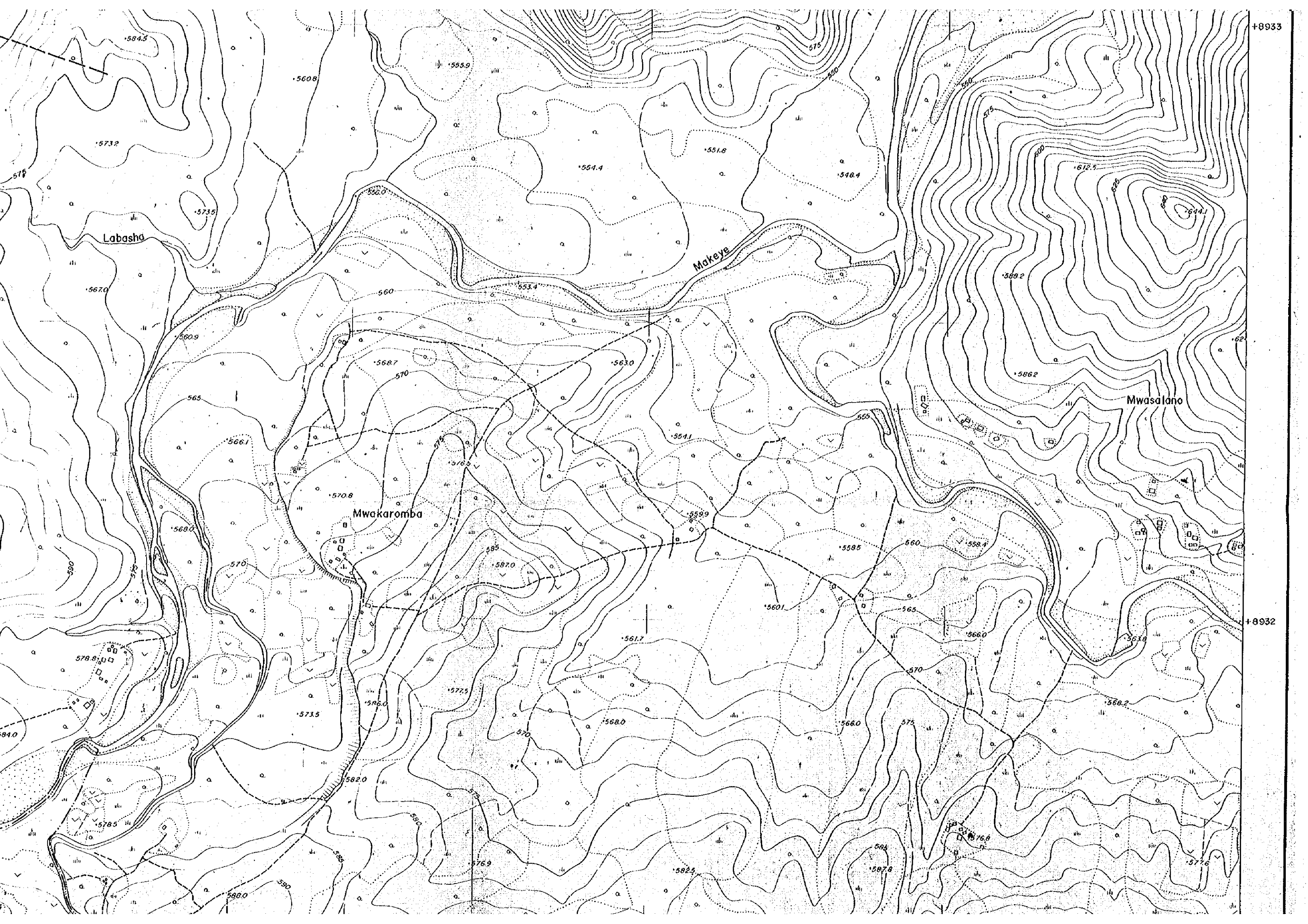




18933

18932





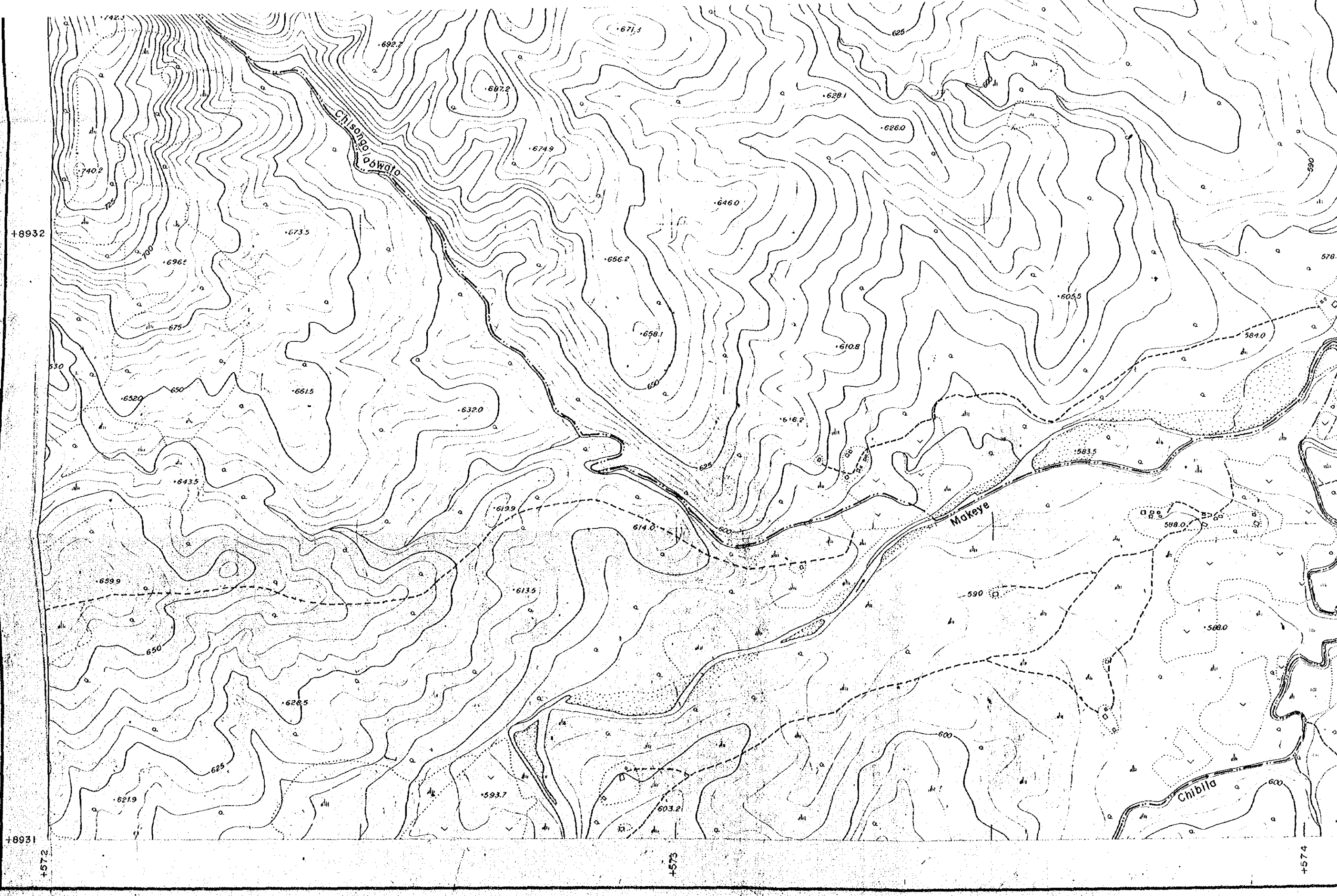
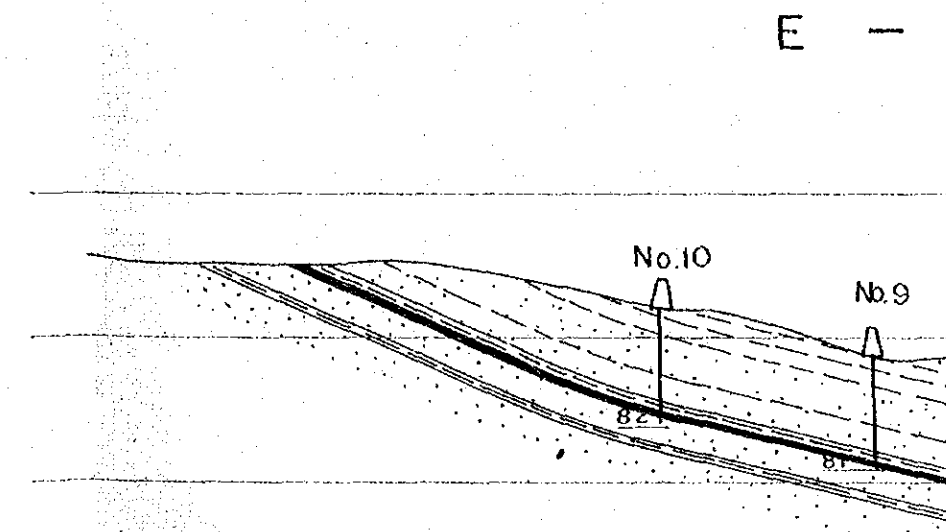
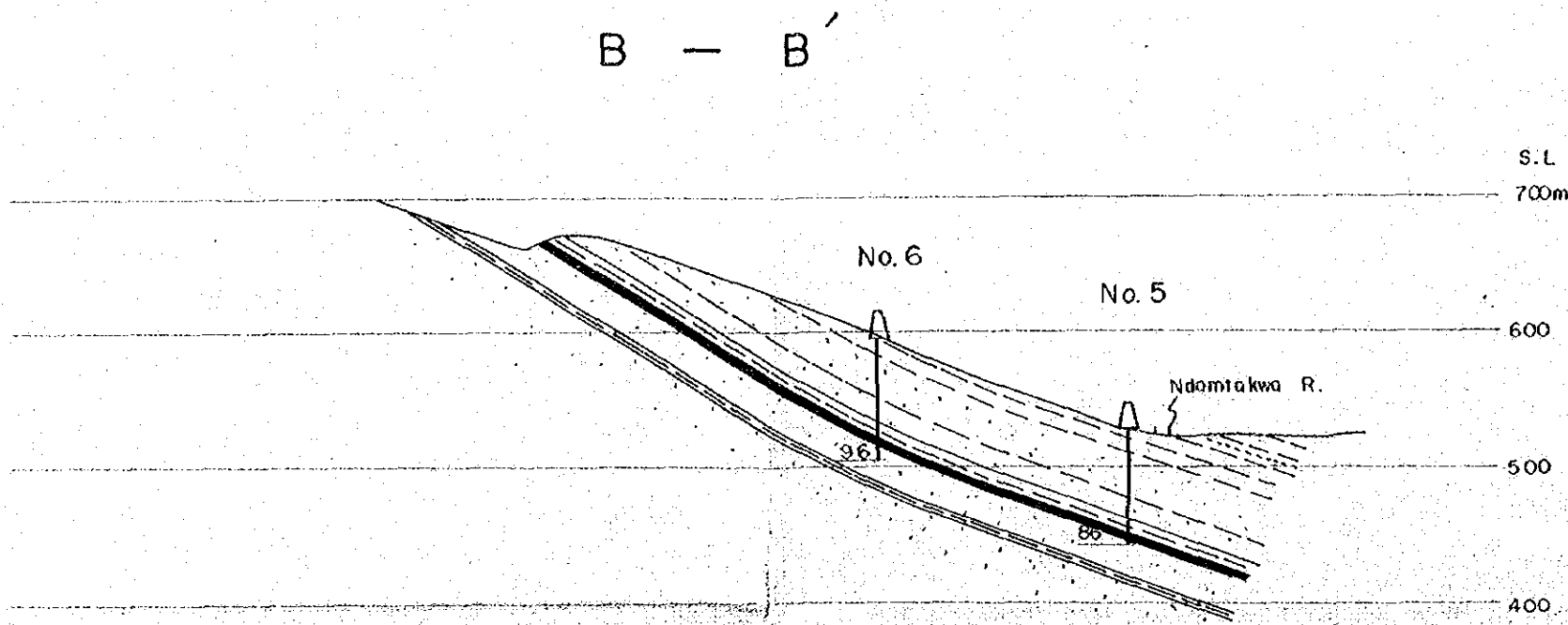
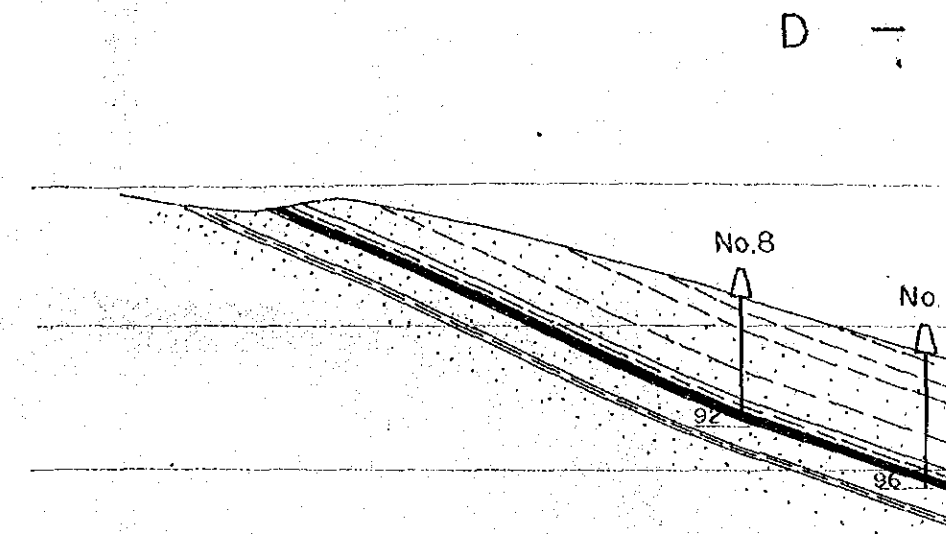
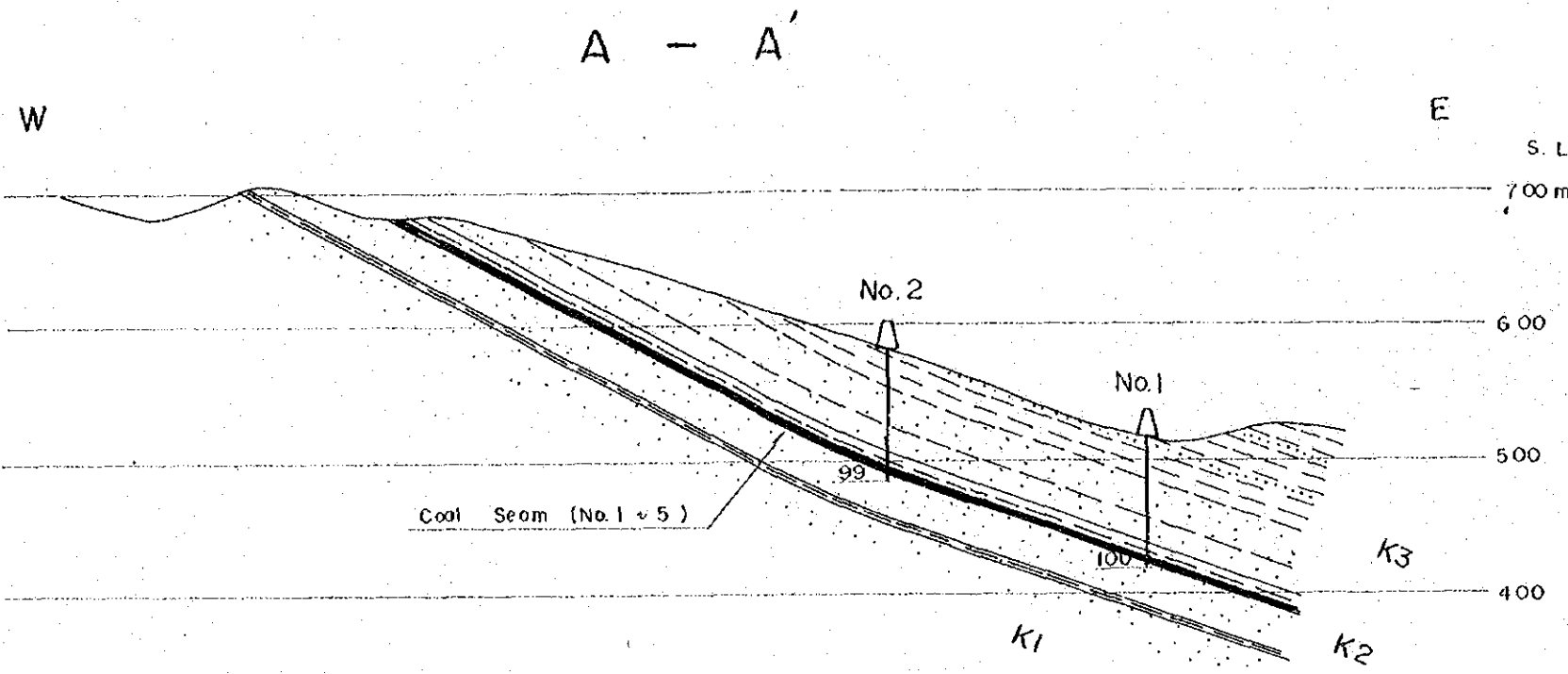


Fig No.5

REPUBLIC OF MALAWI
NGANA COAL FIELD

Geological Profile

S = 1:5000



WI

Geological Profile

S = 1:5000

A'

E

S.L.
700m

No. 2

No. 1

99

100

K3

K1

K2

600

500

400

B'

S.L.
700m

No. 6

No. 5

Ndamtakwa R.

96

86

600

500

400

D - D'

S.L.
700m

No. 8

No. 7

92

96

600

500

400

E - E'

S.L.
700m

No. 10

No. 9

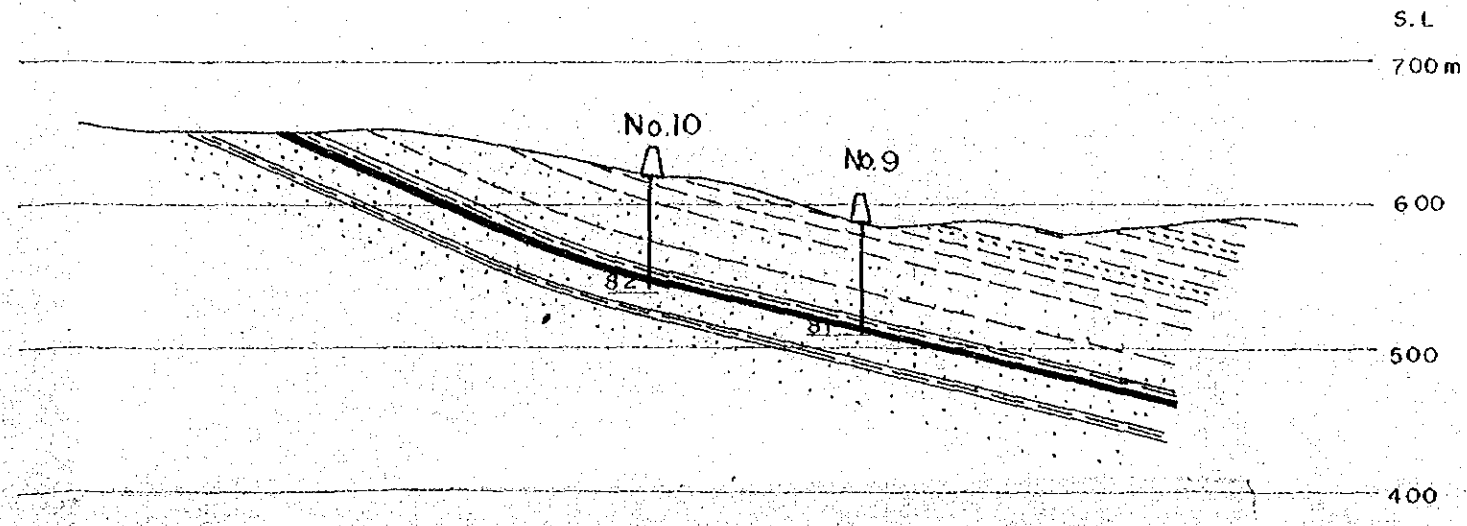
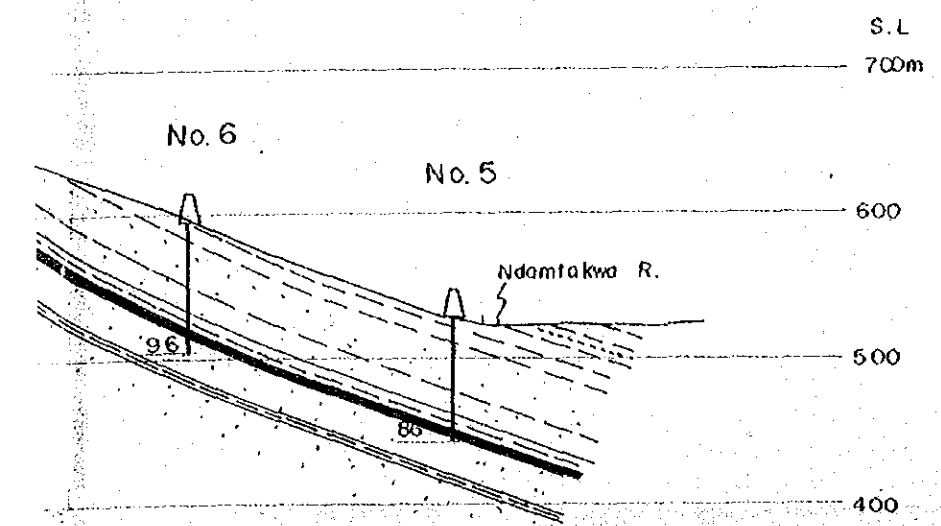
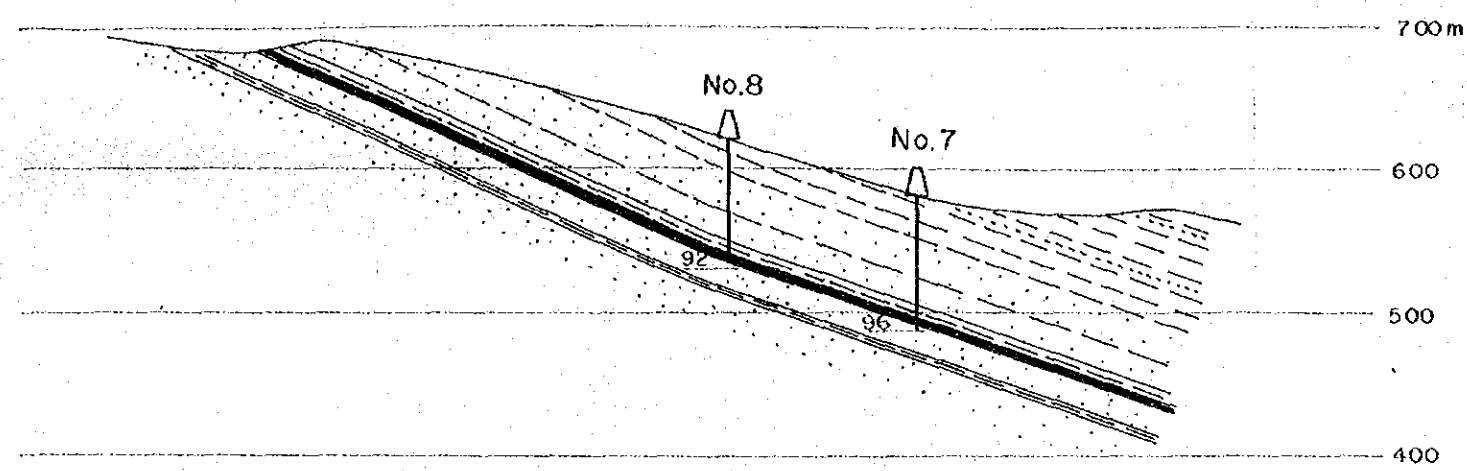
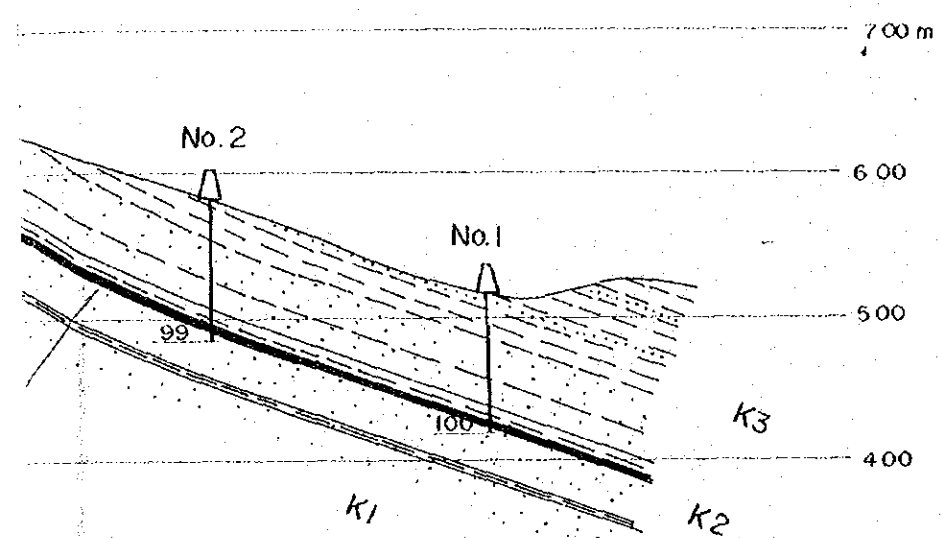
82

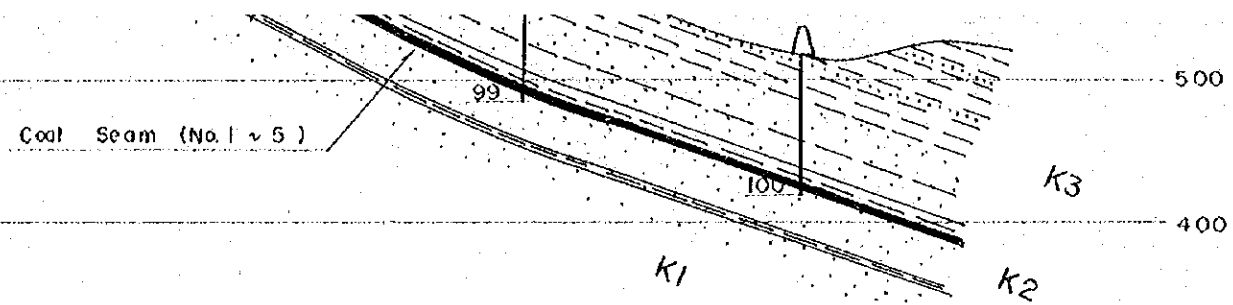
81

600

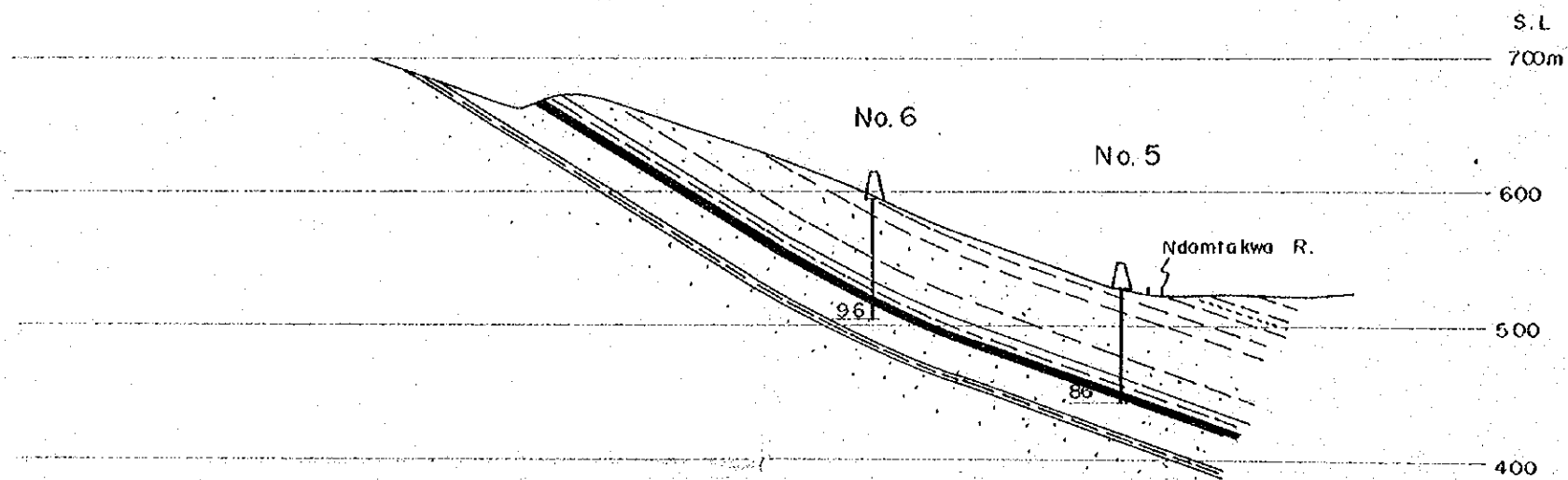
500

400

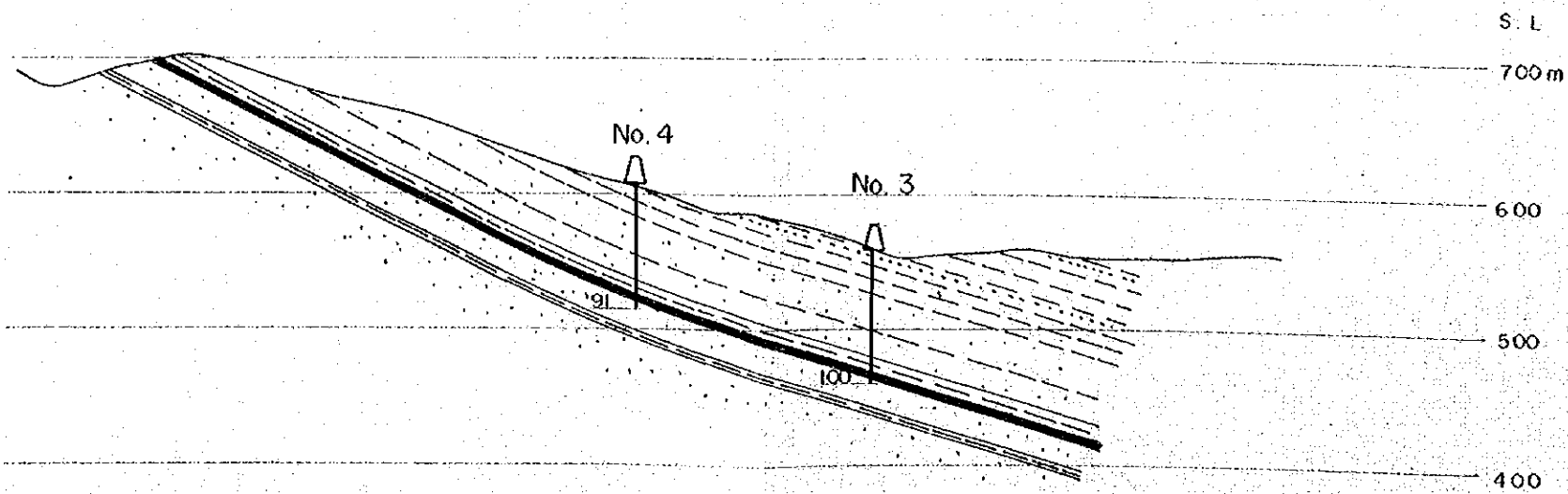




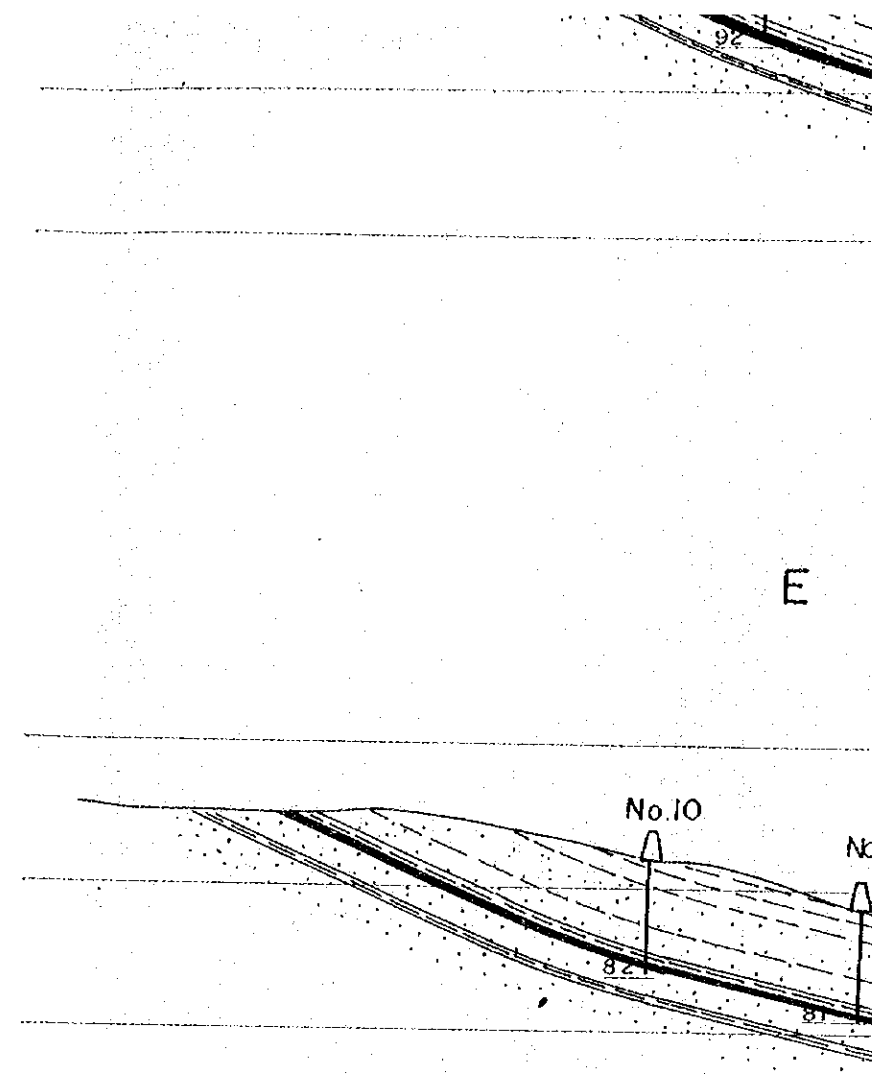
B - B'

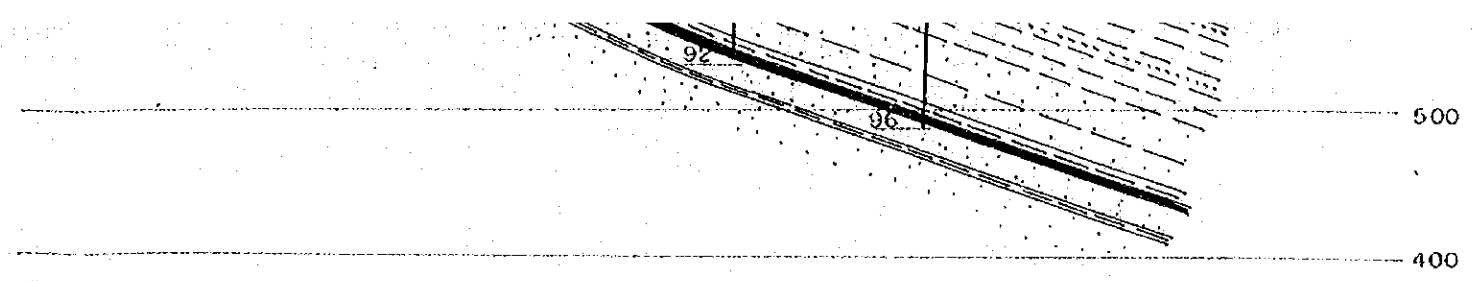
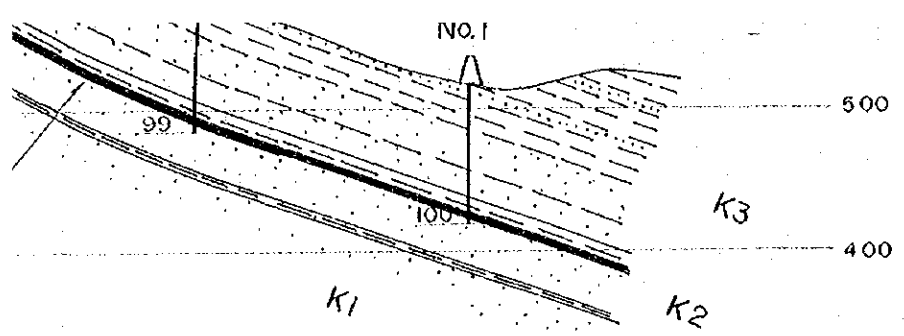


C - C'



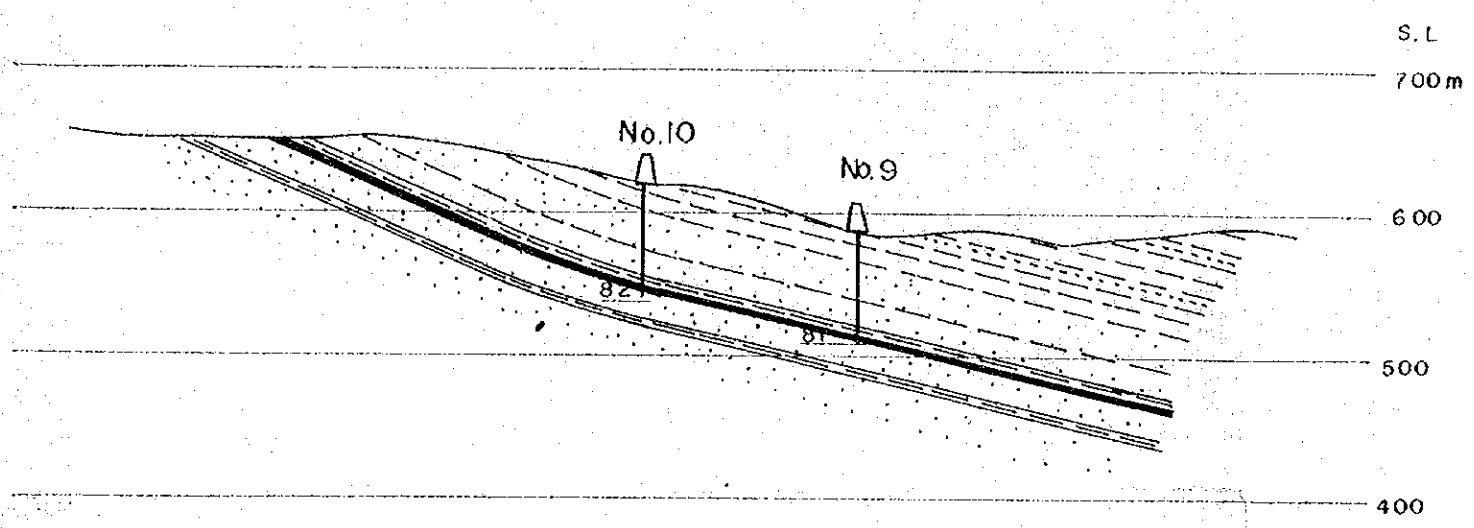
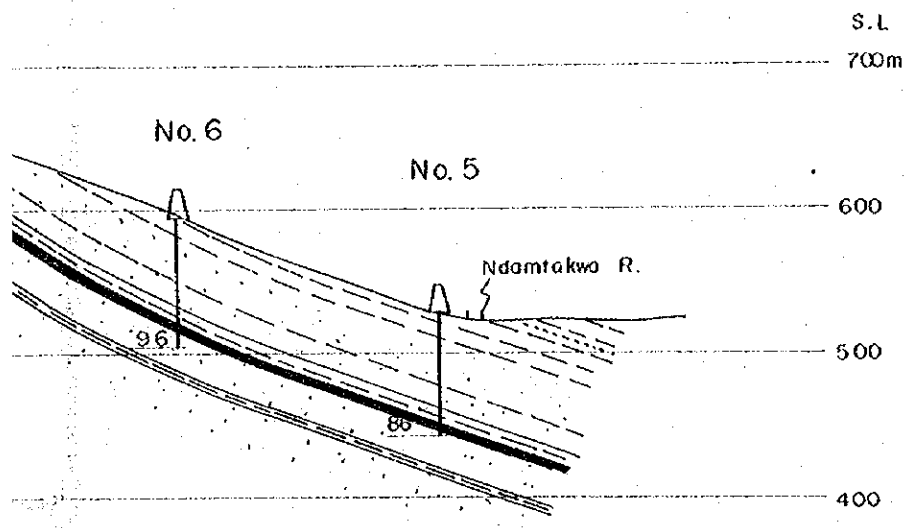
E





B'

E - E'



C'

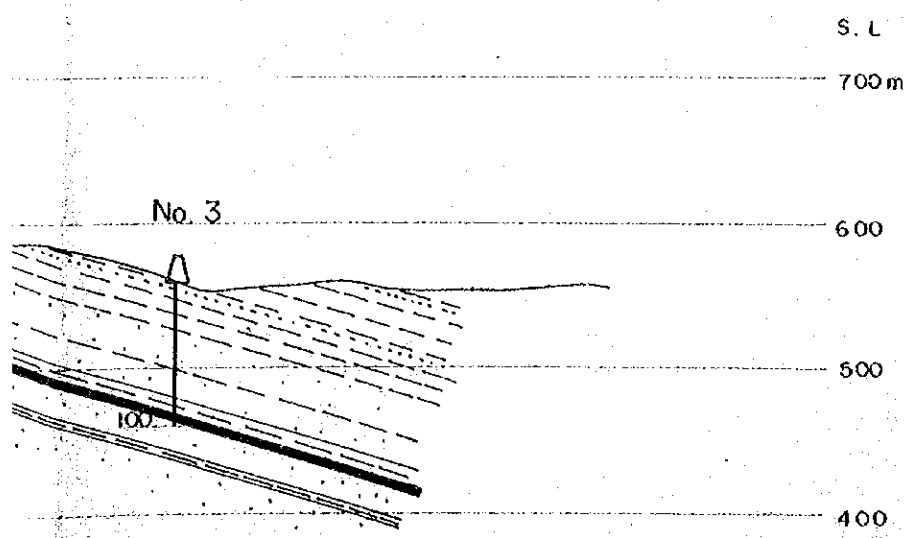
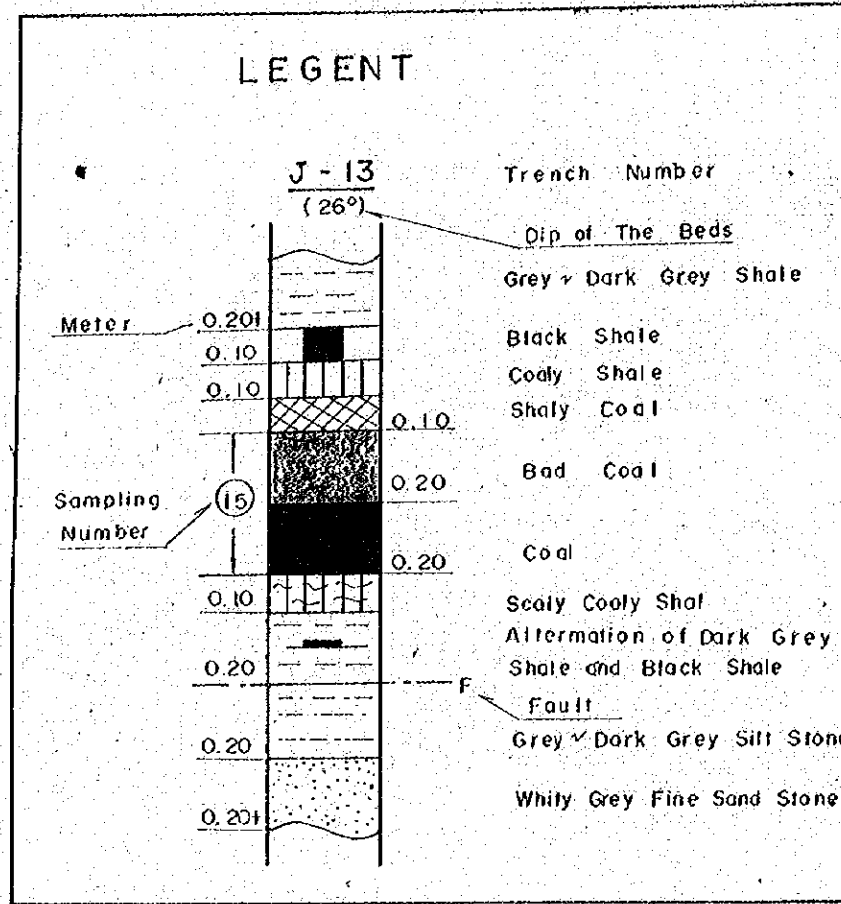
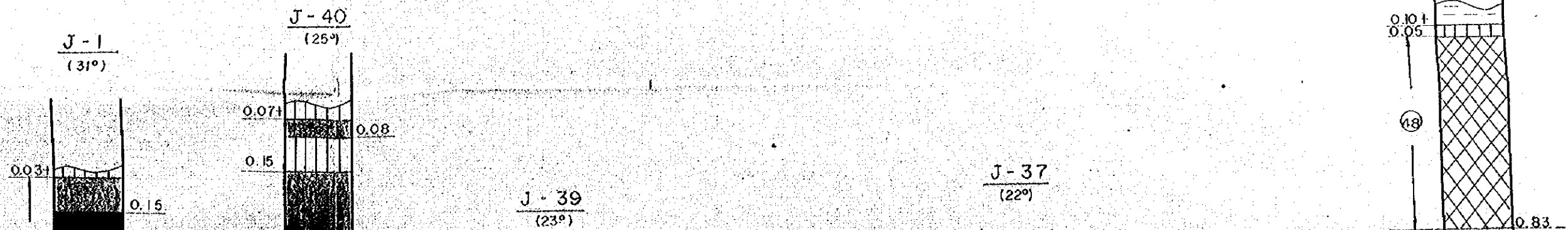


Fig No.6-1 (N)



Name of Coal Seam
NO. 6

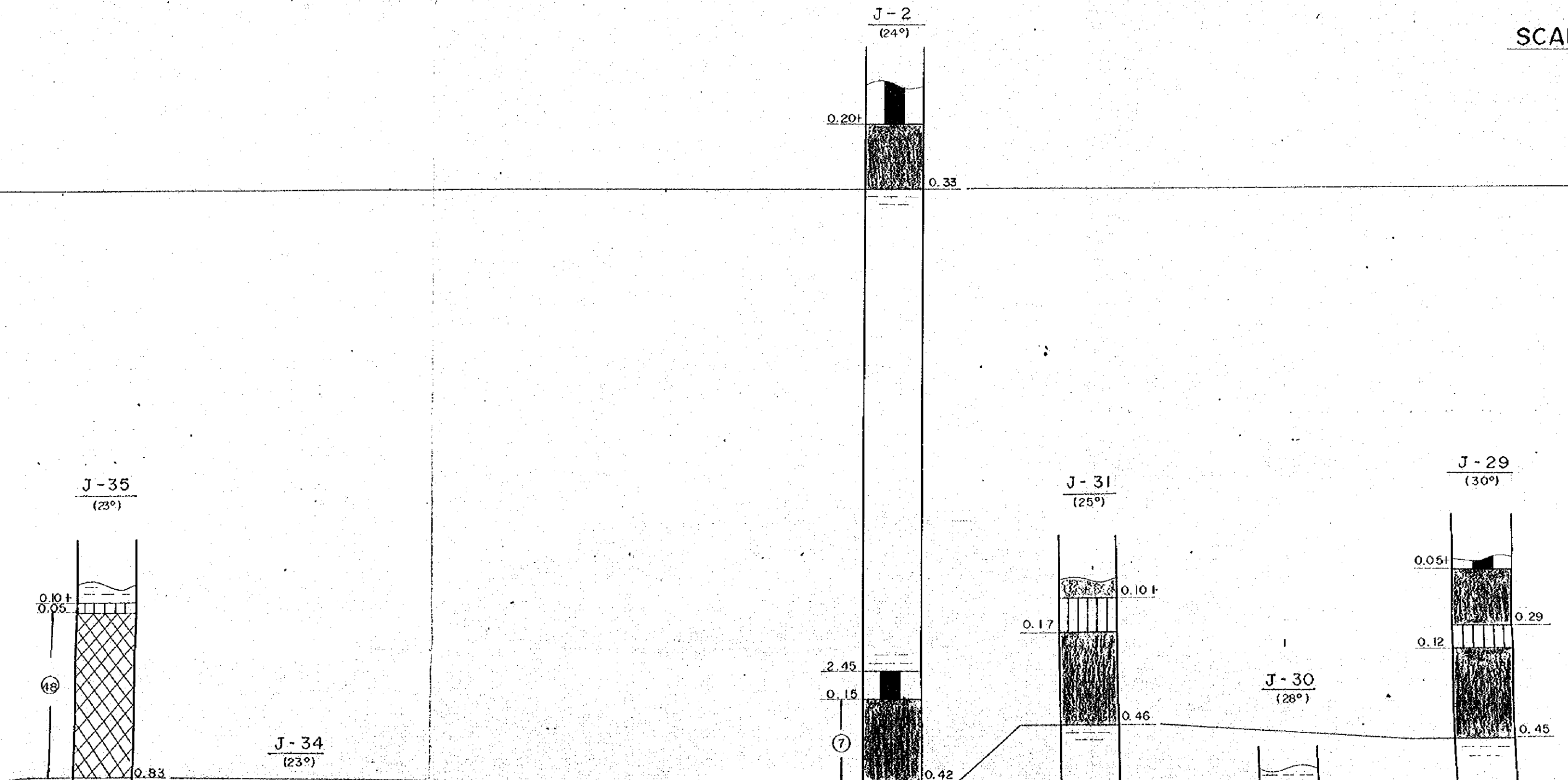


REPUBLIC OF MALAWI

NGANA COAL FIELD

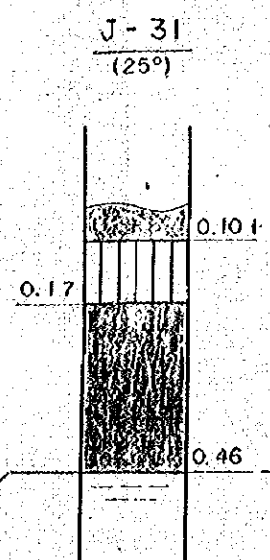
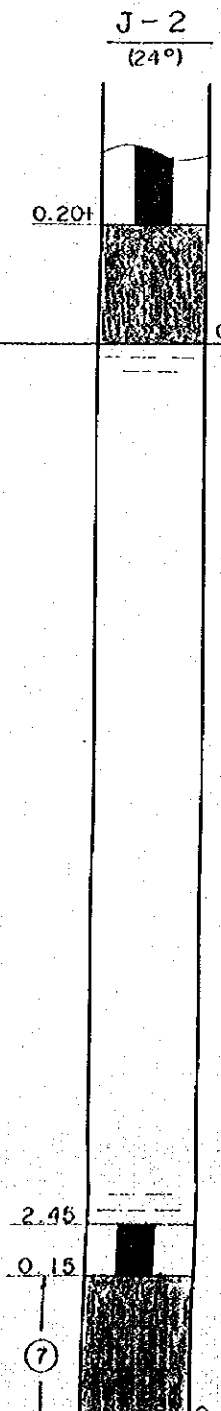
CORRELATION OF COAL SE.

SCALE

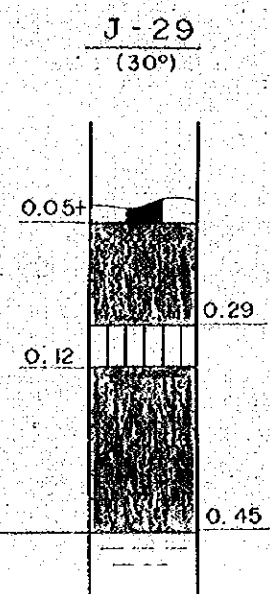


REPUBLIC OF MALAWI
NGANA COAL FIELD
CORRELATION OF COAL SEAM-(I)

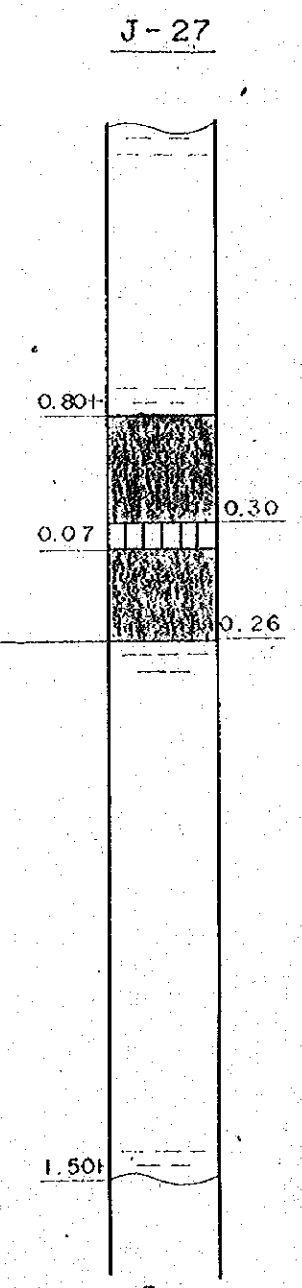
SCALE 1:20

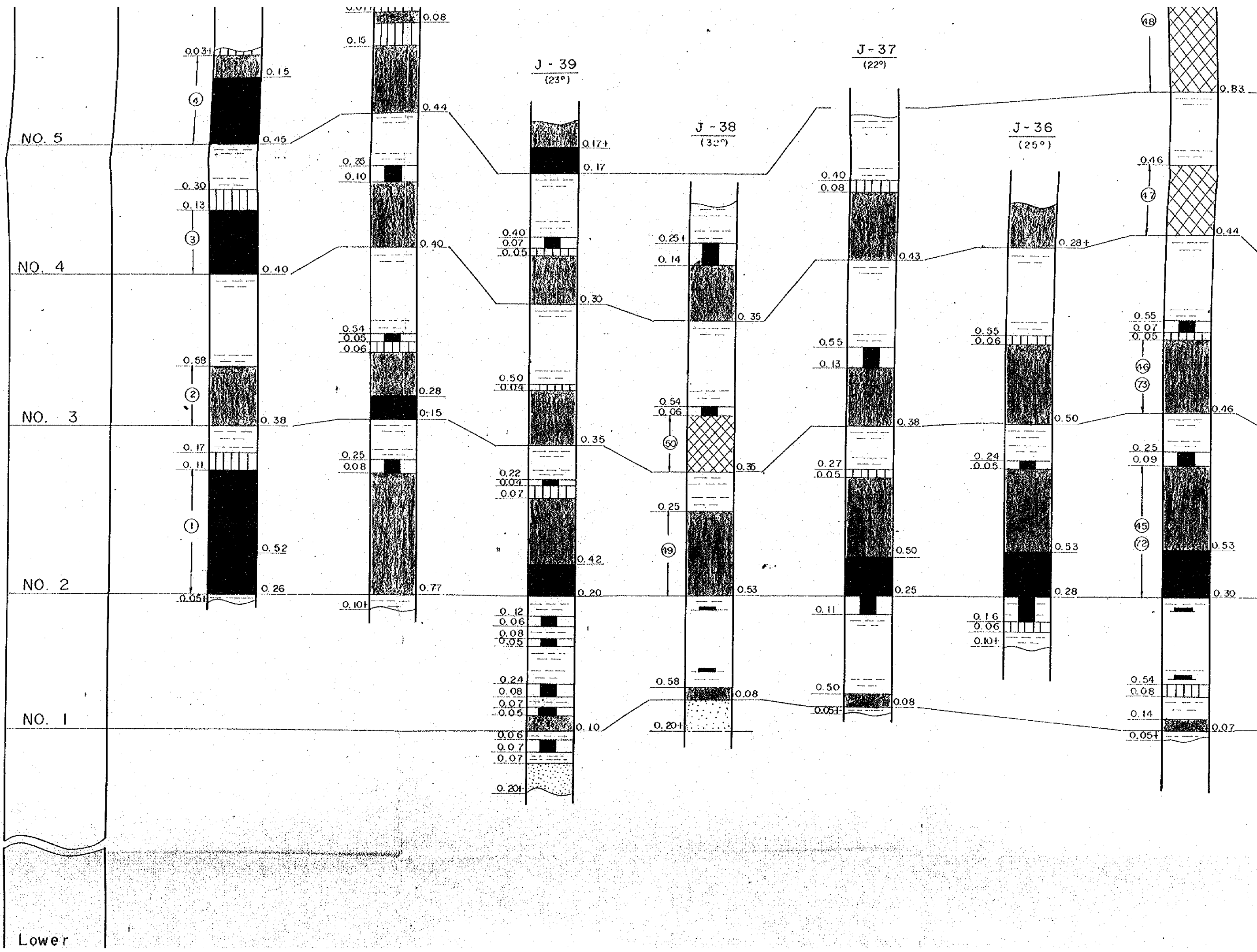


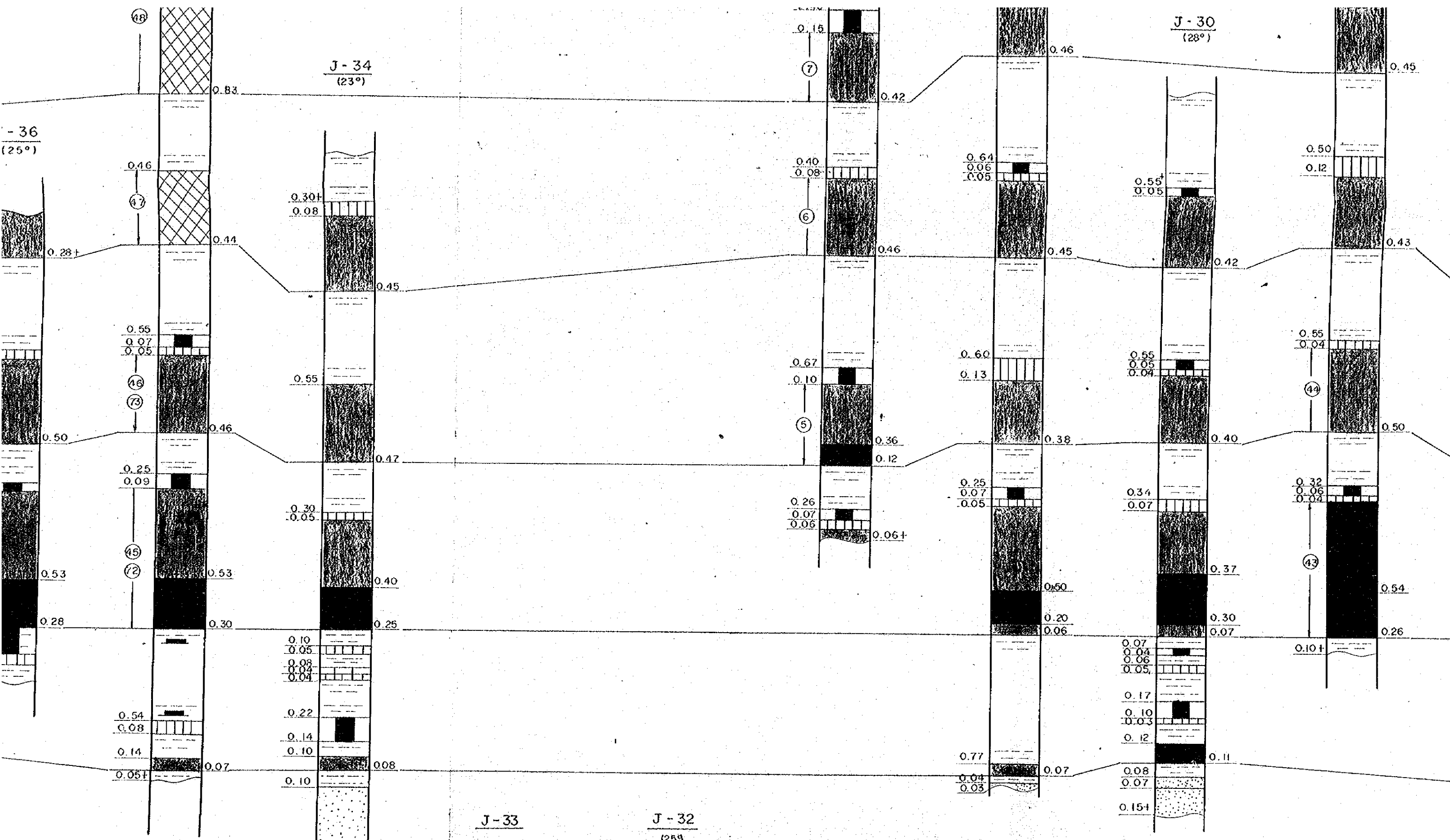
J-30
(28°)



J-26
(24°)







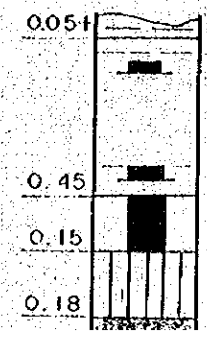
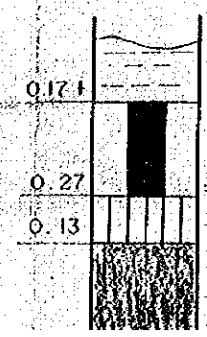
- 36
(25°)

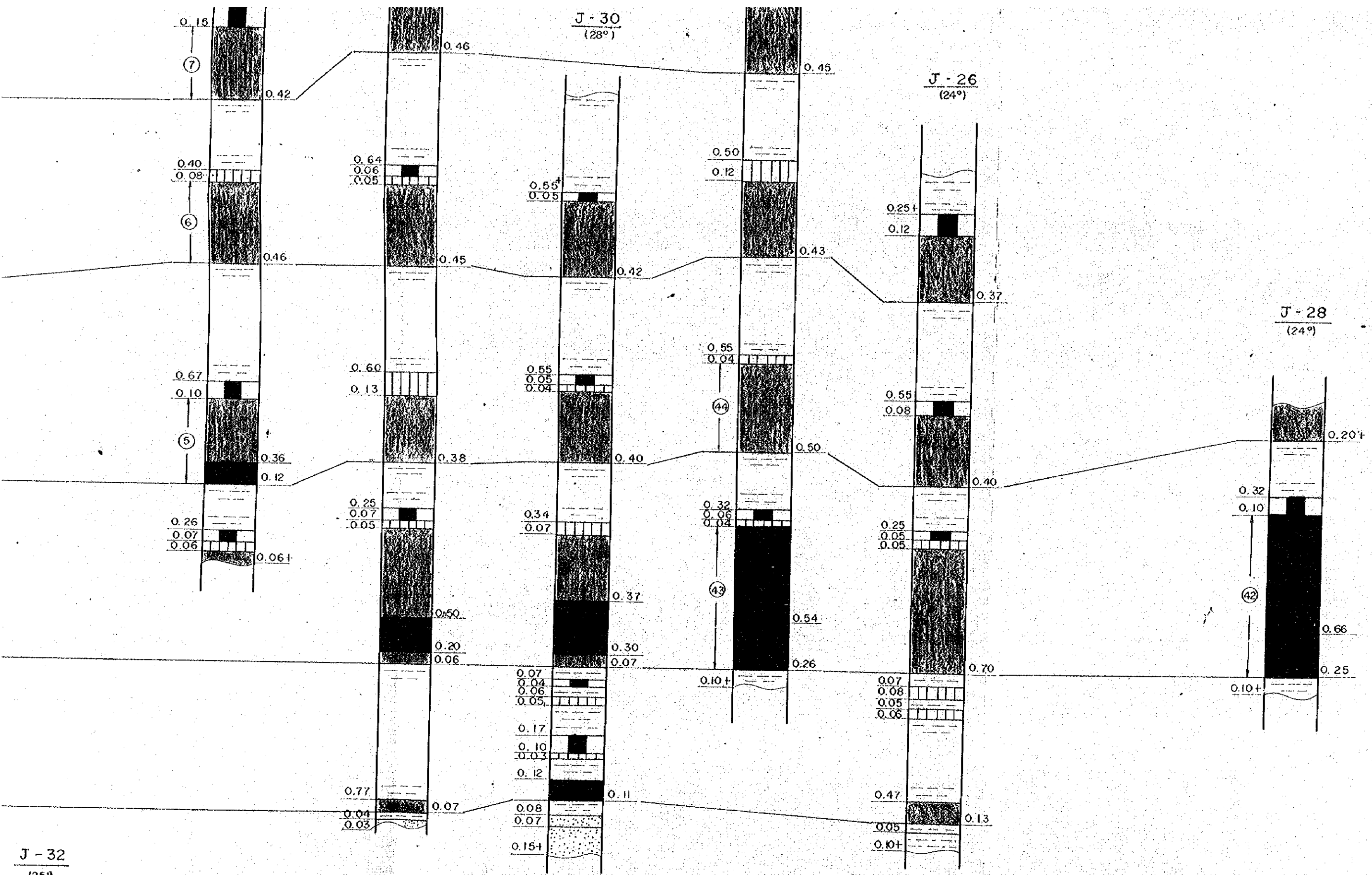
J-34
(23°)

J-30
(28°)

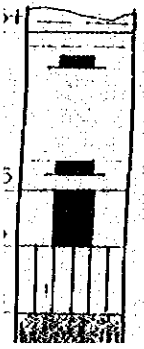
J-33

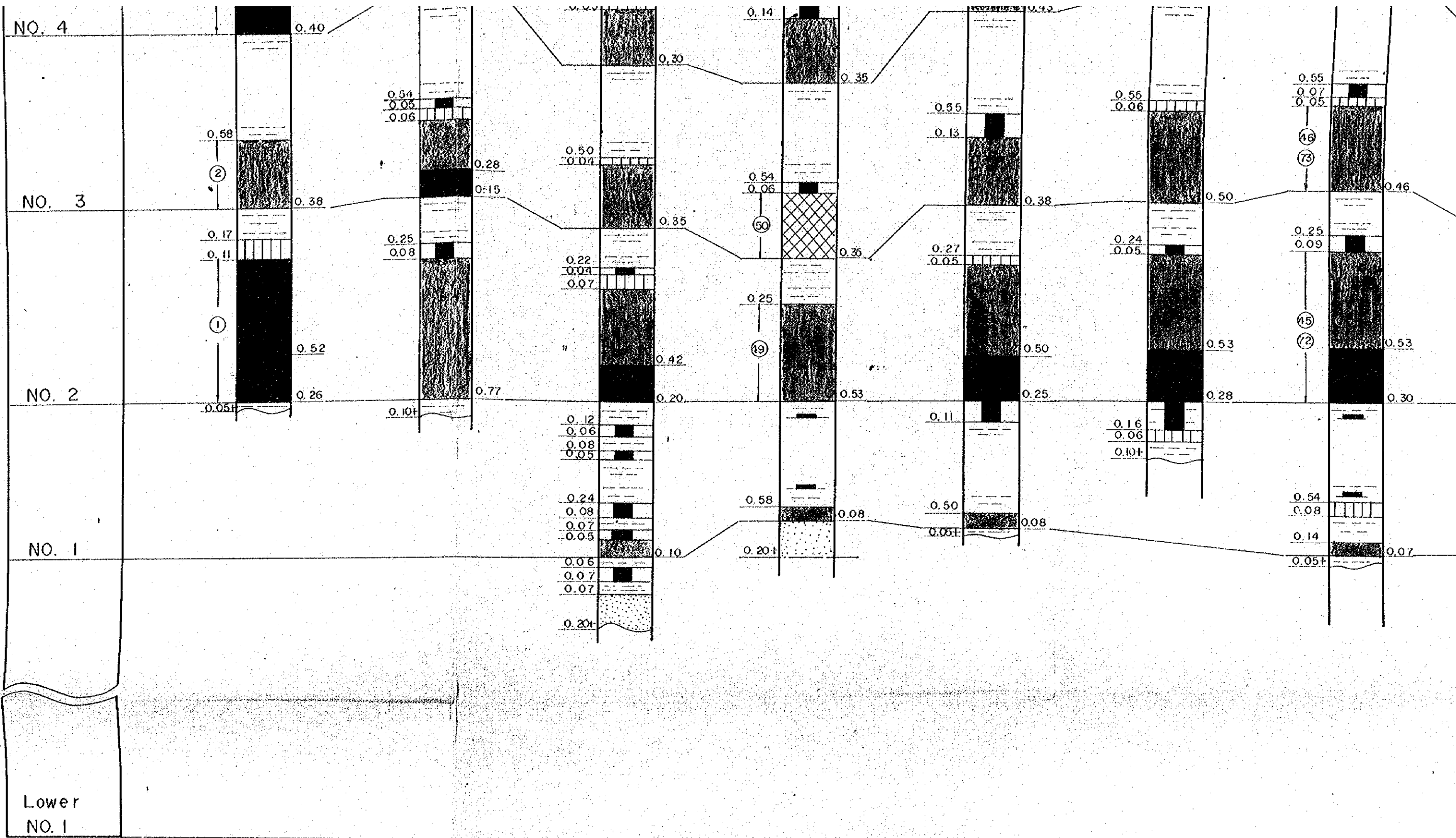
J-32
(25°)





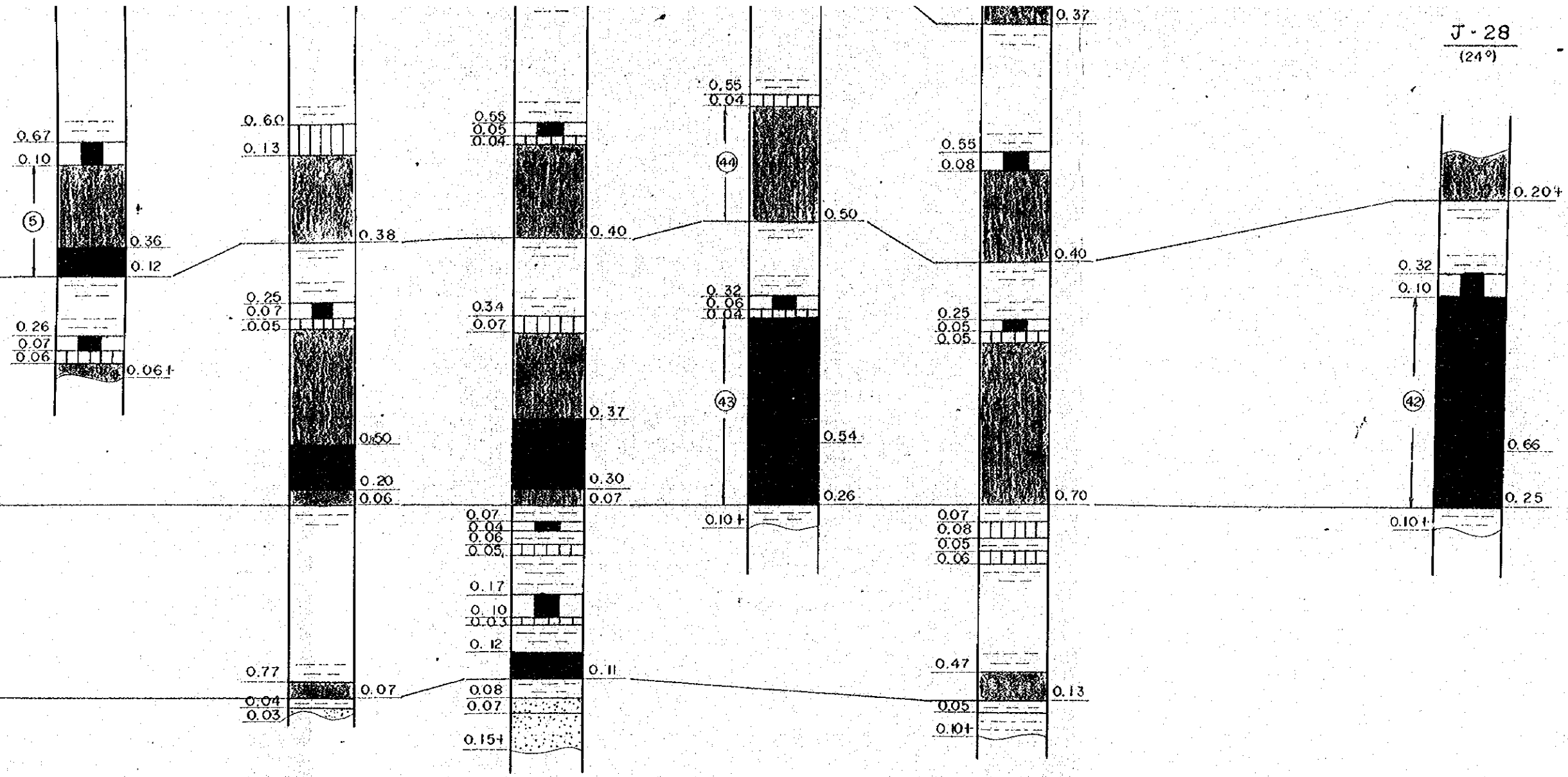
J-32
(25°)



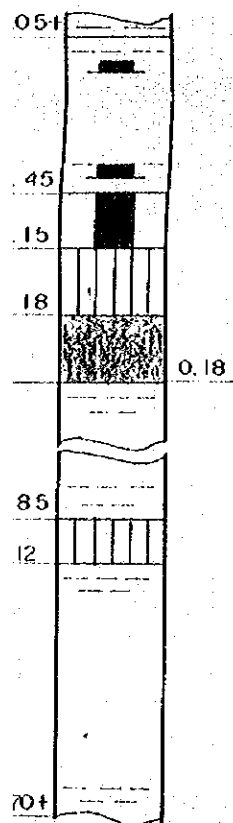


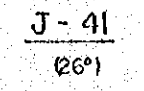
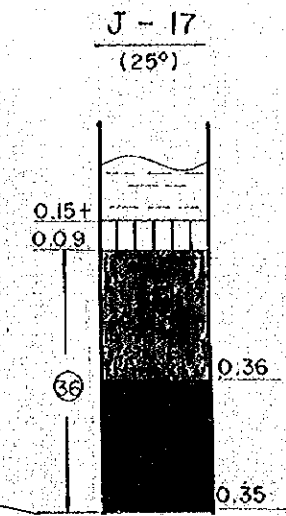
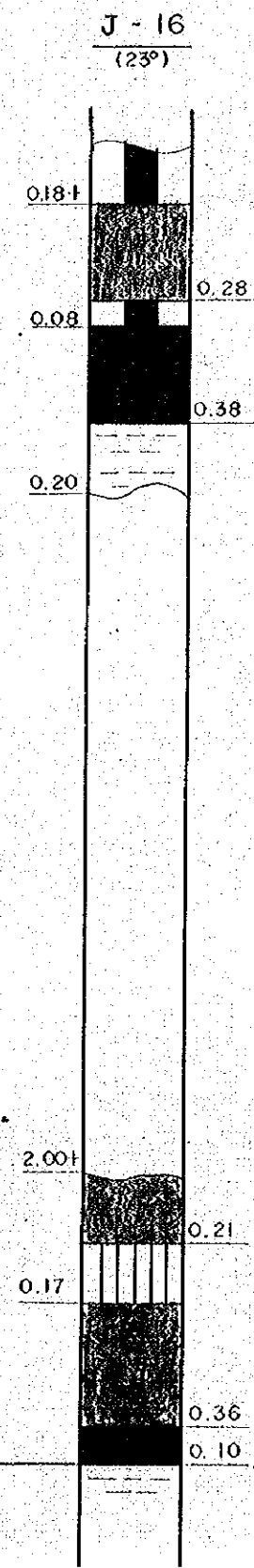
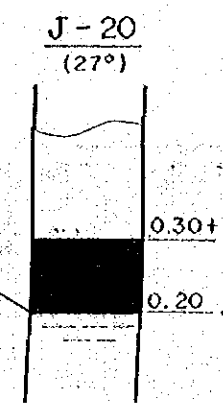
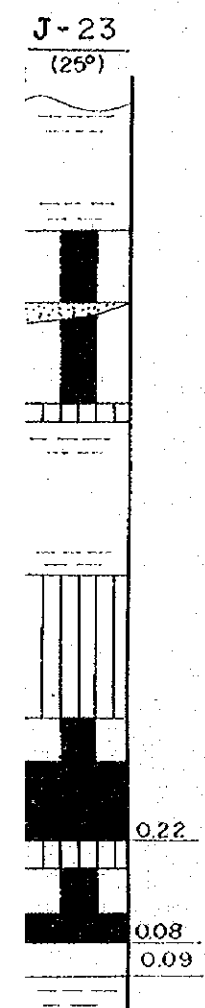
Lower
NO. 1

J-28
(249)



J-32
(259)





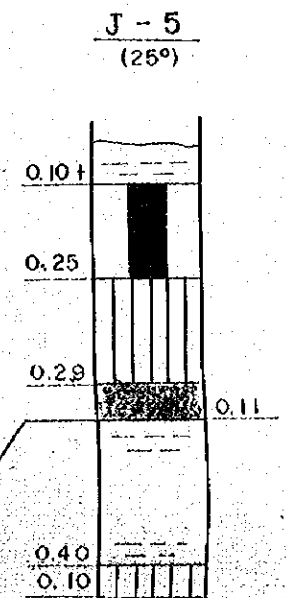
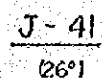
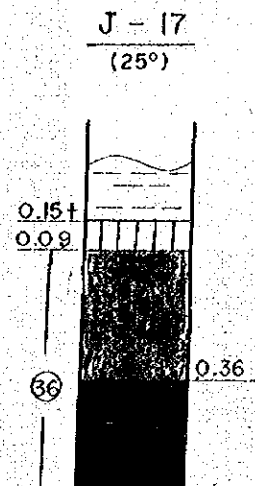
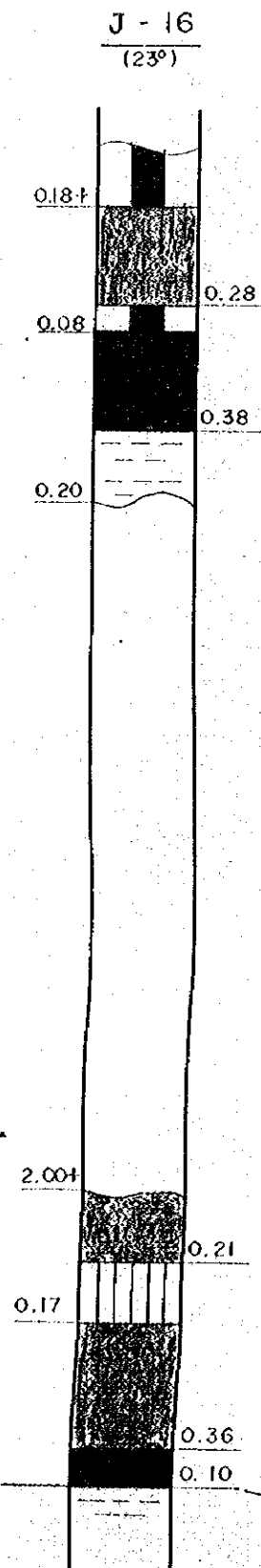
5

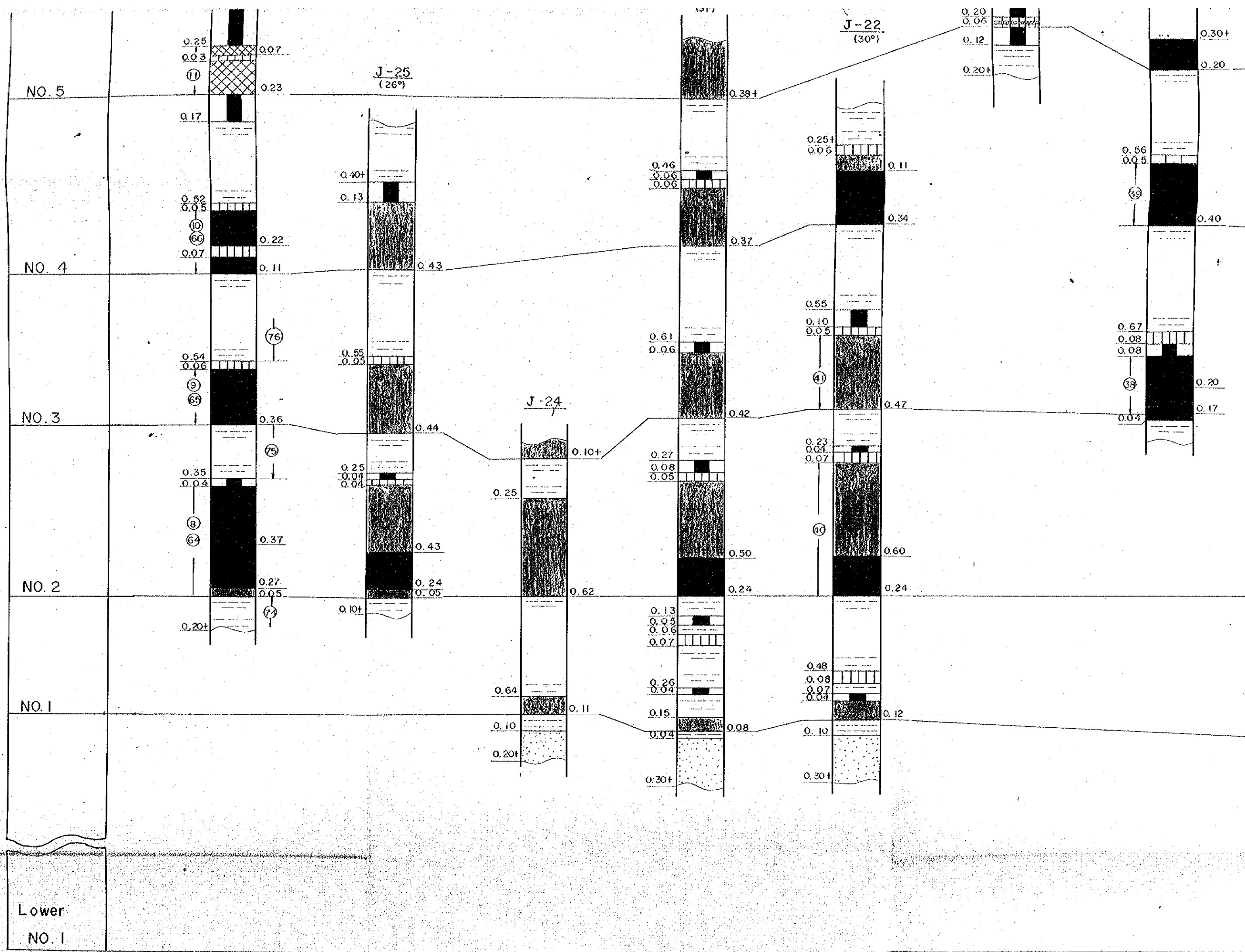
REPUBLIC OF MALAWI

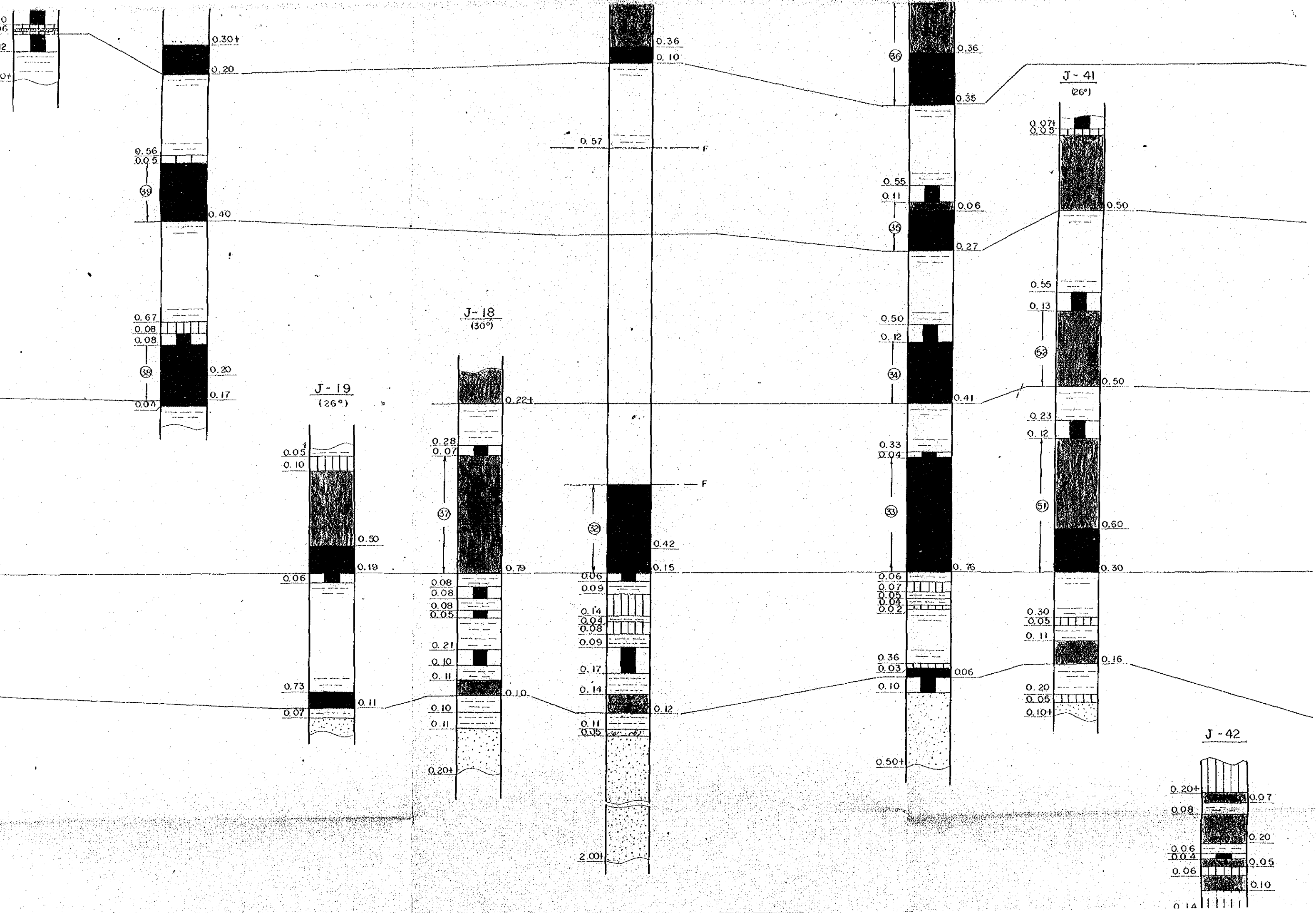
NGANA COAL FIELD

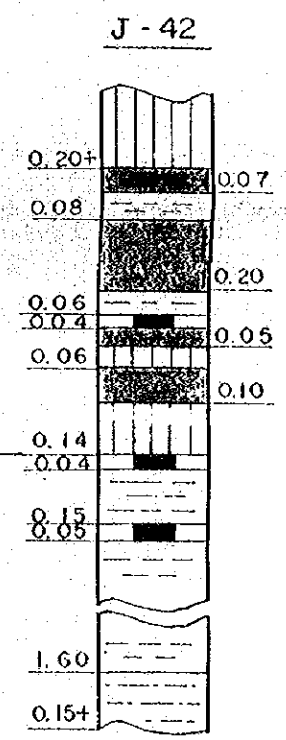
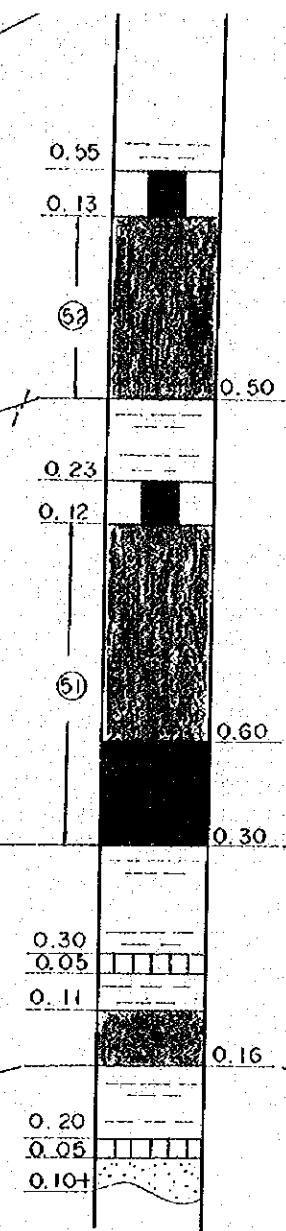
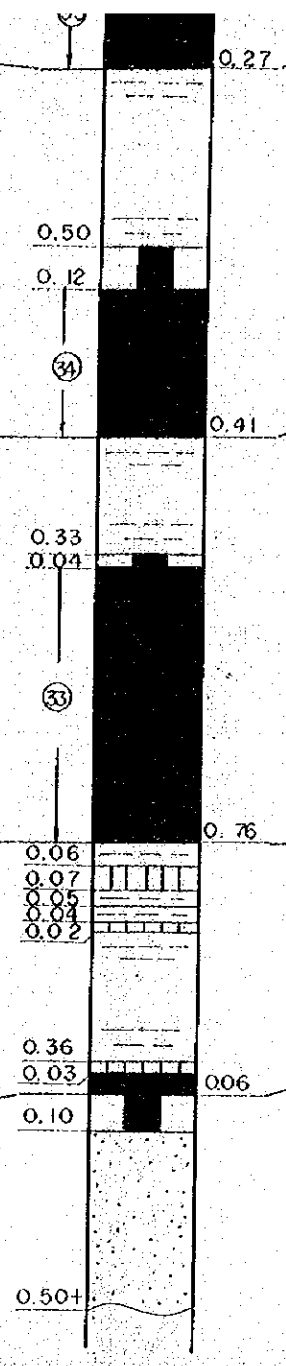
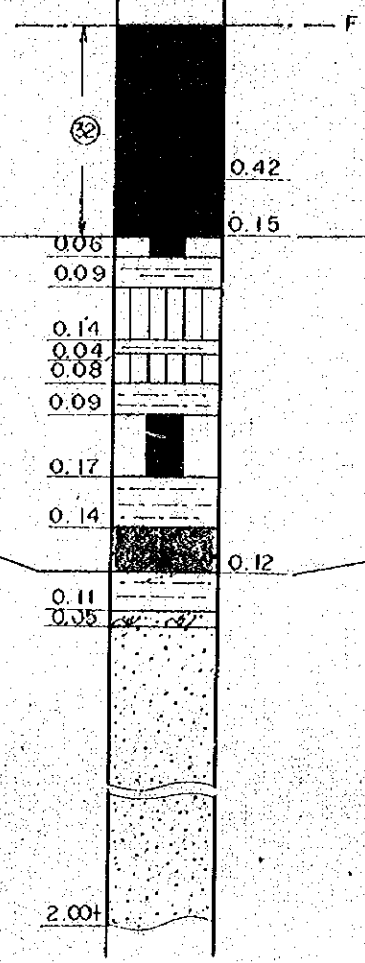
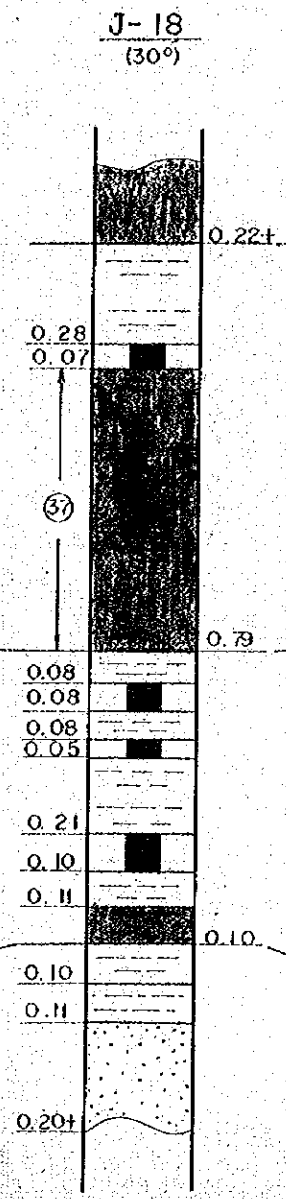
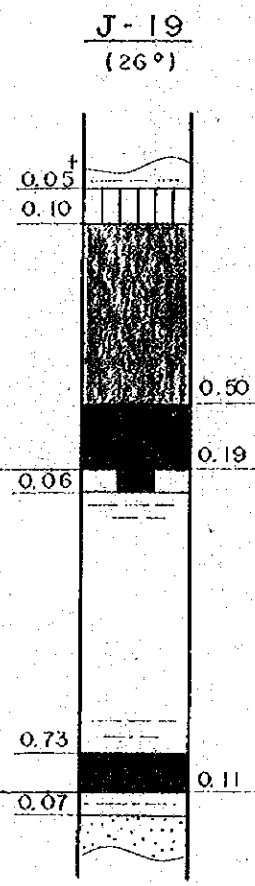
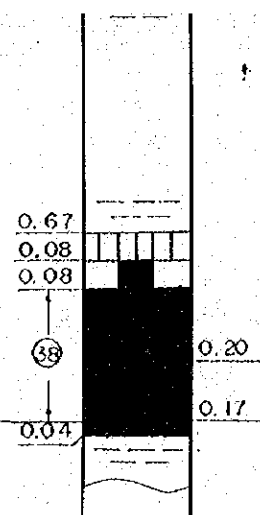
CORRELATION OF COAL SEAM-(2)

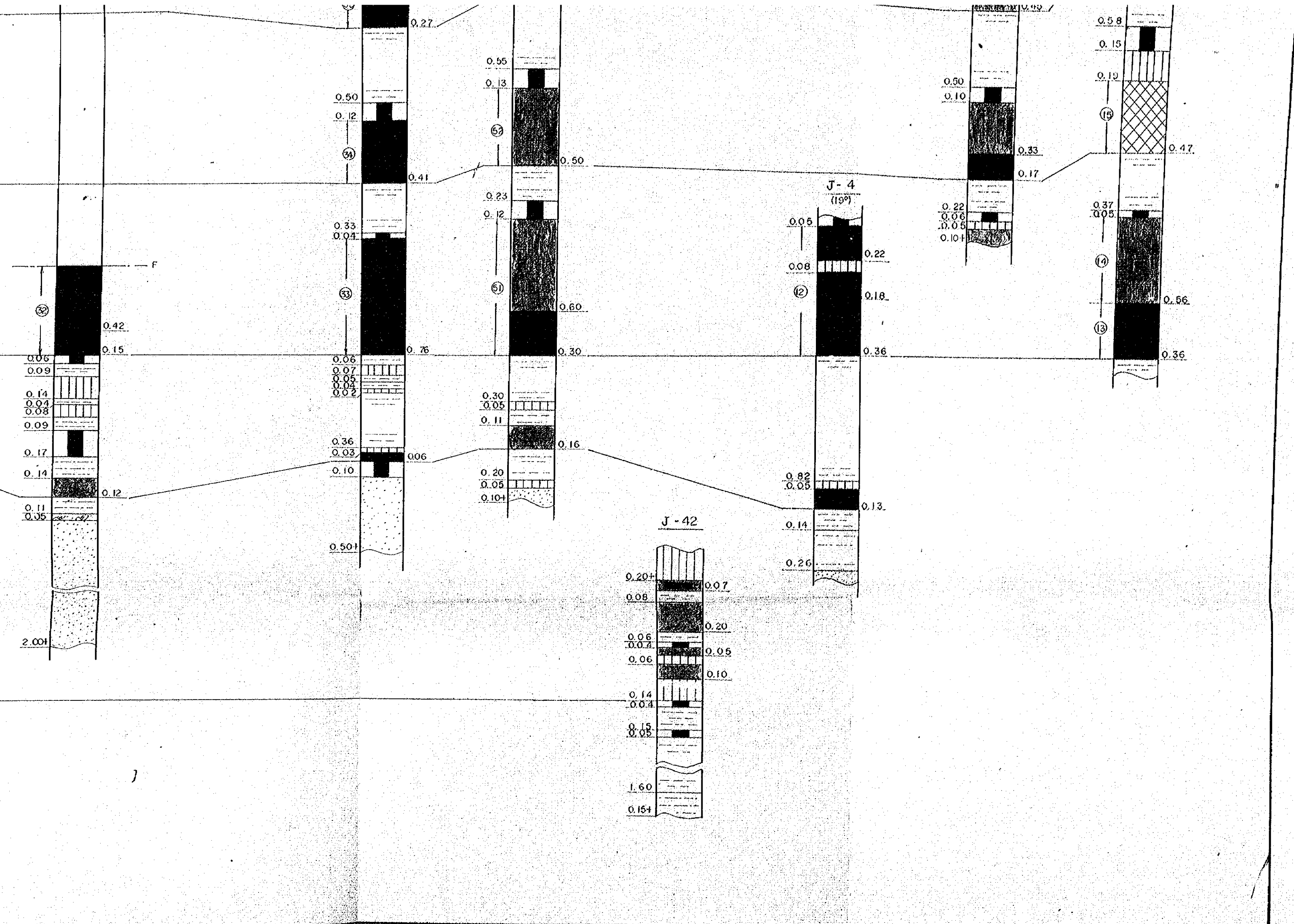
SCALE 1" 20'











32

34

33

52

51

J-4
(19°)

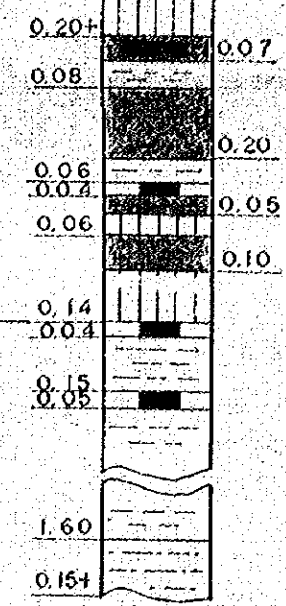
12

15

14

13

J-42



2.00+

7

Fig No.6-3

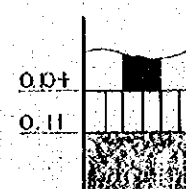
(N)

Name of Coal Seam
NO. 6

J-44
(24°)



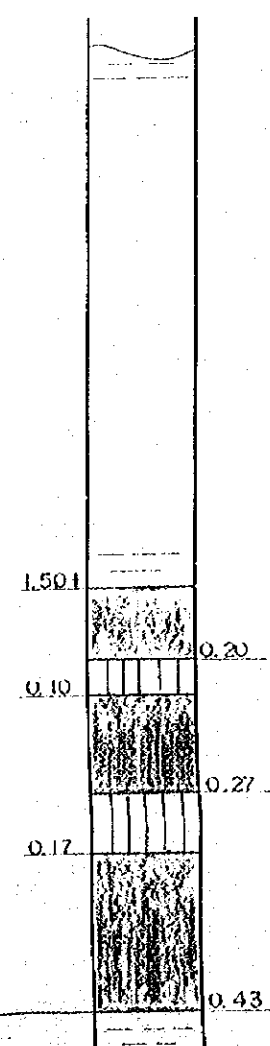
J-47
(27°)



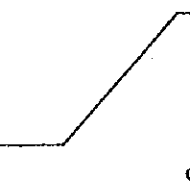
J-48
(25°)

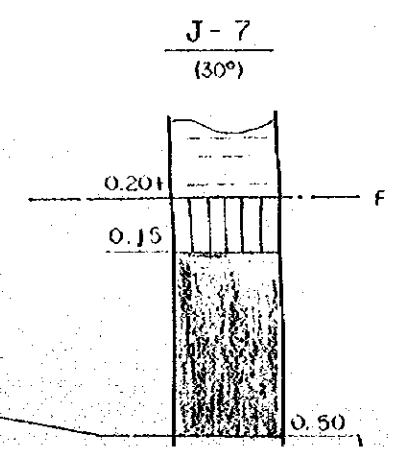
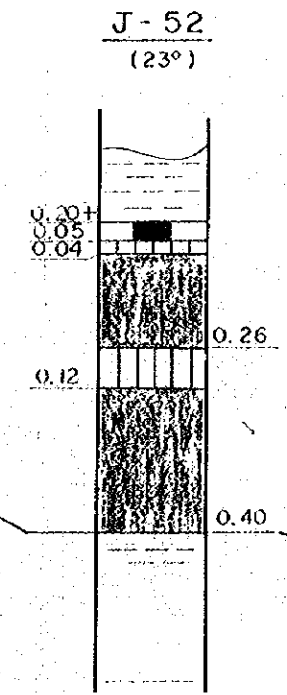
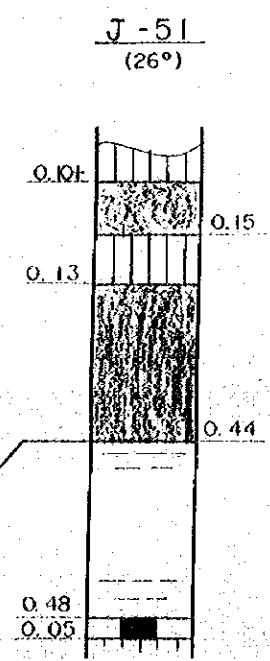
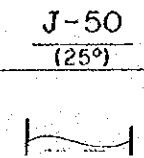
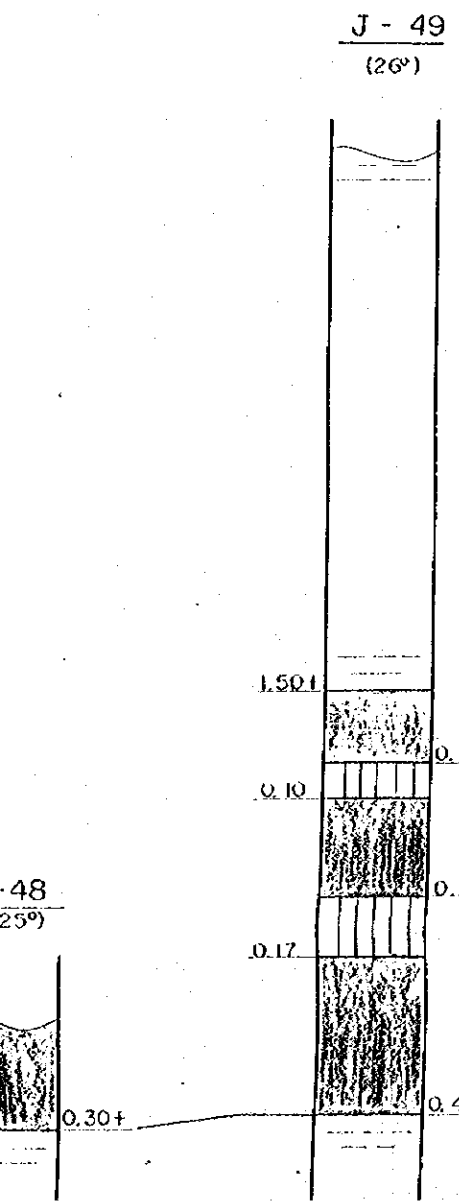


J-49
(26°)



J-50
(25°)





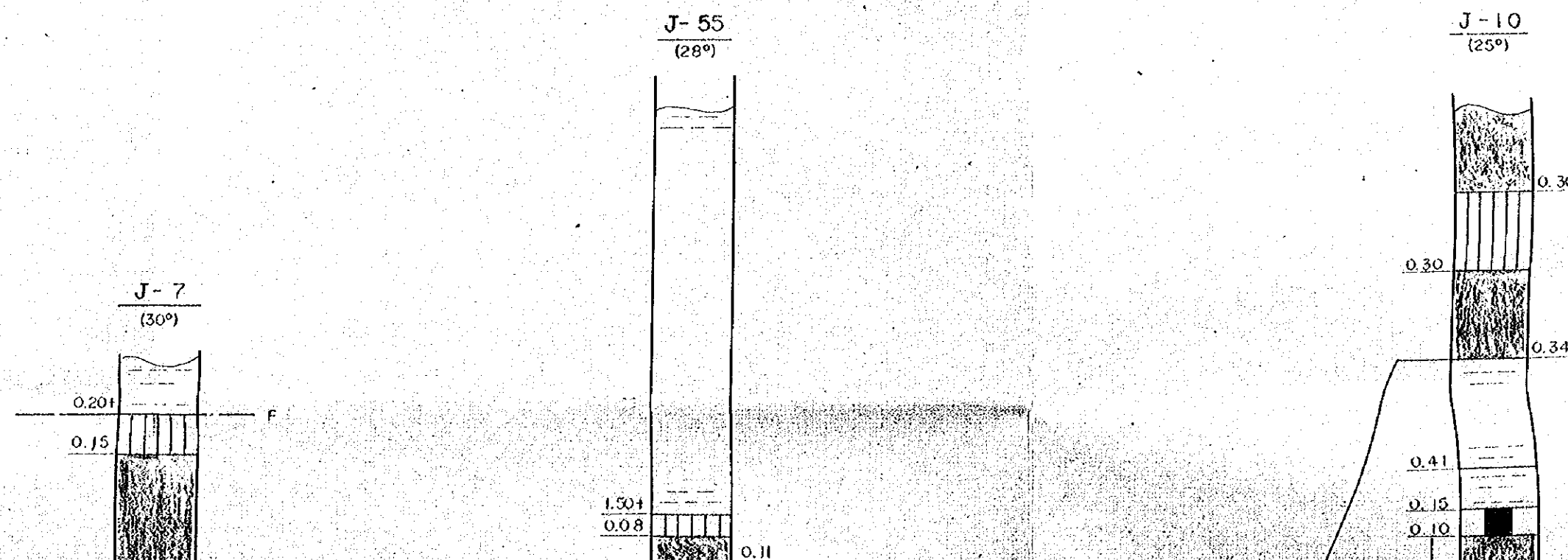
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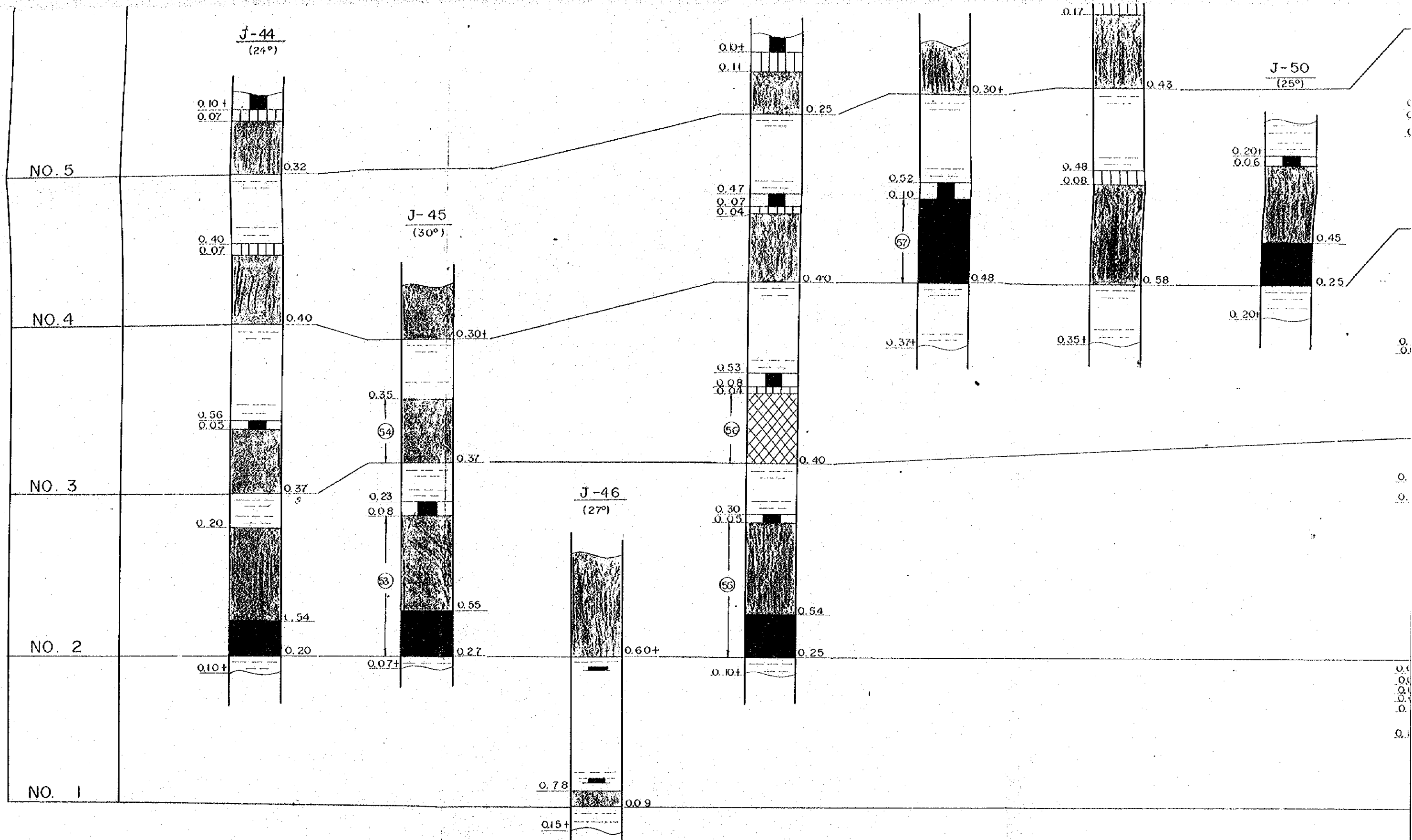
REPUBLIC OF MALAWI

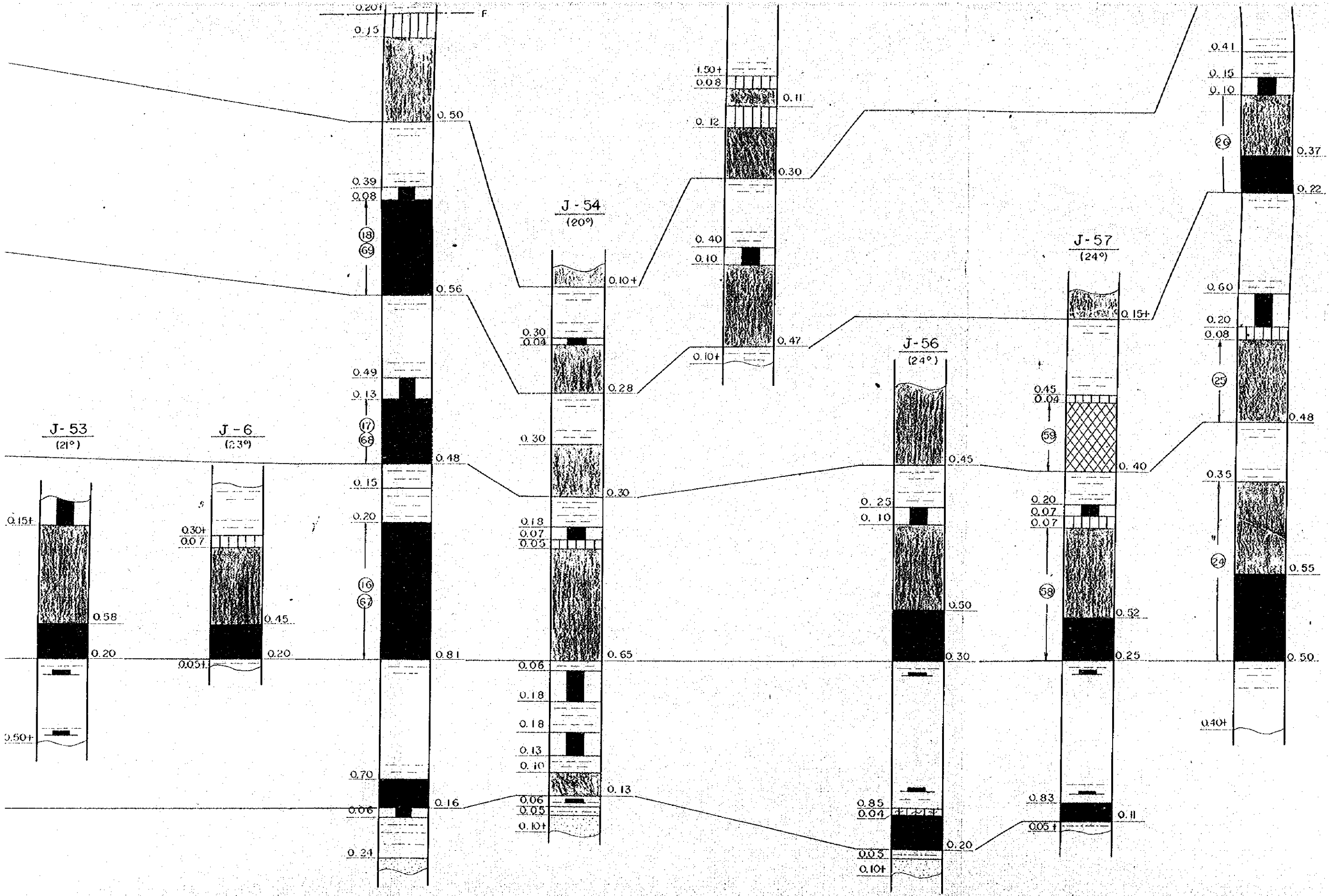
NGANA COAL FIELD

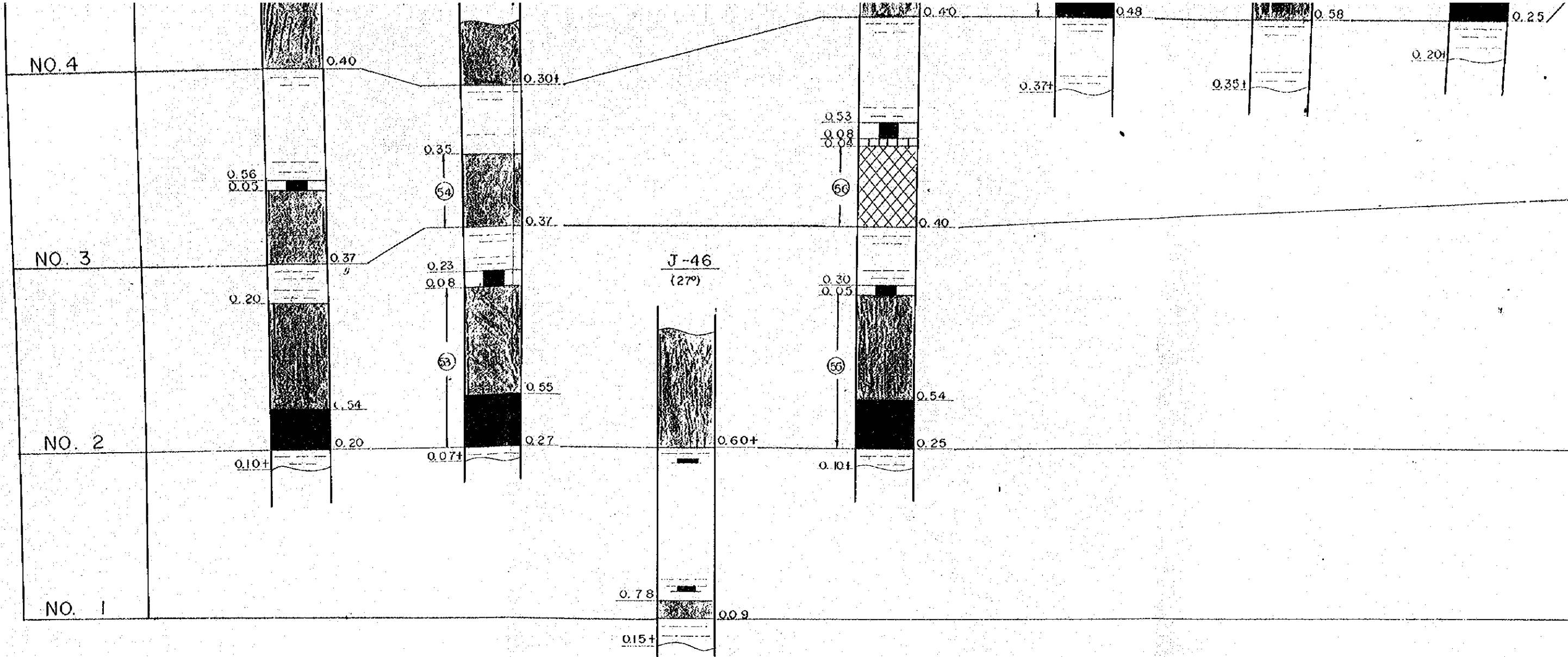
CORRELATION OF COAL SEAM-(3)

SCALE 1:20









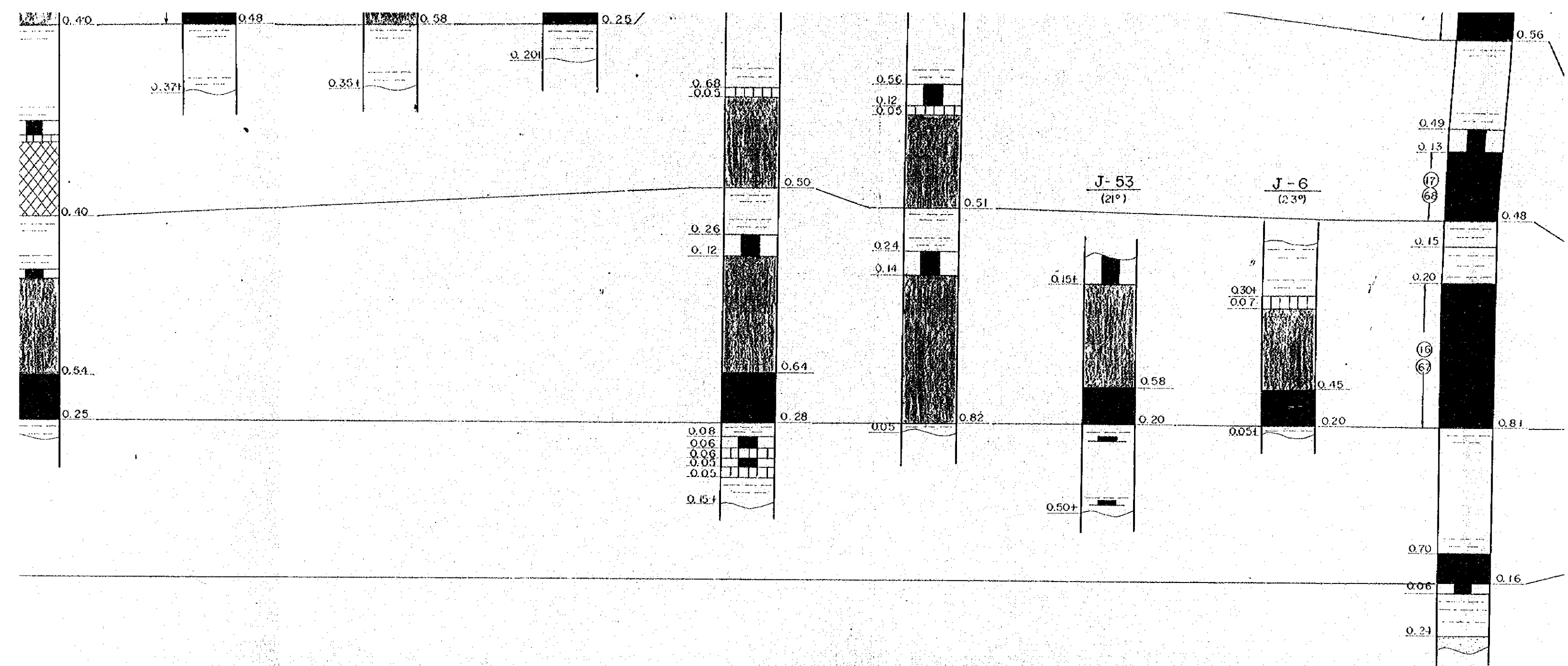


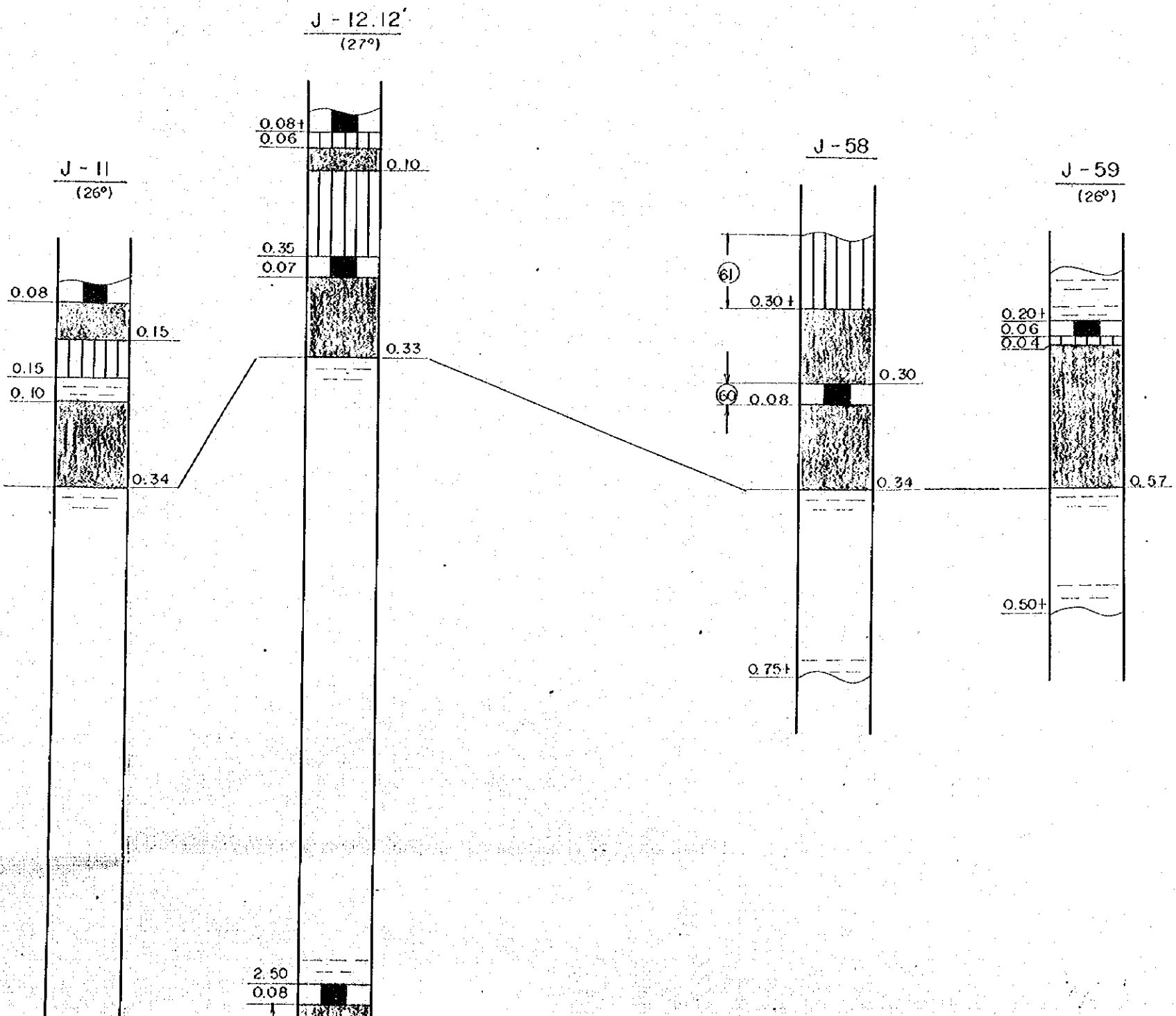
Fig No.6-4

(N)

Name of
Coal Seam

NO. 7

NO. 6

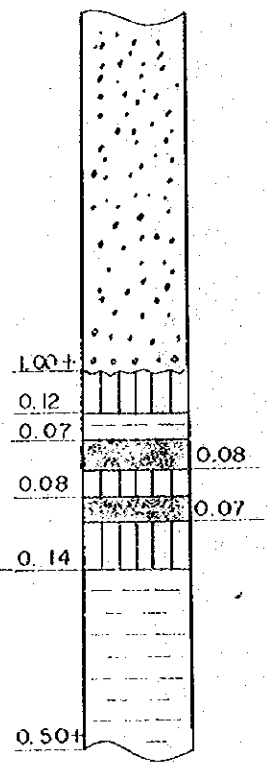


PEP

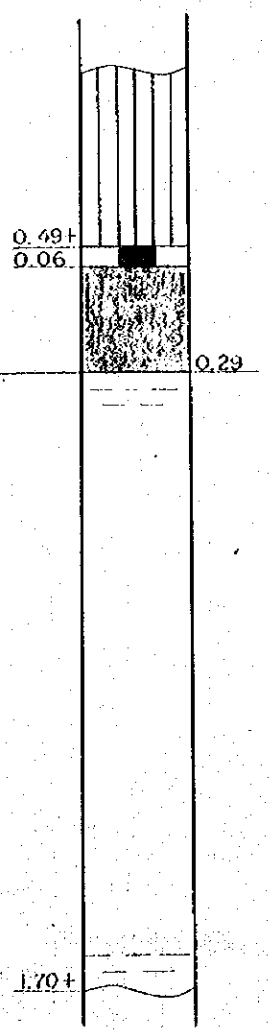
NG

COI

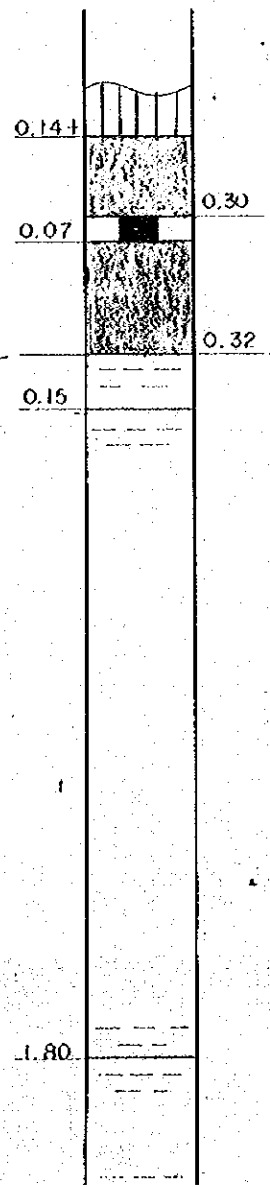
J-62
(25°, 37°)



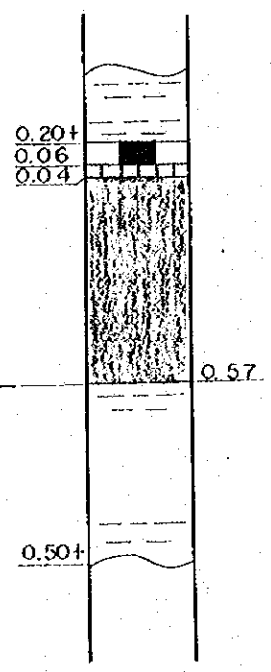
J-63
(20°)



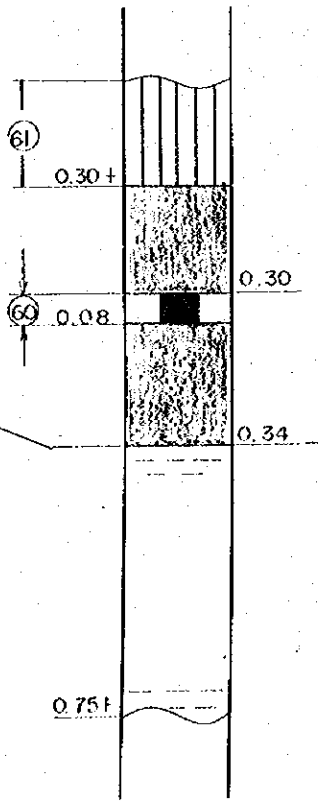
J-8
(21°)



J-59
(26°)



J-58



0.10+

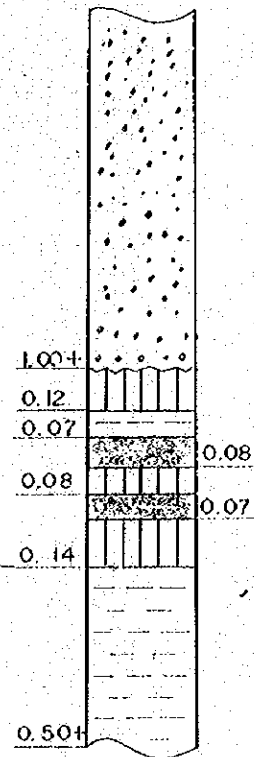
REPUBLIC OF MALAWI

NGANA COAL FIELD

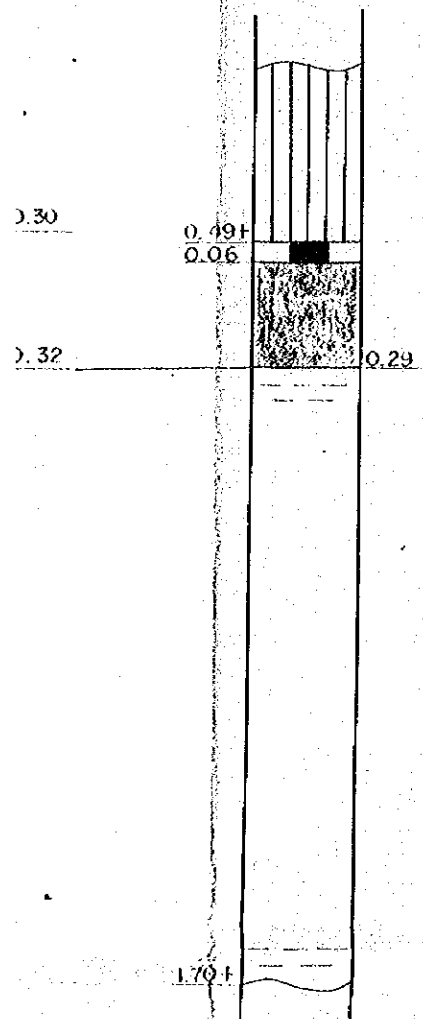
CORRELATION OF COAL SEAM-(4)

SCALE 1:20

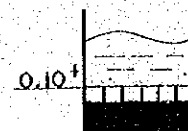
J-62
(25°, 37°)

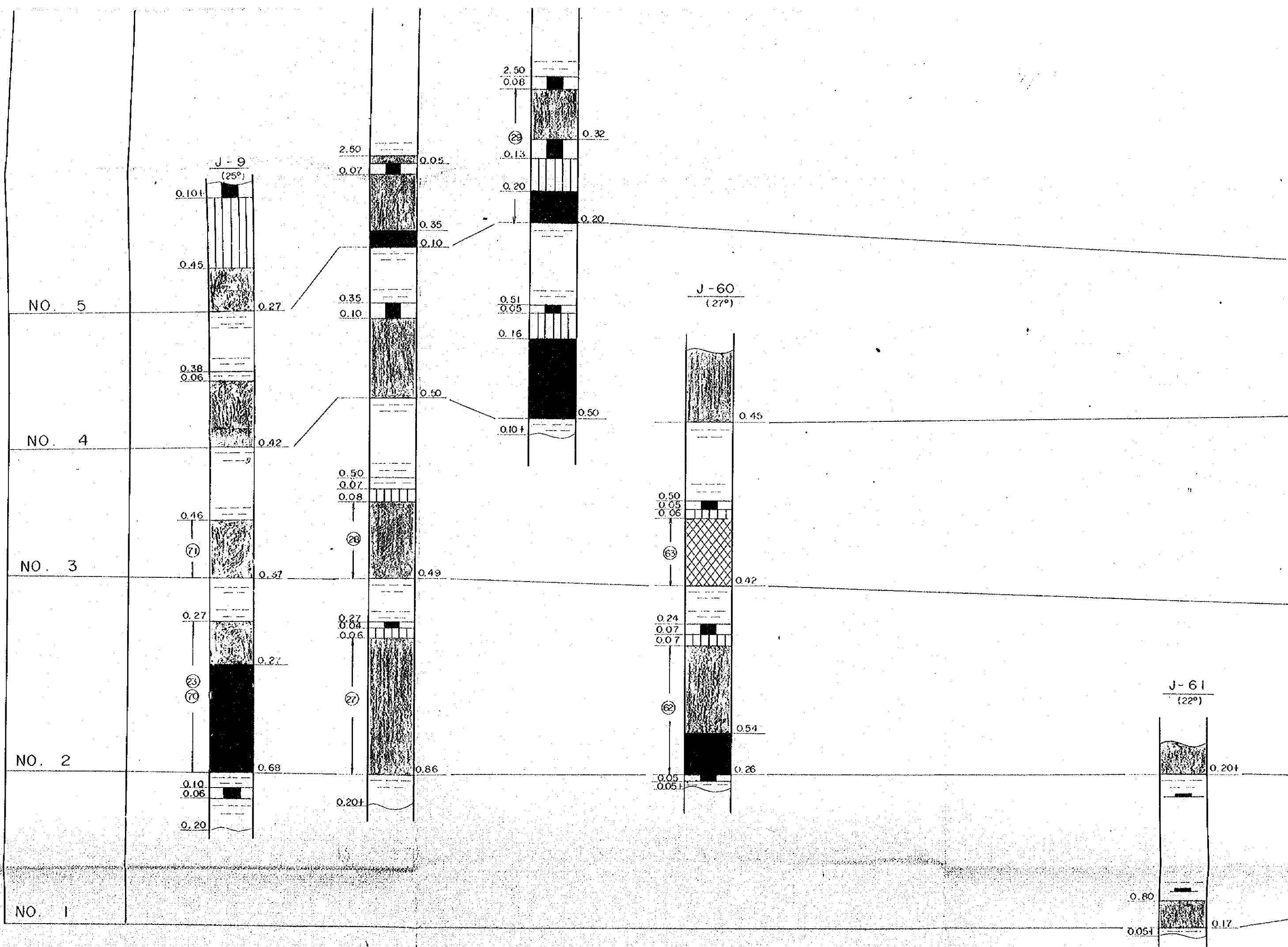


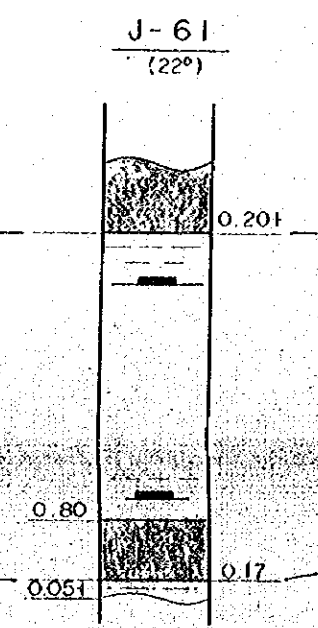
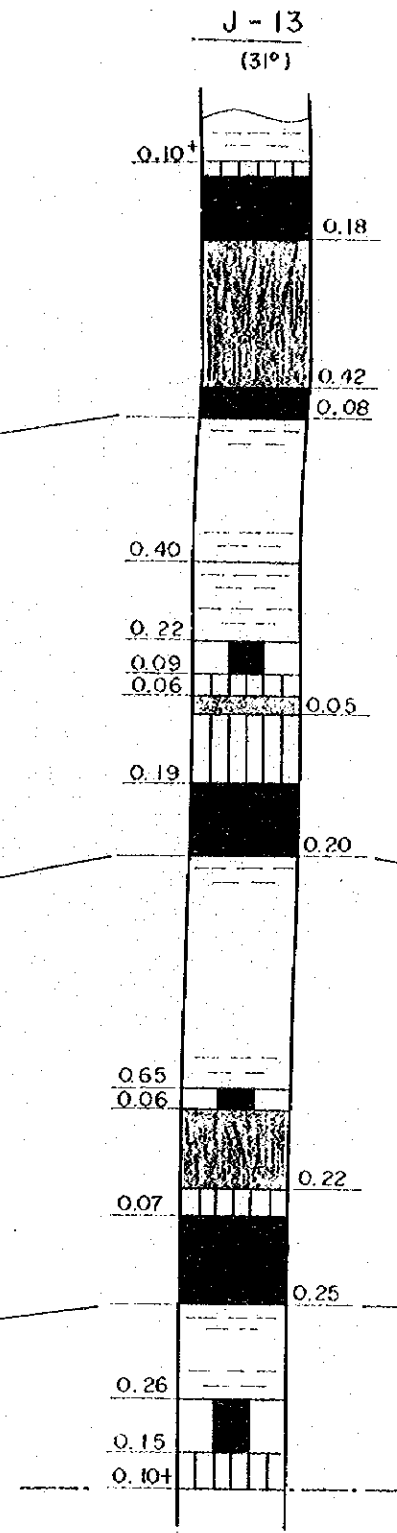
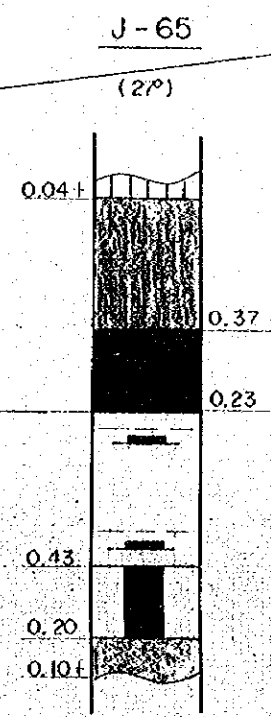
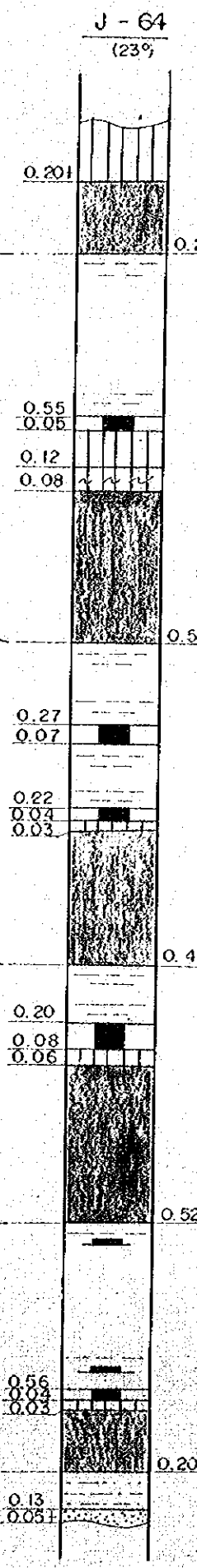
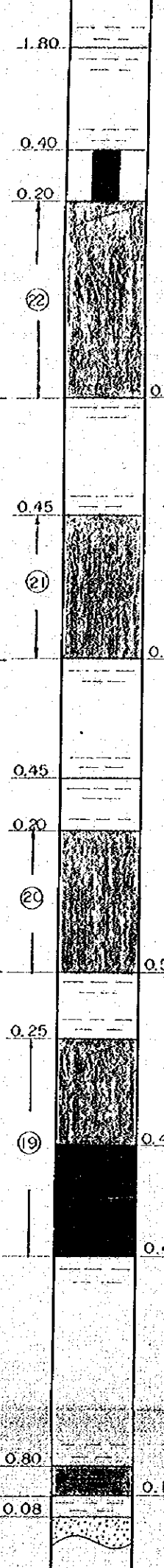
J-63
(20°)

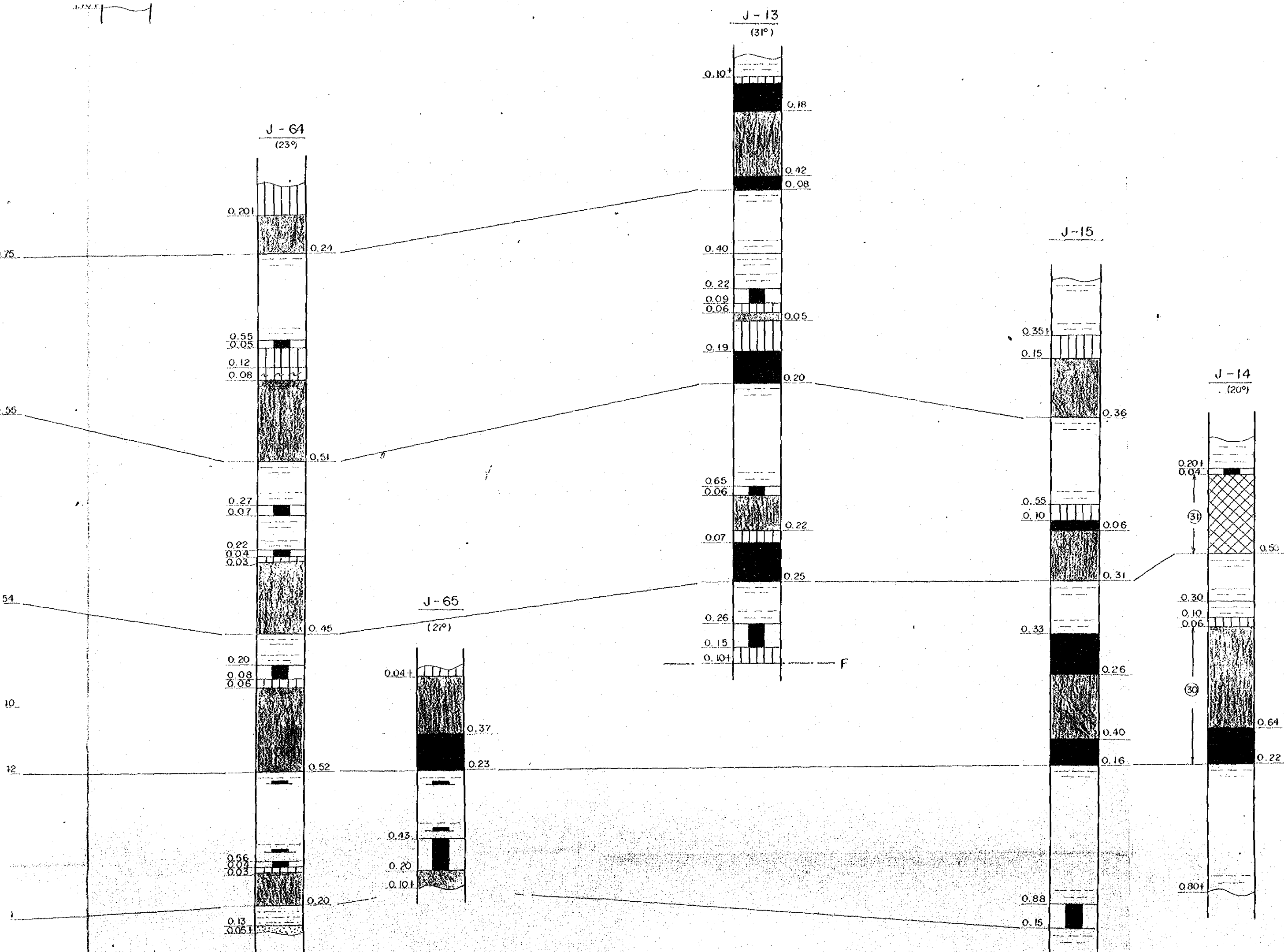


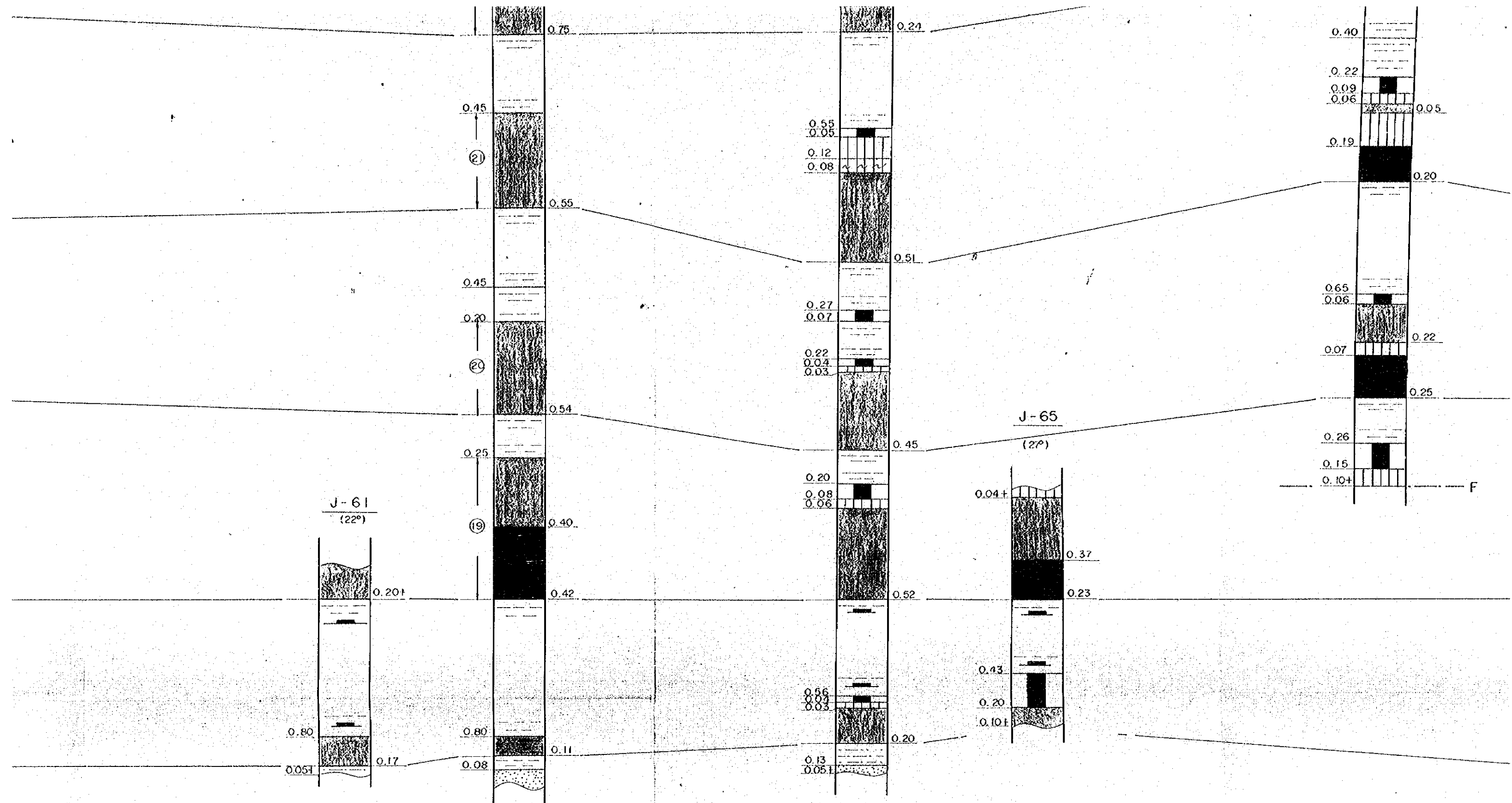
J-13
(31°)











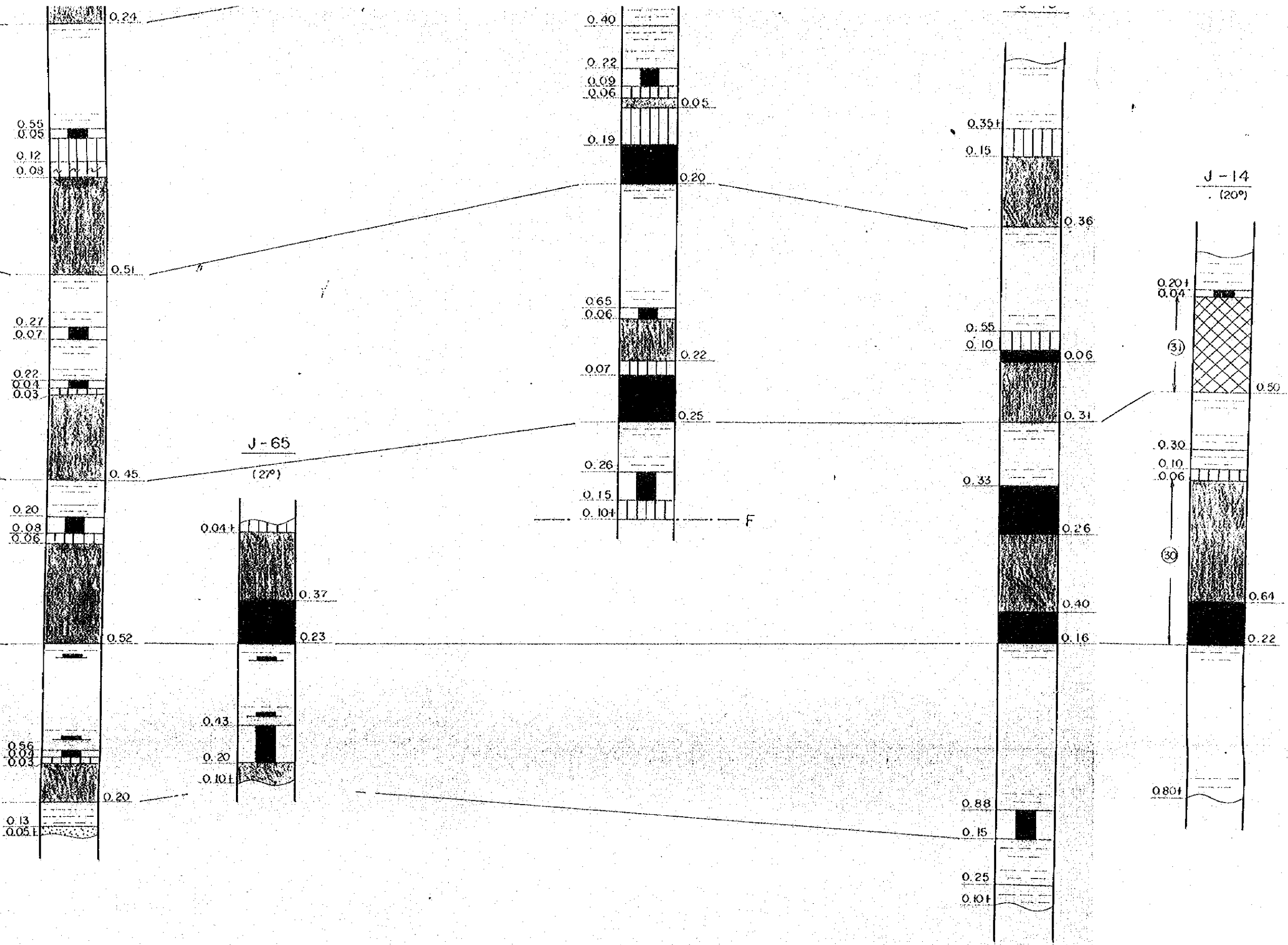
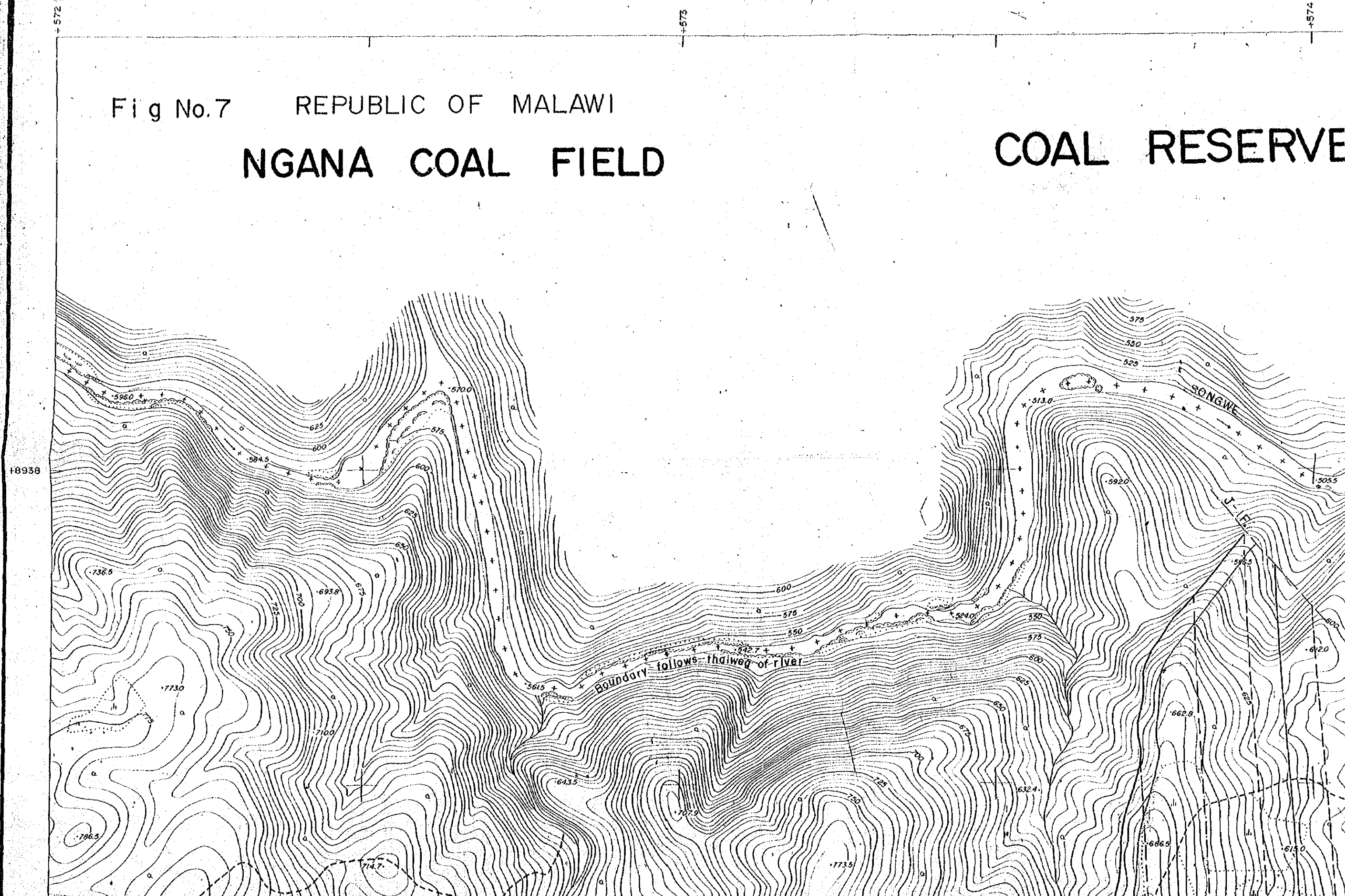
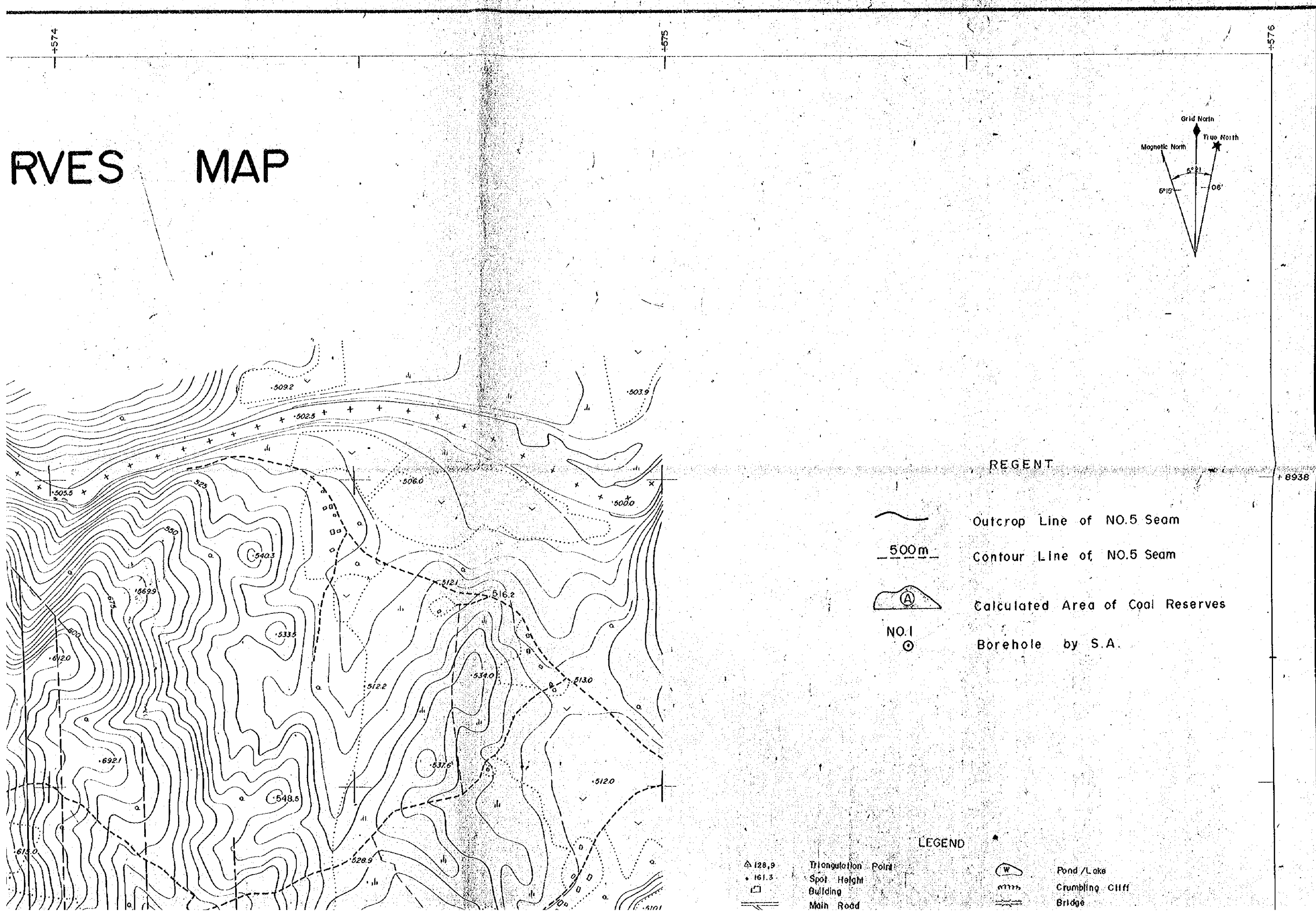


Fig No.7 REPUBLIC OF MALAWI
NGANA COAL FIELD




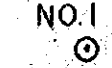
COAL RESERVE










RVES MAP

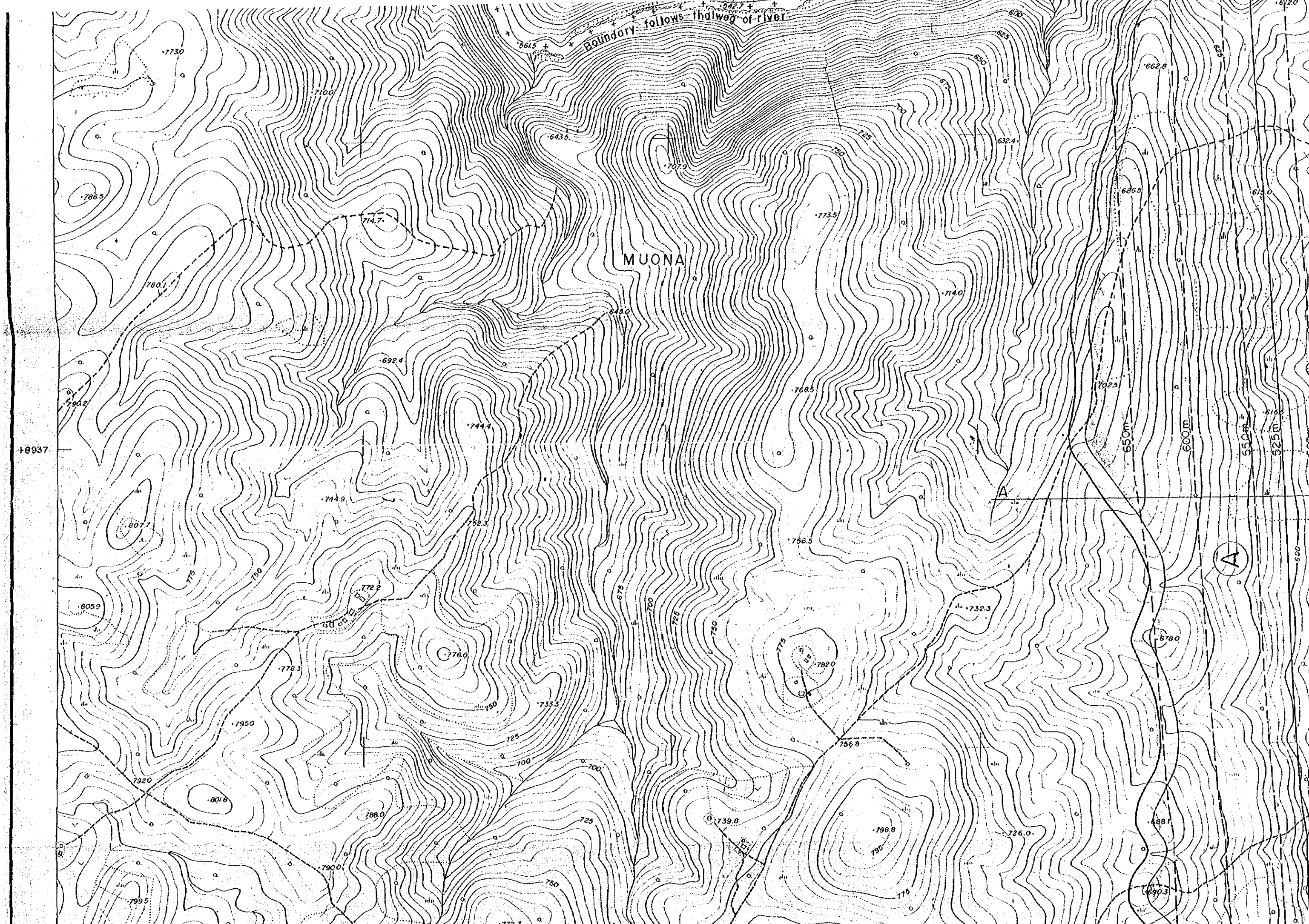


REGENT

-  Outcrop Line of NO.5 Seam
-  Contour Line of NO.5 Seam
-  Calculated Area of Coal Reserves
-  Borehole by S.A.

LEGEND

-  128.9 Triangulation Point
-  161.3 Spot Height
-  Building
-  Main Road
-  Pond/Lake
-  Crumbling Cliff
-  Bridge



+8935

+8934

NABATATA HILLS

HILLS

Nalubanga

Lupumbwa

Lupumbwa

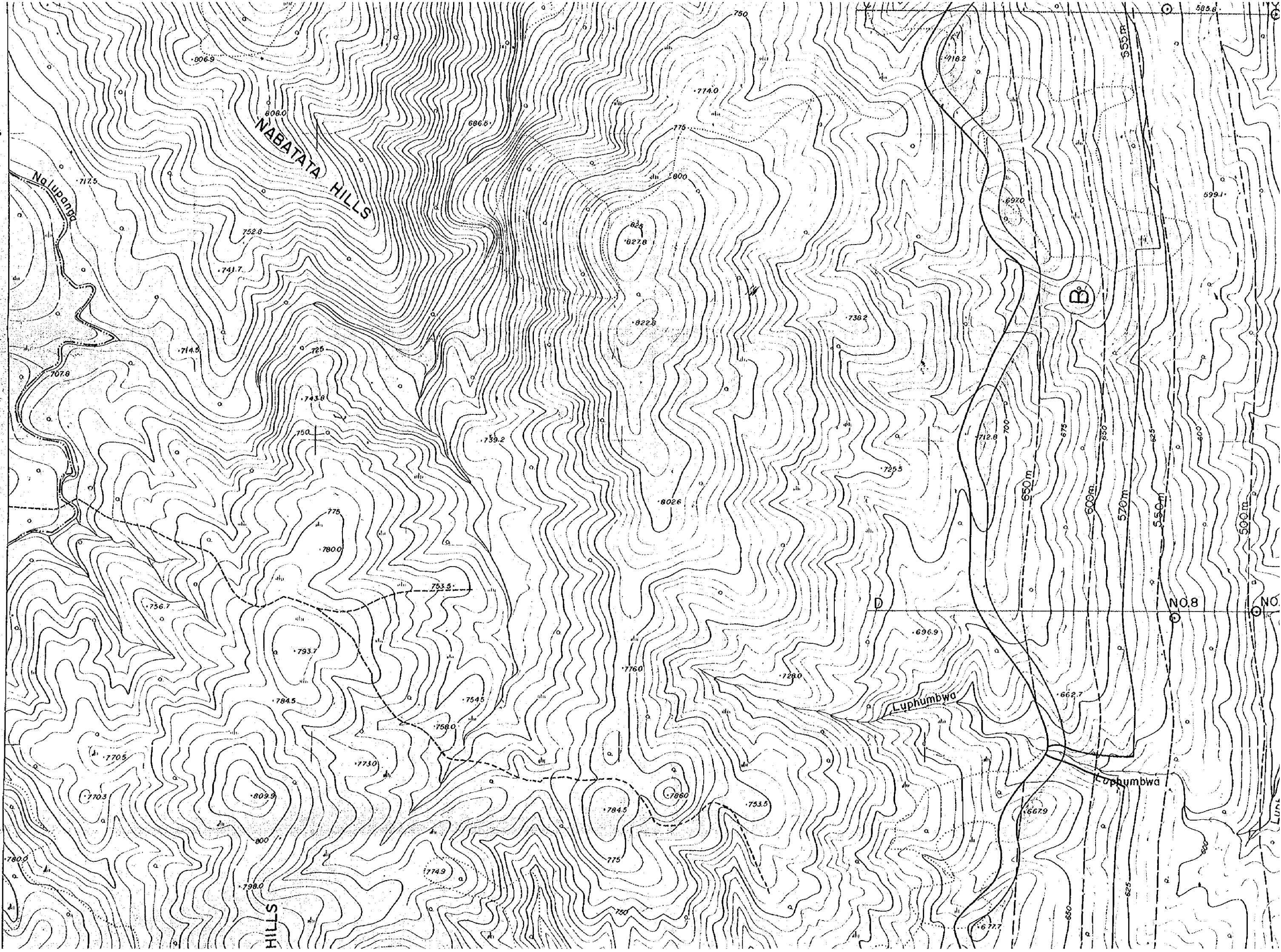
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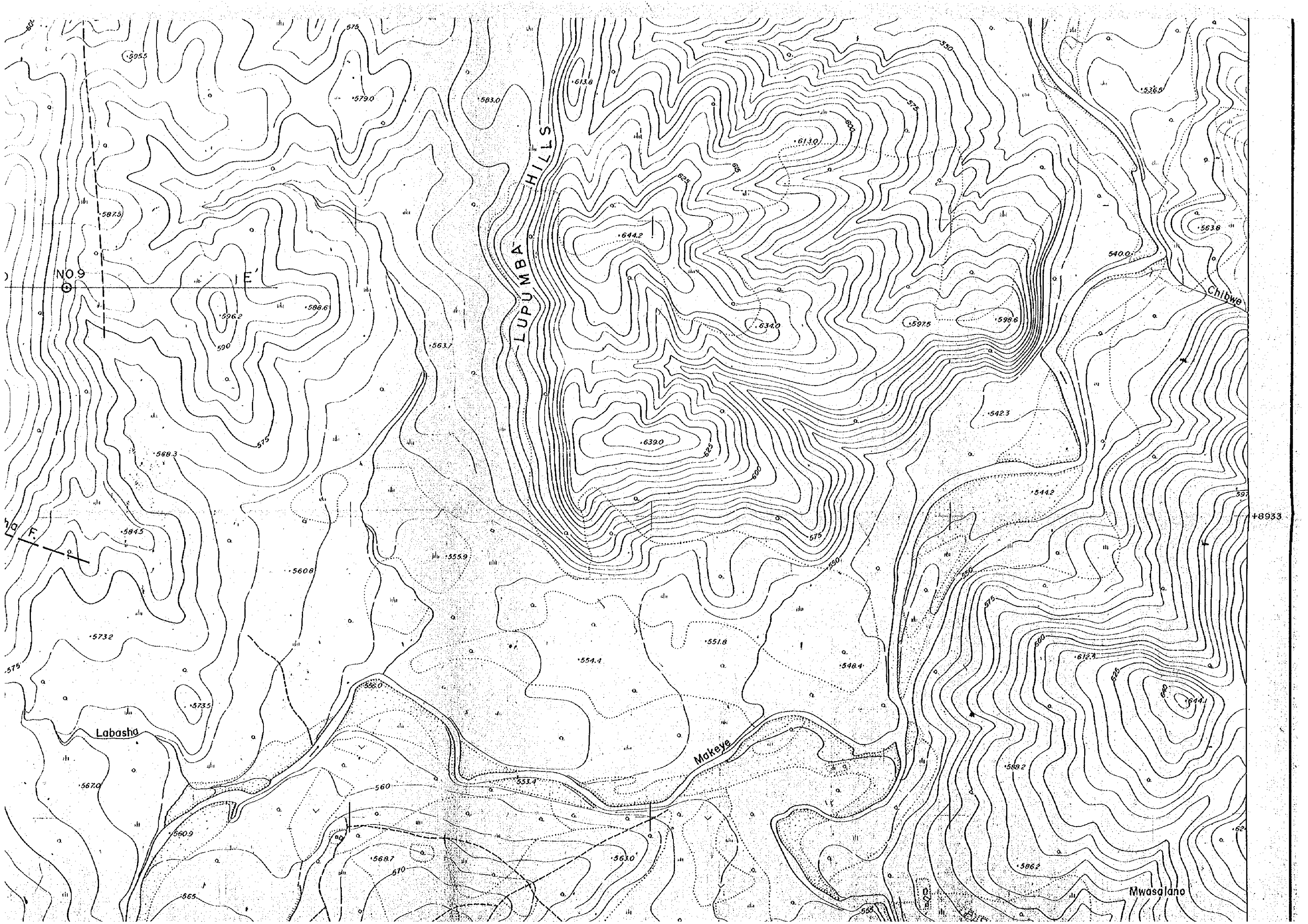
D

N08

N0

Lunt

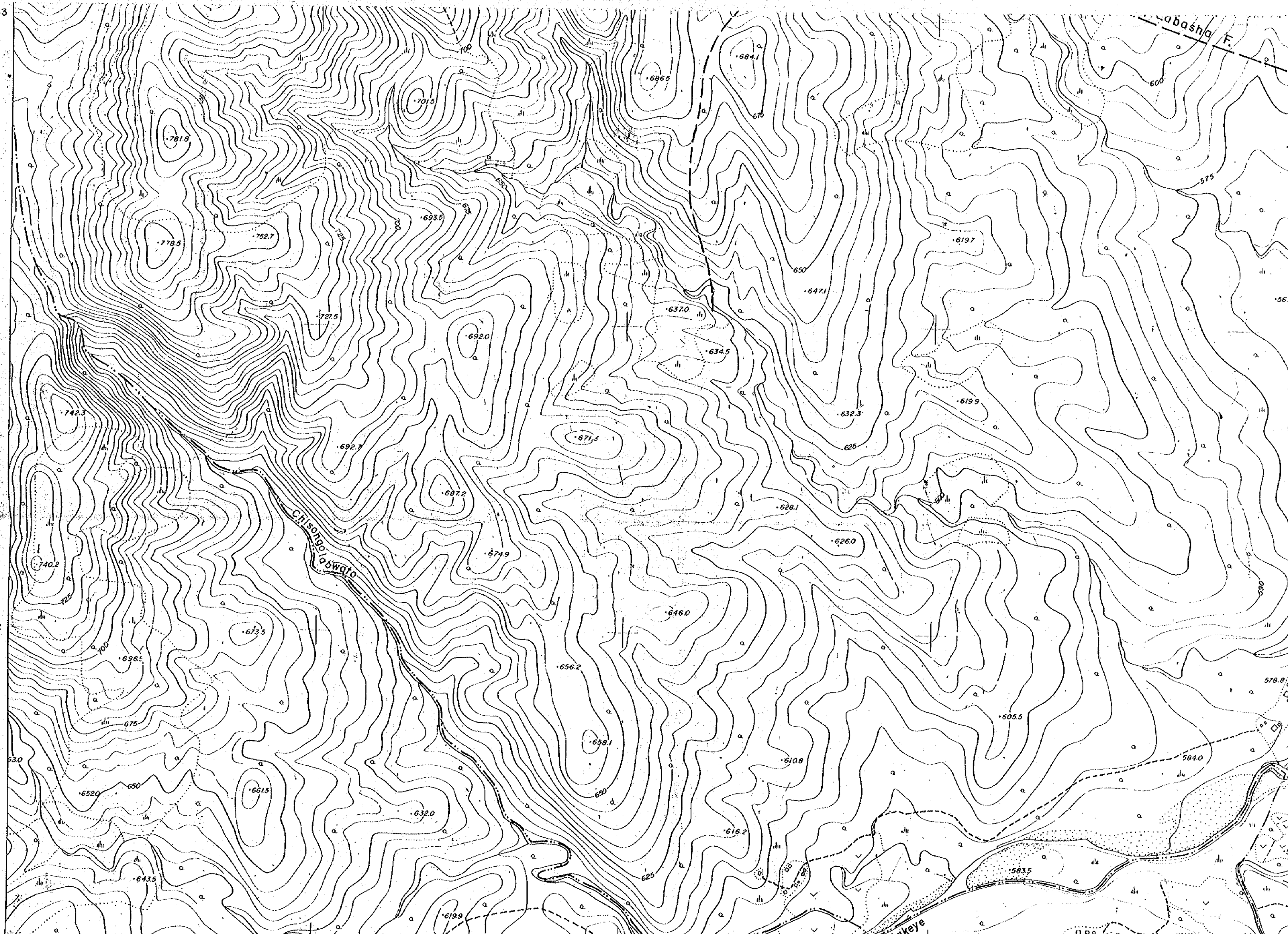


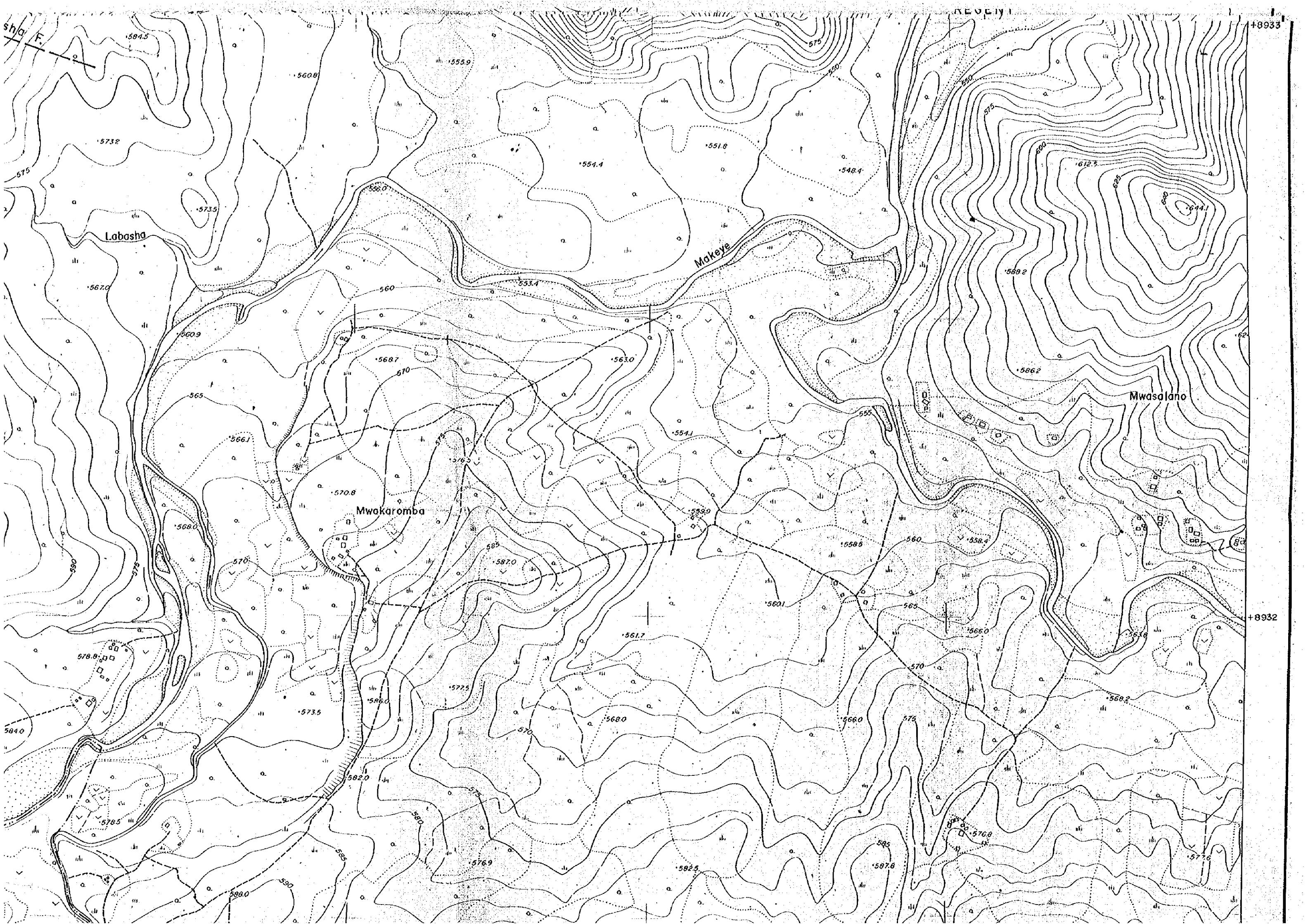


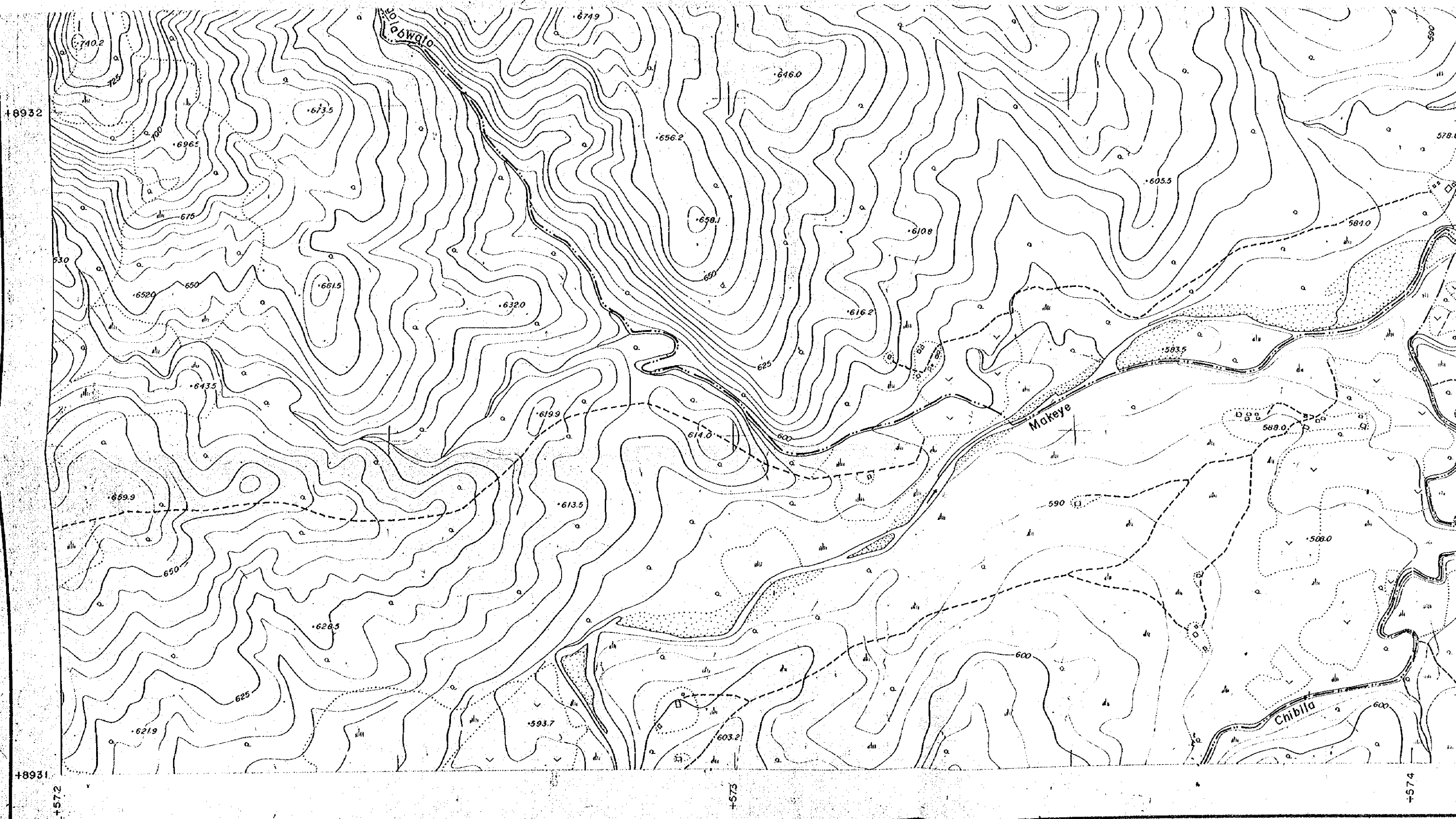
+8933

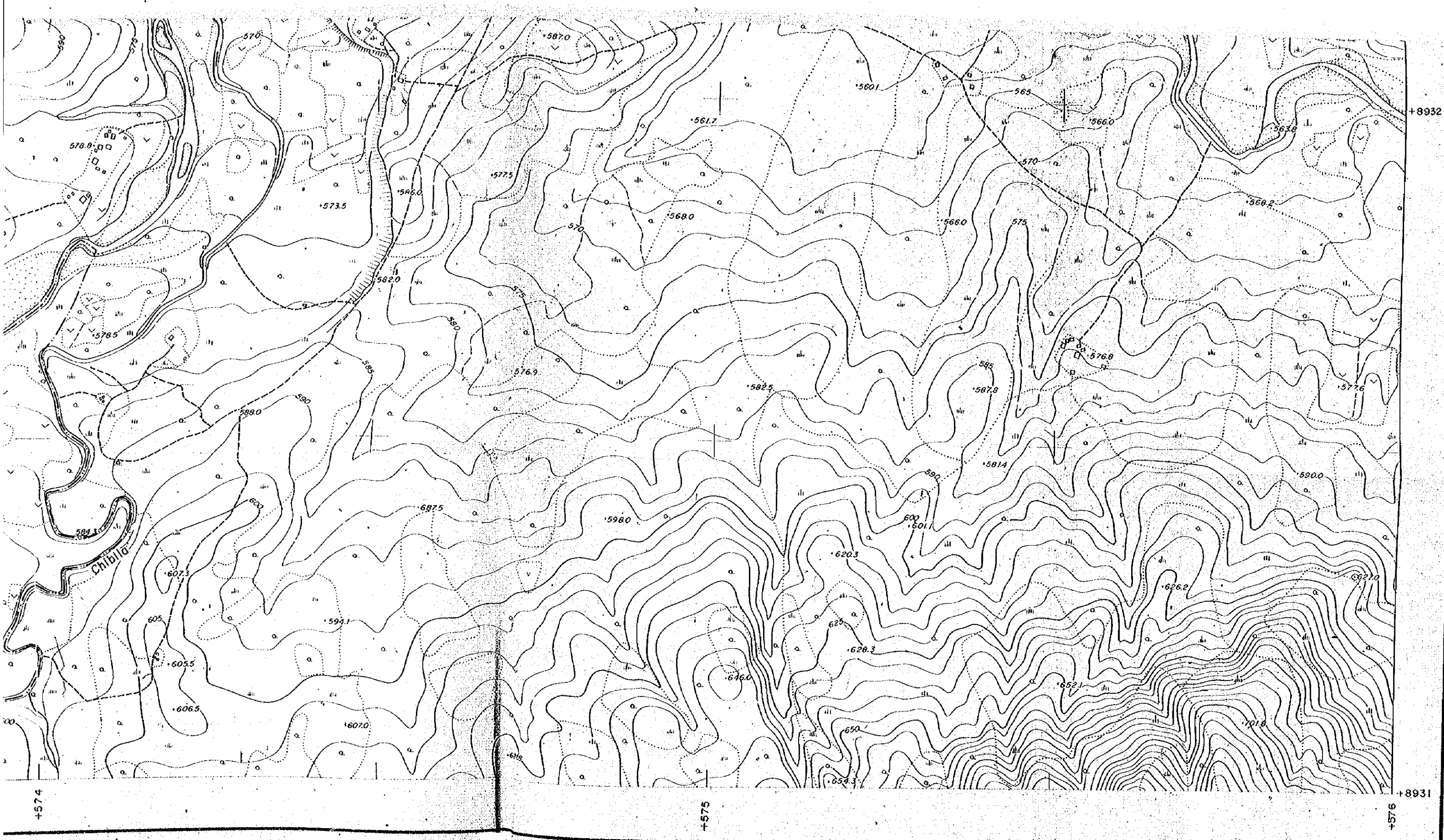
+8932

Abasha F.









+574

+575

+576

+8932

+8931