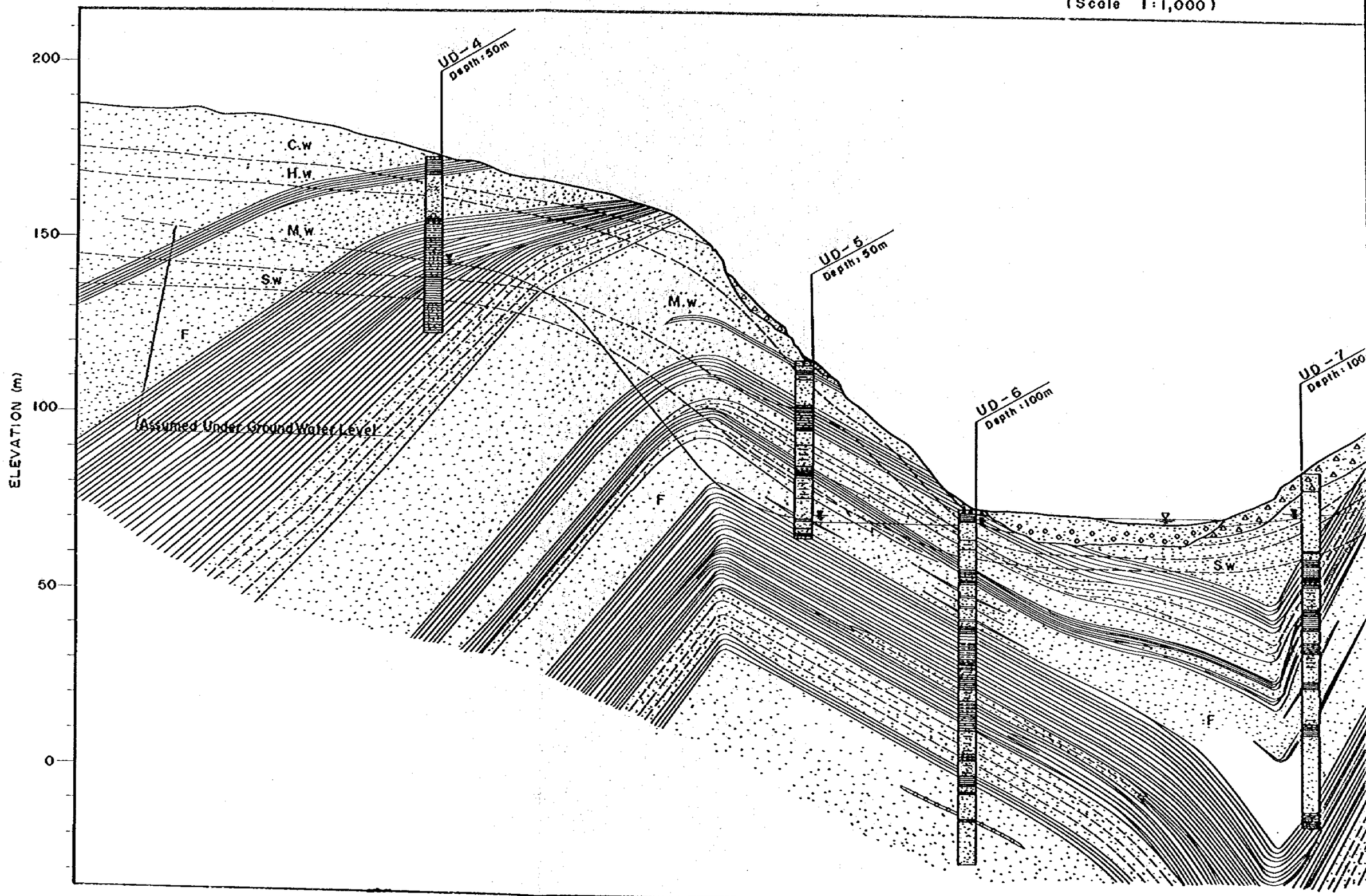
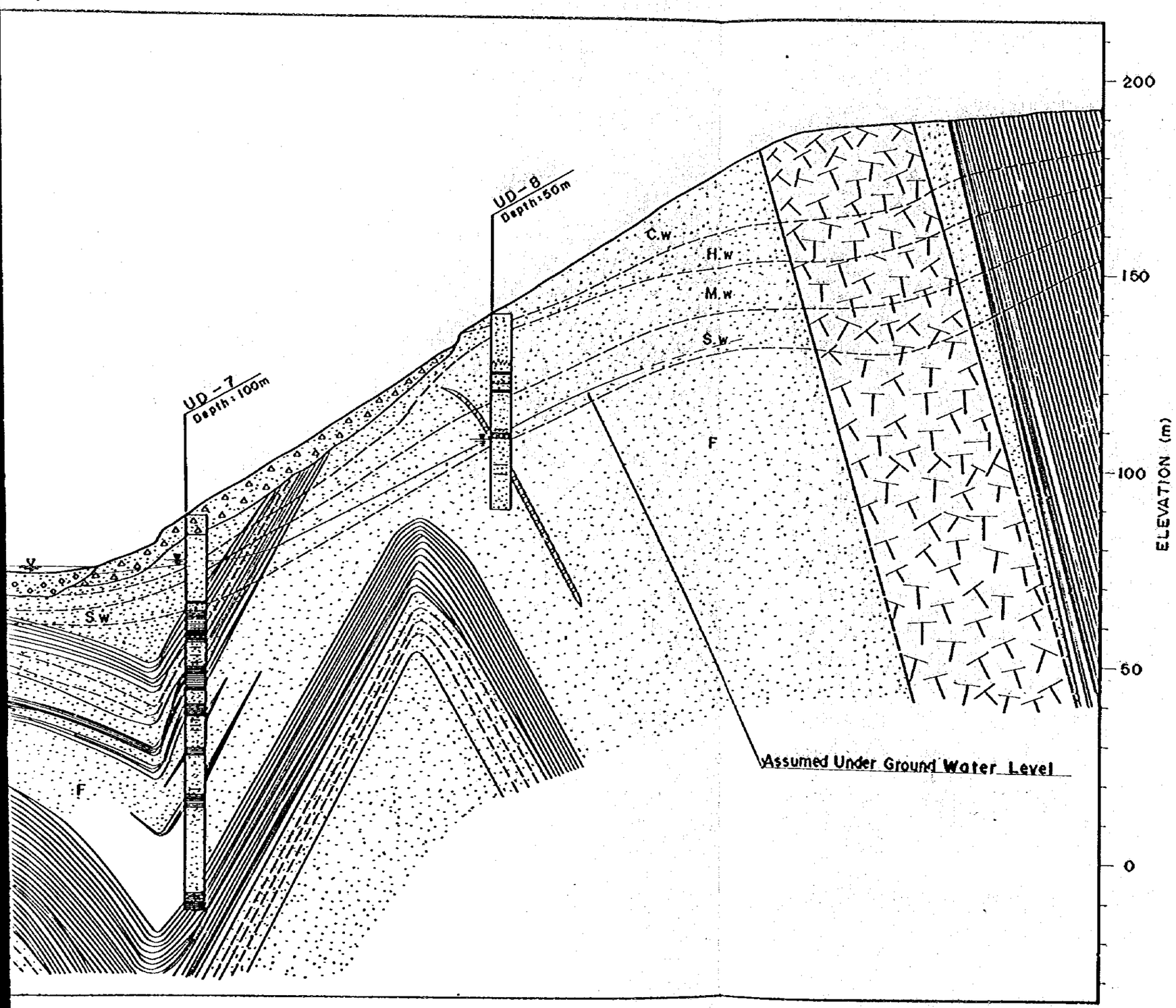
Fig. 4.4 LITHOLOGIC PROFILE OF UPPER TEKAI DAM S

(Scale 1:1,000)



ER TEKAI DAM SITE

1:1,000)



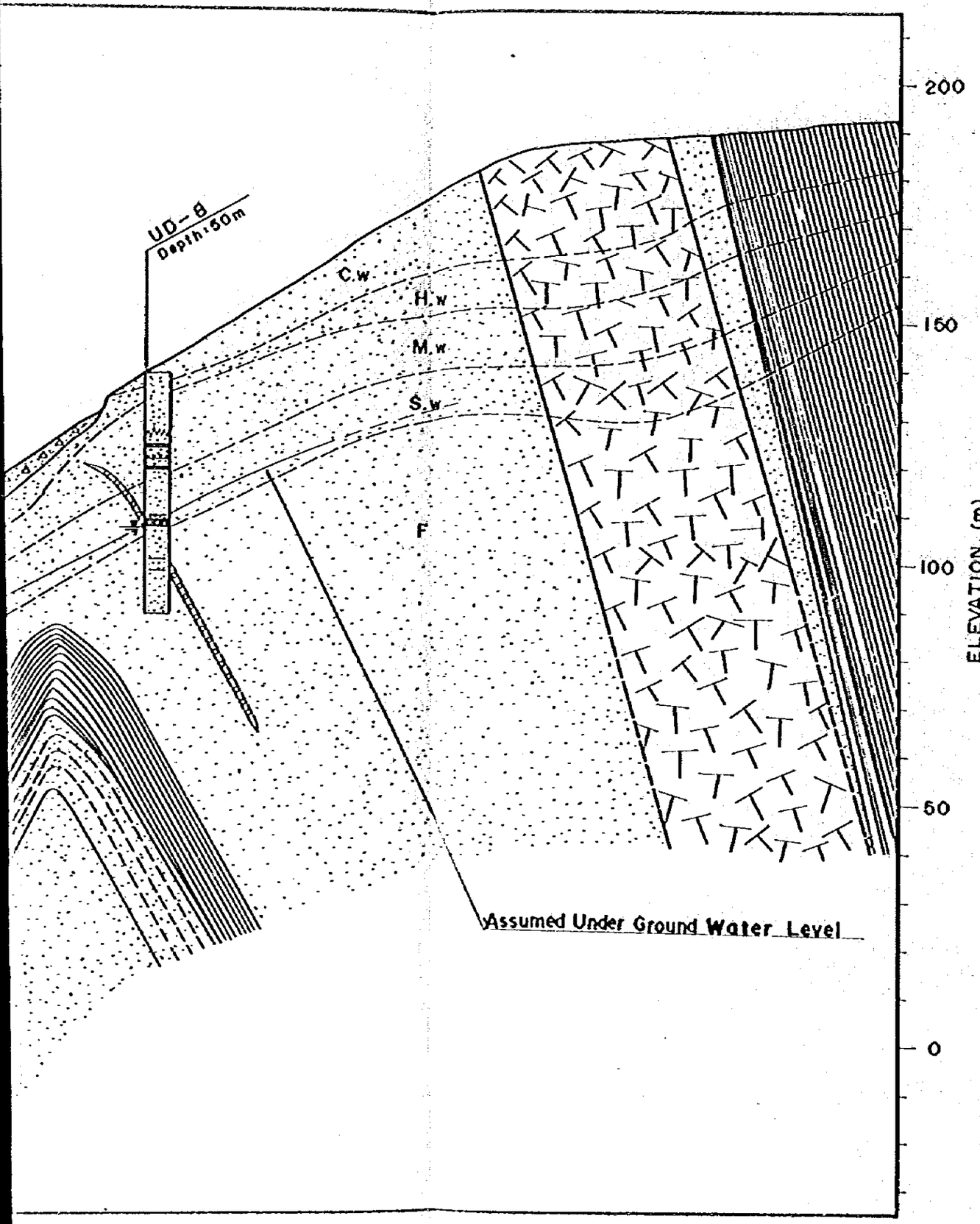
LEGEND

UD-4 Hole No, Carried out in 1982

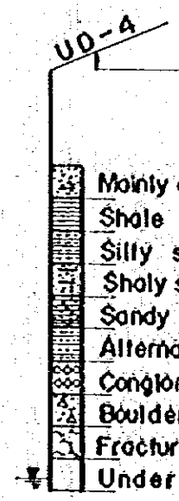
- Mainly quartzose sandstone, Sandstone with shale layer
- Shale
- Silty shale
- Shaly sandstone
- Sandy shale
- Alternation of sandstone and shale
- Conglomerate
- Boulder, breccia and clayey sand
- Fractured zone with clay. Cracky zone
- Under ground water level

- Mainly quartzose sandstone, Sandstone with shale layer
- Mainly shale with silty shale and sandy shale
- Shaly sandstone
- Conglomerate
- Talus deposits ; Boulder and clayey sand
- River bed deposits ; gravel and sand
- Fractured zone

- C.w Completely weathered zone
- H.w Highly weathered zone
- M.w Moderately weathered zone
- S.w Slightly weathered zone
- F. Fresh zone

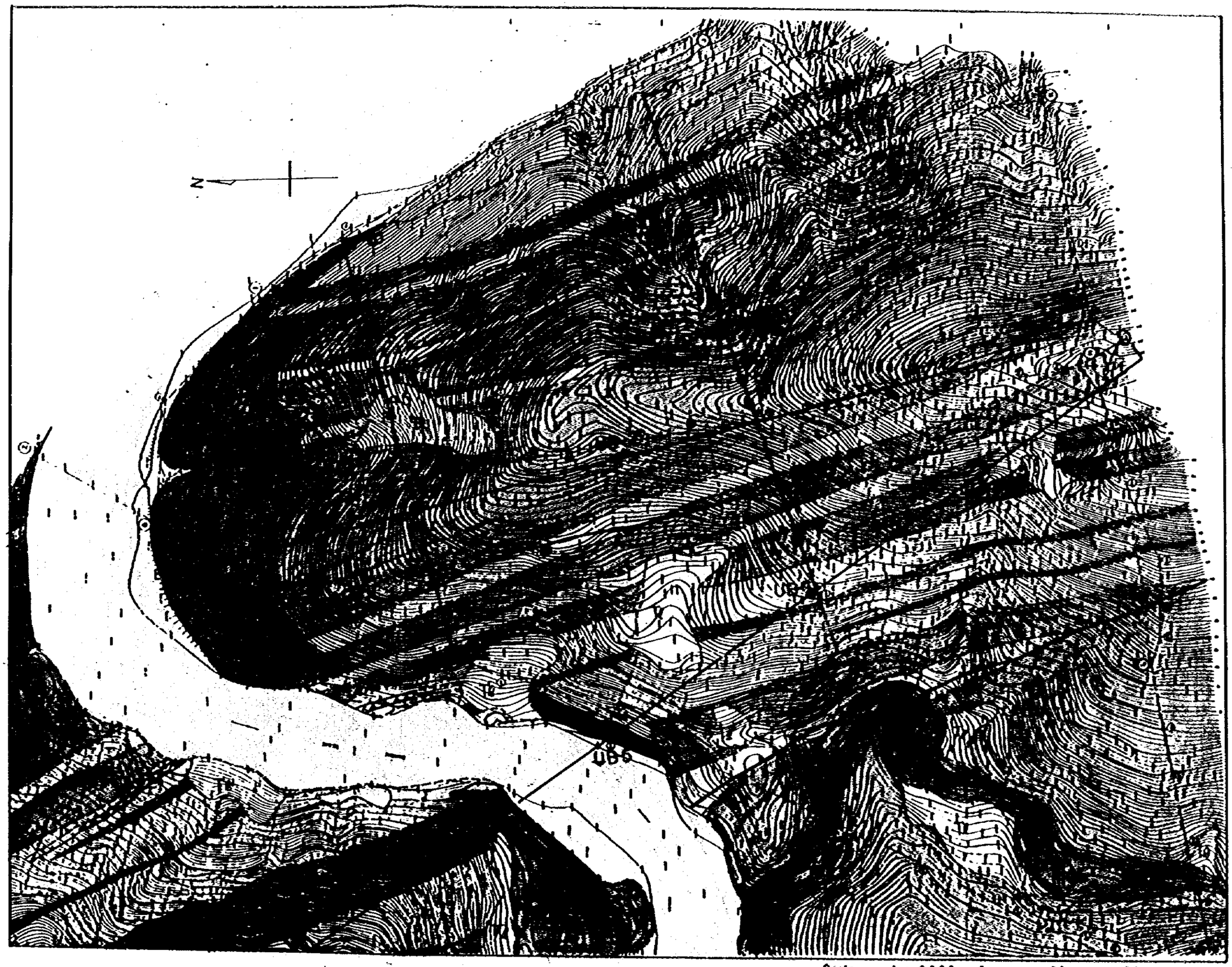


LEGEND



- Mainly quartzose sandstone, Sandstone with shale layer
- Mainly shale with silty shale and sandy shale
- Shaly sandstone
- Conglomerate
- Talus deposits ; Boulder and clayey sand
- River bed deposits ; gravel and sand
- Fractured zone

- C.w Completely weathered zone
- H.w Highly weathered zone
- M.w Moderately weathered zone
- S.w Slightly weathered zone
- F. Fresh zone


N
Scale 1 : 2500
0
50
100m

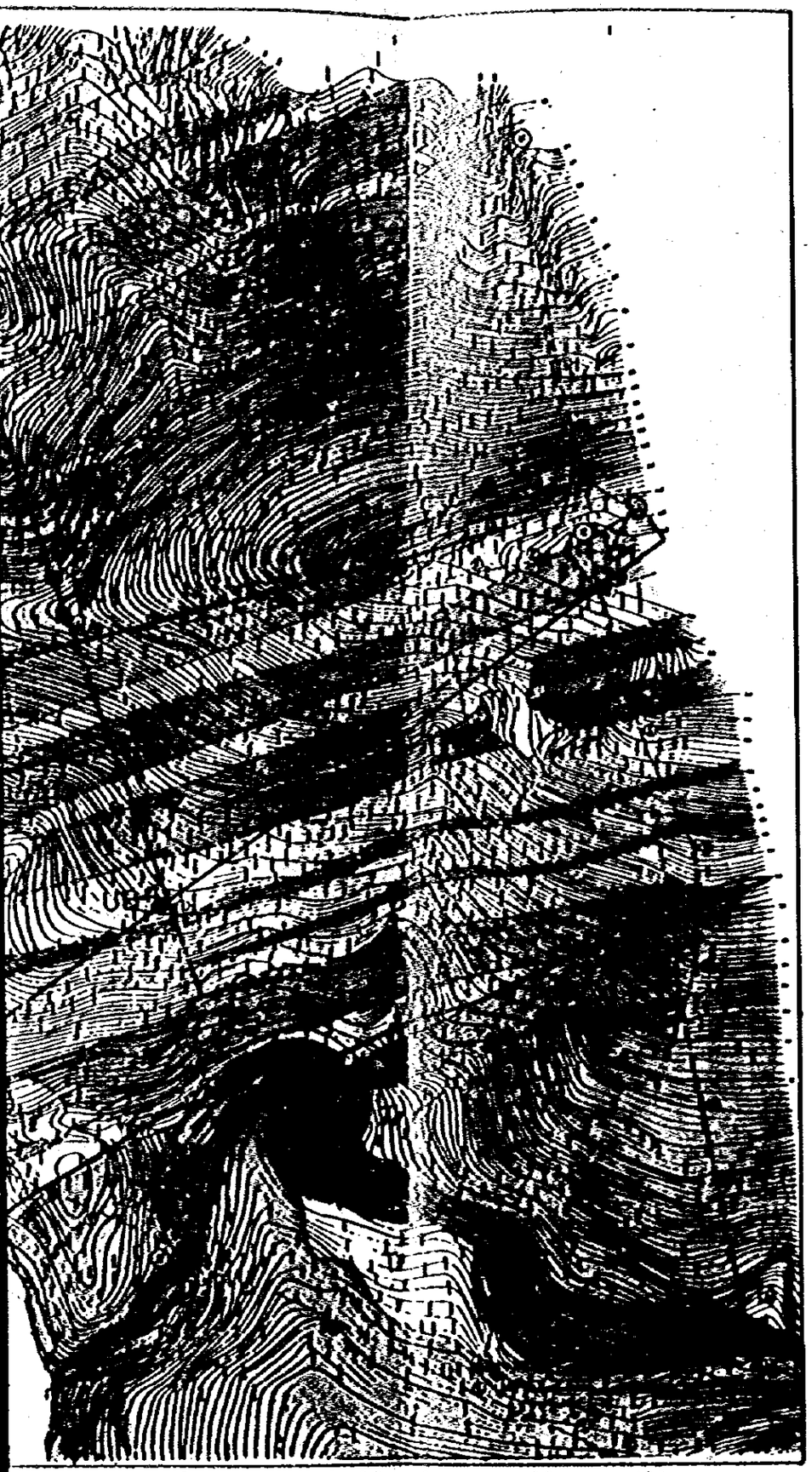


Fig .4.5 GEOLOGICAL MAP OF UPPER TEKAI BORROW AREA (SITE.A)

LEGEND

GEOLOGICAL AGE		COLOR	FORMATION	NAME OF STRATUM
CENOZOIC	QUATERNARY			River Bed Deposits
		Tℓ		Talus Deposits
				Terrace Deposits
MESOZOIC	LOWER CRETACEOUS	Tsh	Terrmus Redbeds	Reddish, Purplish - red shale
	UPPER JURASSIC		Mongking Sandstone	Stratum of Predominantly Sandstone
				Stratum of Predominonty Shale

Fault

Fractured zone

Landslide concavity

Drilling point and hole number

Test pite point and pite number

Seismic prospecting line

A A Geological profile line

Scale 1 : 2,500

Fig 4.6 GEOLOGICAL MAP OF UPPER TEKAI DAM SITE

LEGEND

GEOLOGICAL AGE		COLOR	FORMATION	NAME OF STRATUM
CENOZOIC	QUATERNARY			River Bed Deposits.
		Tl		Talus Deposits.
				Terrace Deposits.
MESOZOIC	UPPER JURASSIC		Mongking Sandstone	Stratum of Predominantly Sandstone.
				Stratum of Predominantly Shale.
				Alternation of Sandstone and Shale

- Syncline
- Anticline
- Fractured zone
- Landslide concavity
- Drilling point and hole number
- Seismic prospecting line.
- A — A : Geological profile line

A - A	Dam axis
B - B	Spillway
C - C	Penstock and Power station
D - D	Diversion tunnel
E - E, F - F	Coffer dam
G - G	Alternative Spillway

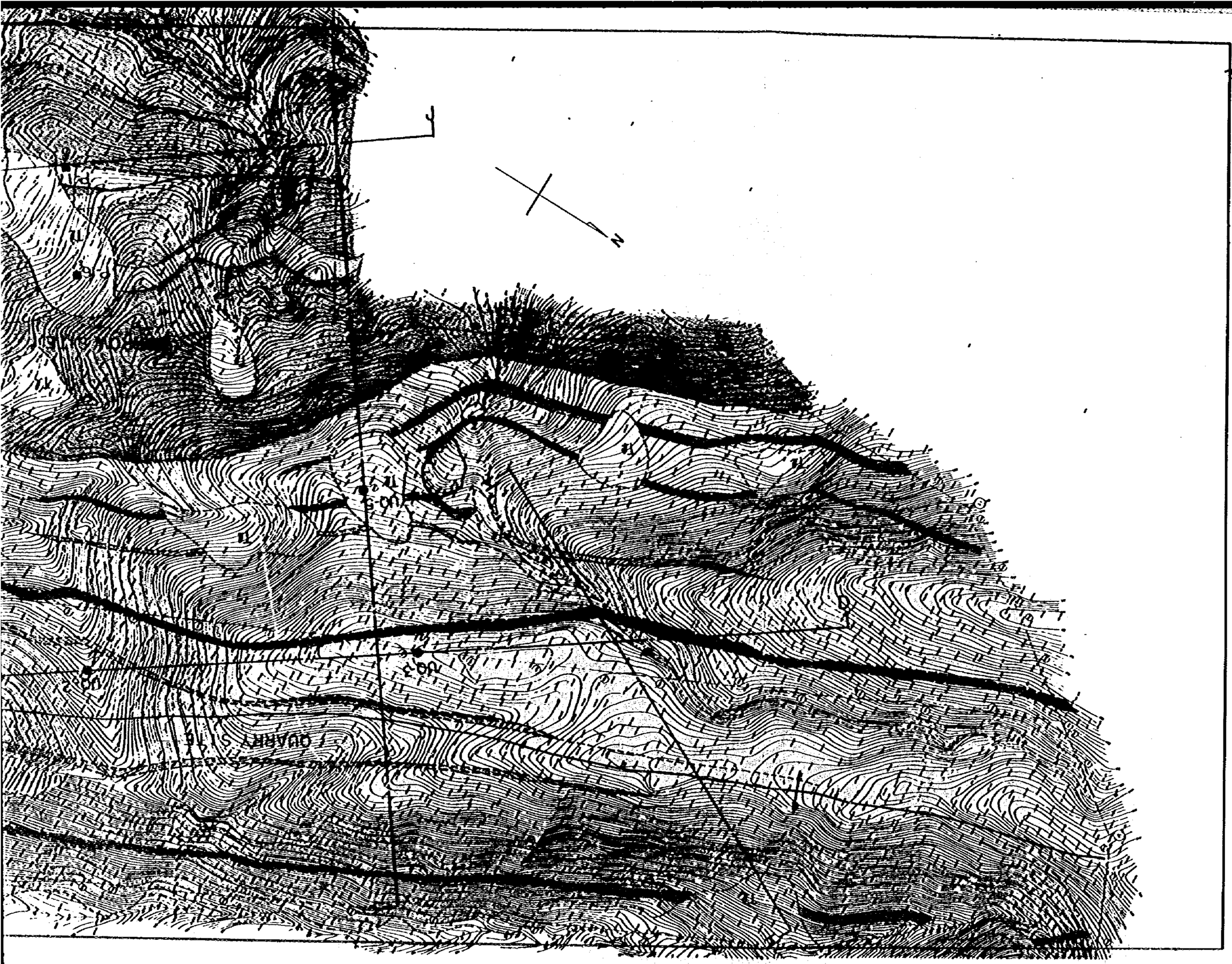
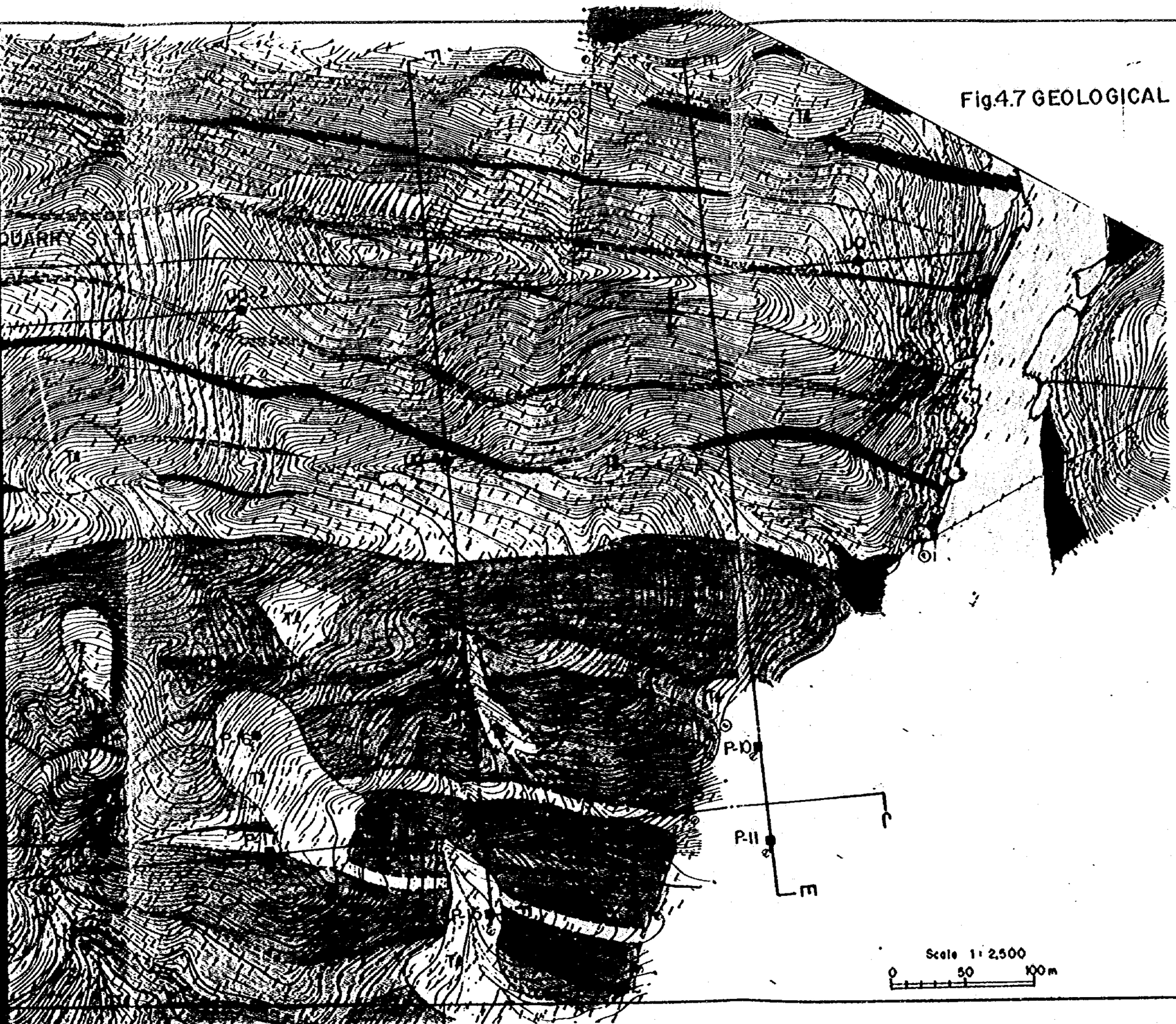

N
QUARRY

Fig.4.7 GEOLOGICAL MAP OF UPPER TEKAI QUARRY AN



GEOLOGICAL AGE		COLOR	FORMATION	N
CENOZOIC	QUATERNARY			Riv
		Tq		Tal
				Ter
MESOZOIC	UPPER JURASSIC		Mangking Sandstone	Str
				Str
				Co
				Al

Anticline

Syncline

Landslide concavity

Drilling point and ho

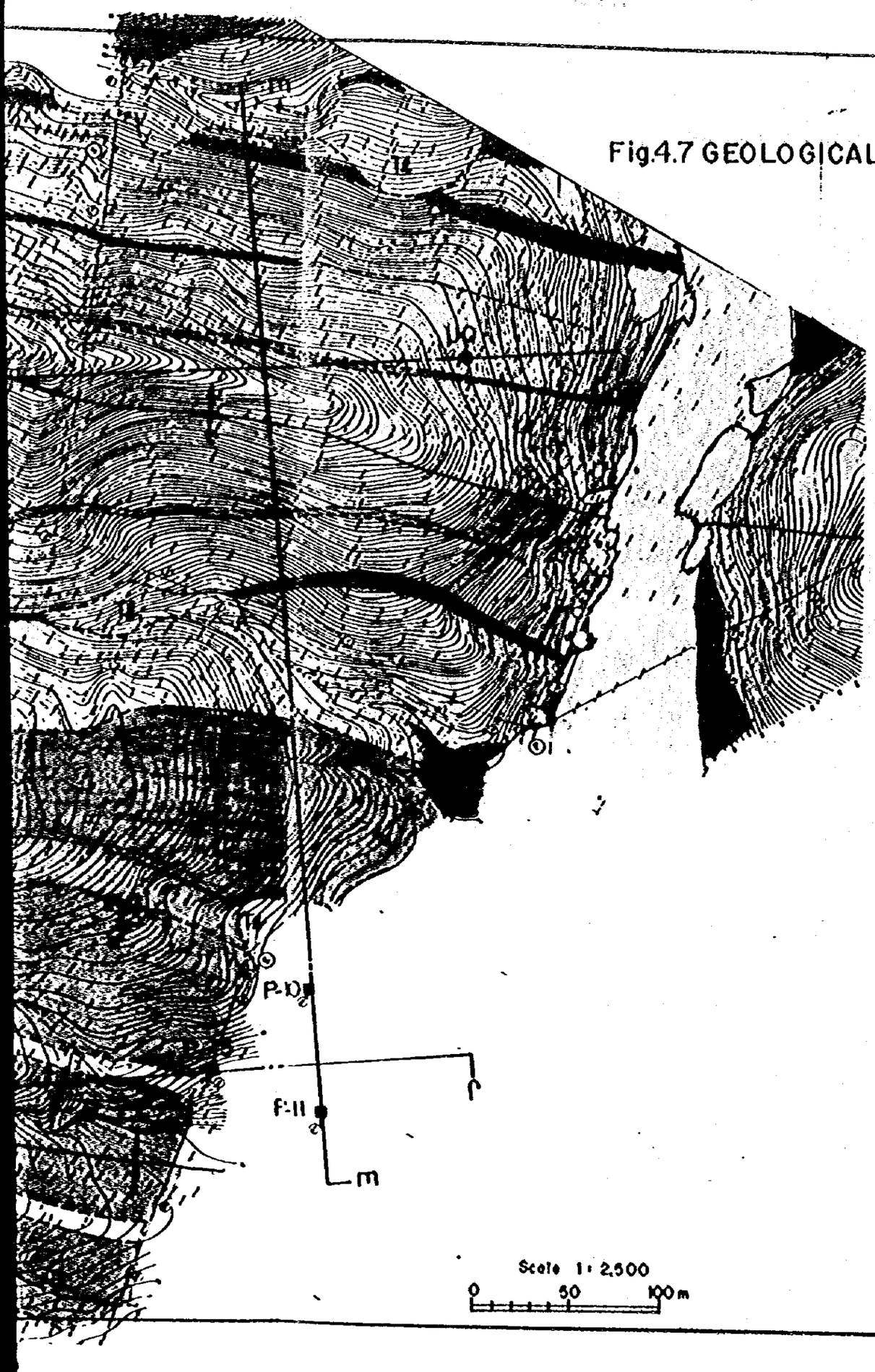
Seismic prospecting li

A — A Geological profile line

Scale 1:2,500

0 50 100m

Fig.4.7 GEOLOGICAL MAP OF UPPER TEKAI QUARRY AND BORROW AREA (SITE.B)



GEOLOGICAL AGE		COLOR	FORMATION	NAME OF STRATUM
CENOZOIC	QUATERNARY			River Bed Deposits
		Tg		Talus Deposits
				Terrace Deposits
MESOZOIC	UPPER JURASSIC		Mangking Sandstone	Stratum of Predominantly Sandstone.
				Stratum of Predominaty Shale
				Conglomerate
				Alternation of Sandstone and Shale

Anticline

Syncline

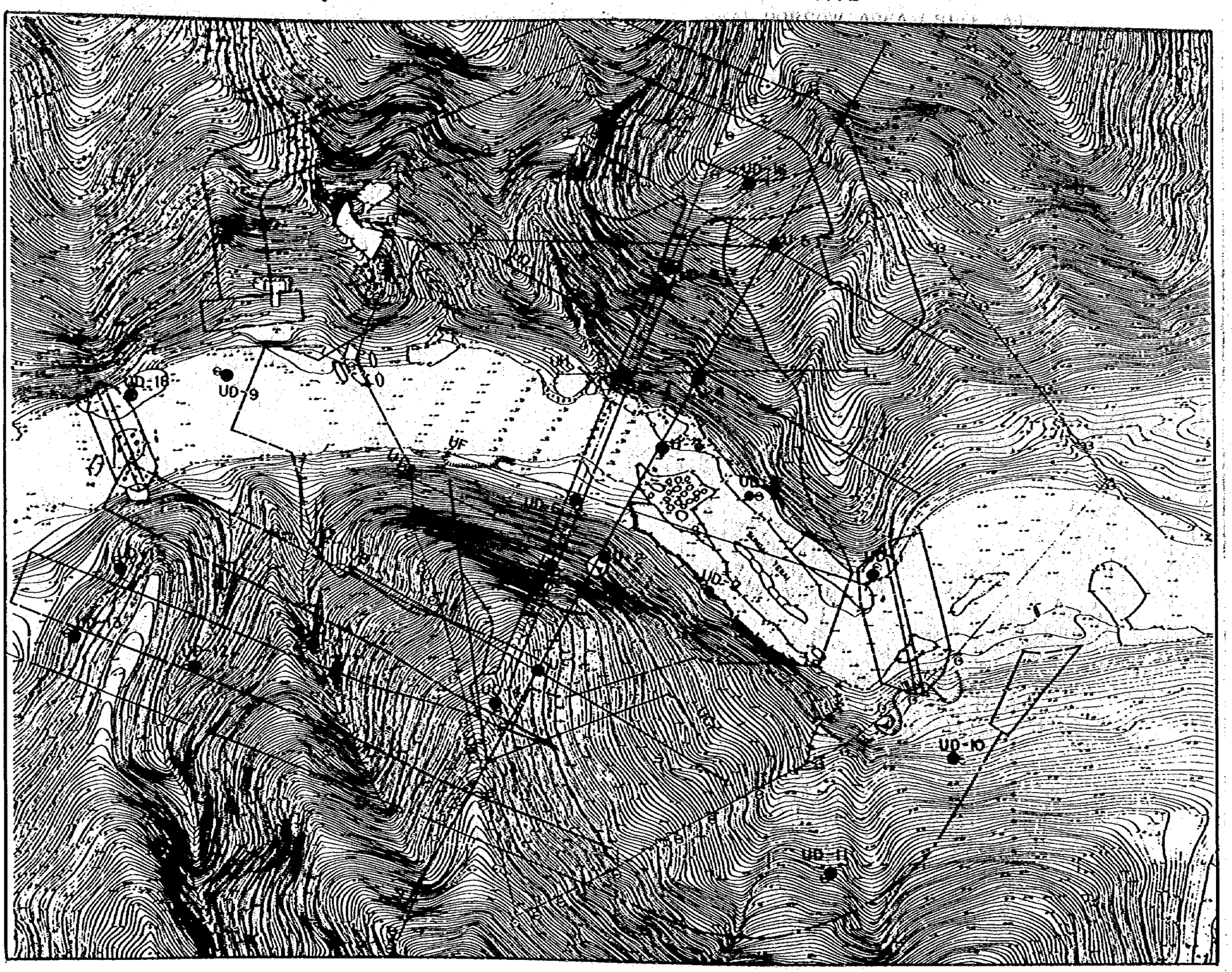
Landslide concavity

Drilling point and hole number

Seismic prospecting line

A — A Geological profile line

Fig. 4.8 LOCATION MAP OF UPPER TEKAI DAM SITE



LEGEND

● UD-1~UD-18	Drilling point and Carried out in 19
● U-1~U-5	Drilling point and Carried out in 19
UA~UJ2	Seismic prospecti Carried out in 19

Scale 1:2500
0 50 100m

4.8 LOCATION MAP OF UPPER TEKAI DAM SITE

LEGEND

● UD-1~UD-18	Drilling point and hole No. Carried out in 1982
● U-1~U-5	Drilling point and hole No. Carried out in 1981
—— UA~UJ2	Seismic prospecting line Carried out in 1981

Scale 1:2500
0 50 100m

Fig.4.9 LOCATION MAP OF UPPER TEKAI BORROW AREA (SITE A)

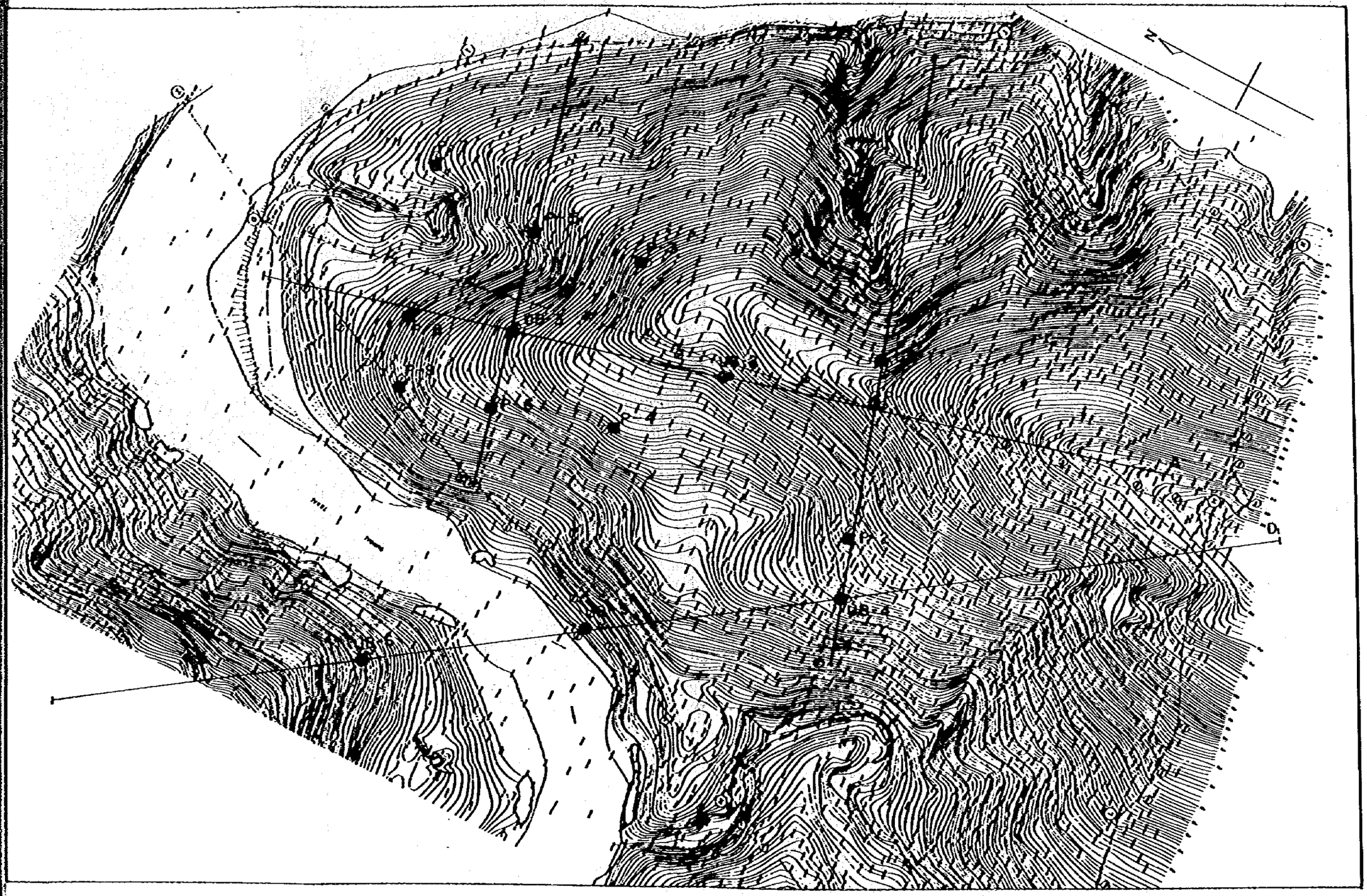
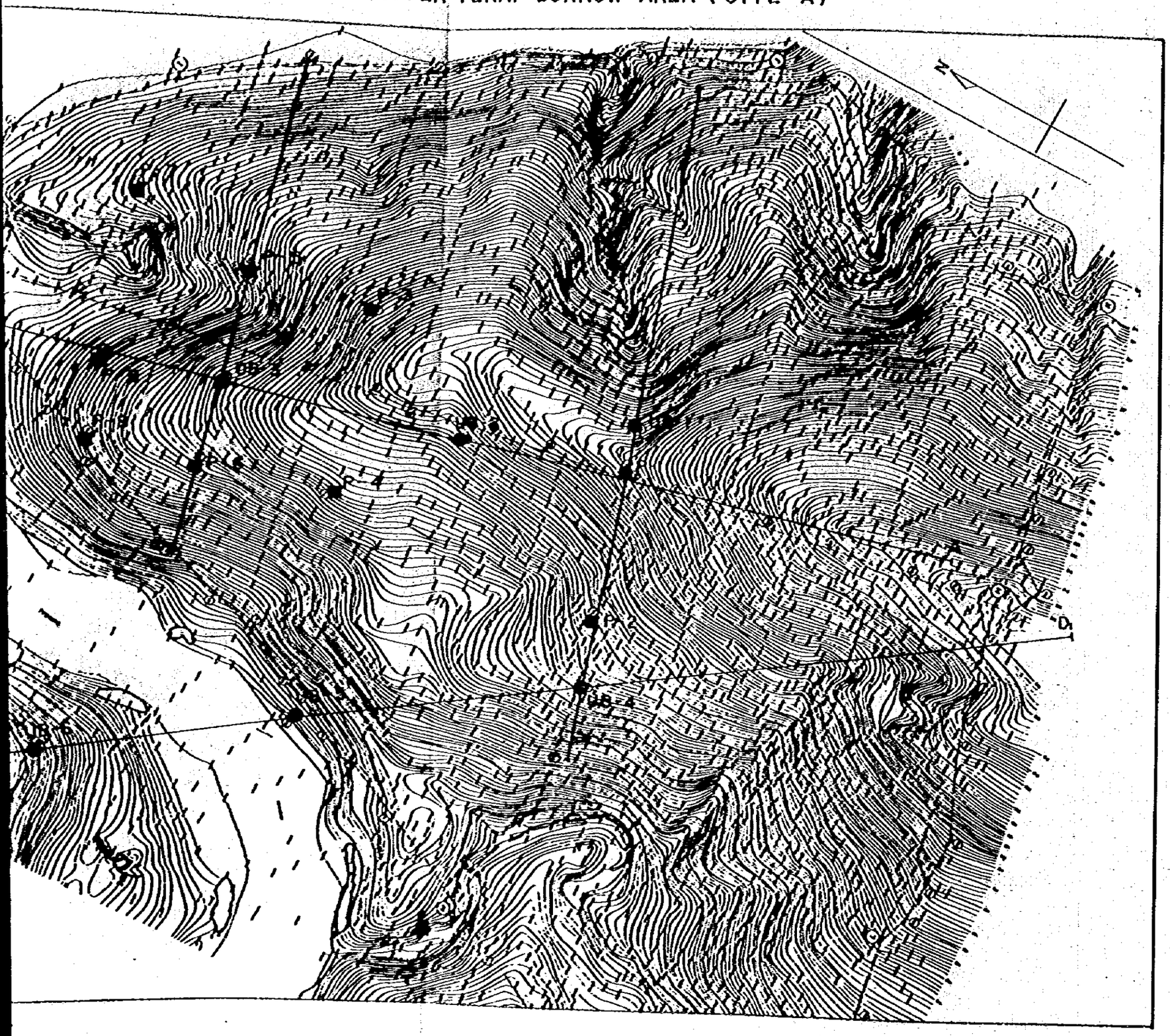


Fig.4.9 LOCATION MAP OF UPPER TEKAI BORROW AREA (SITE A)

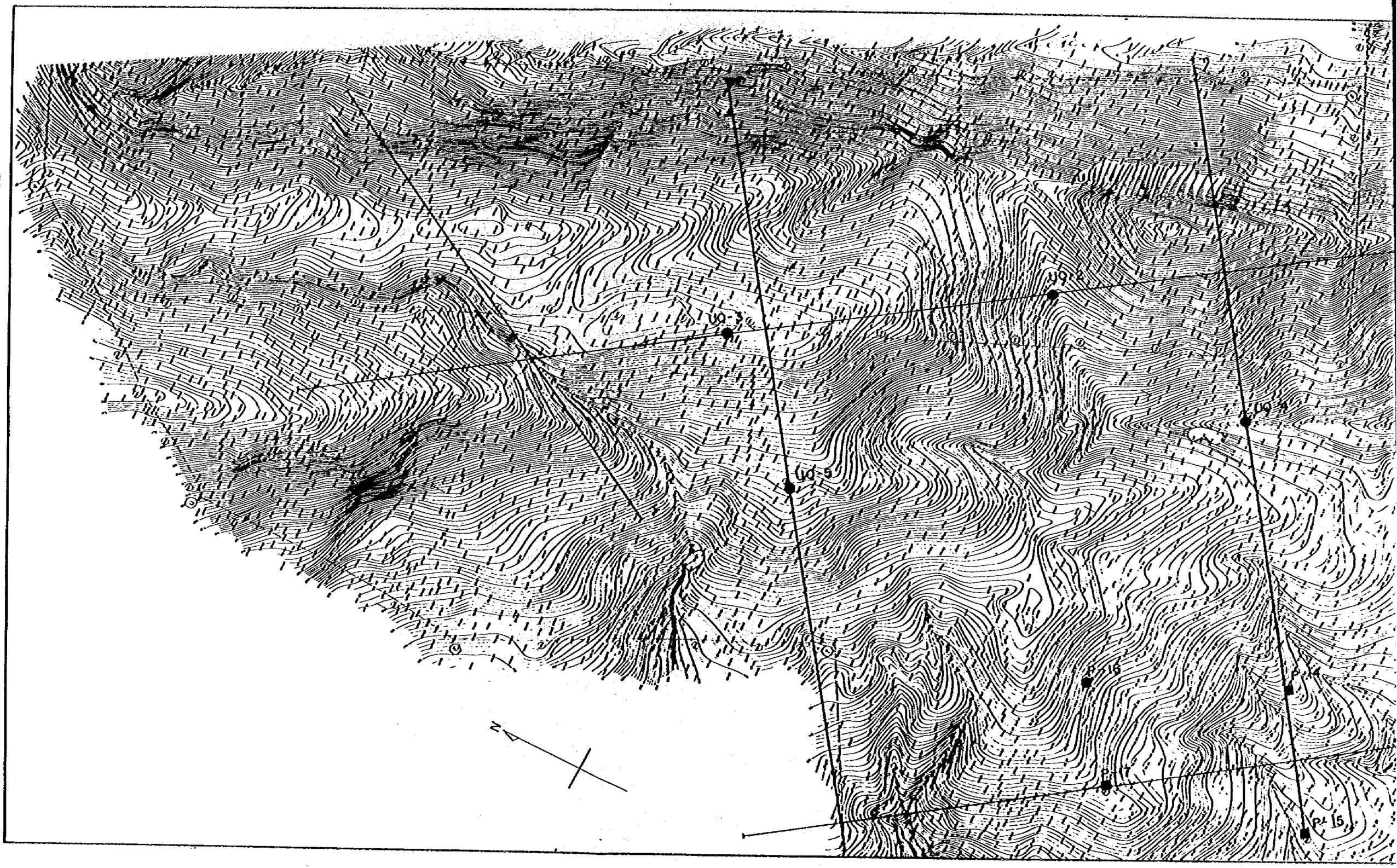


LEGEND

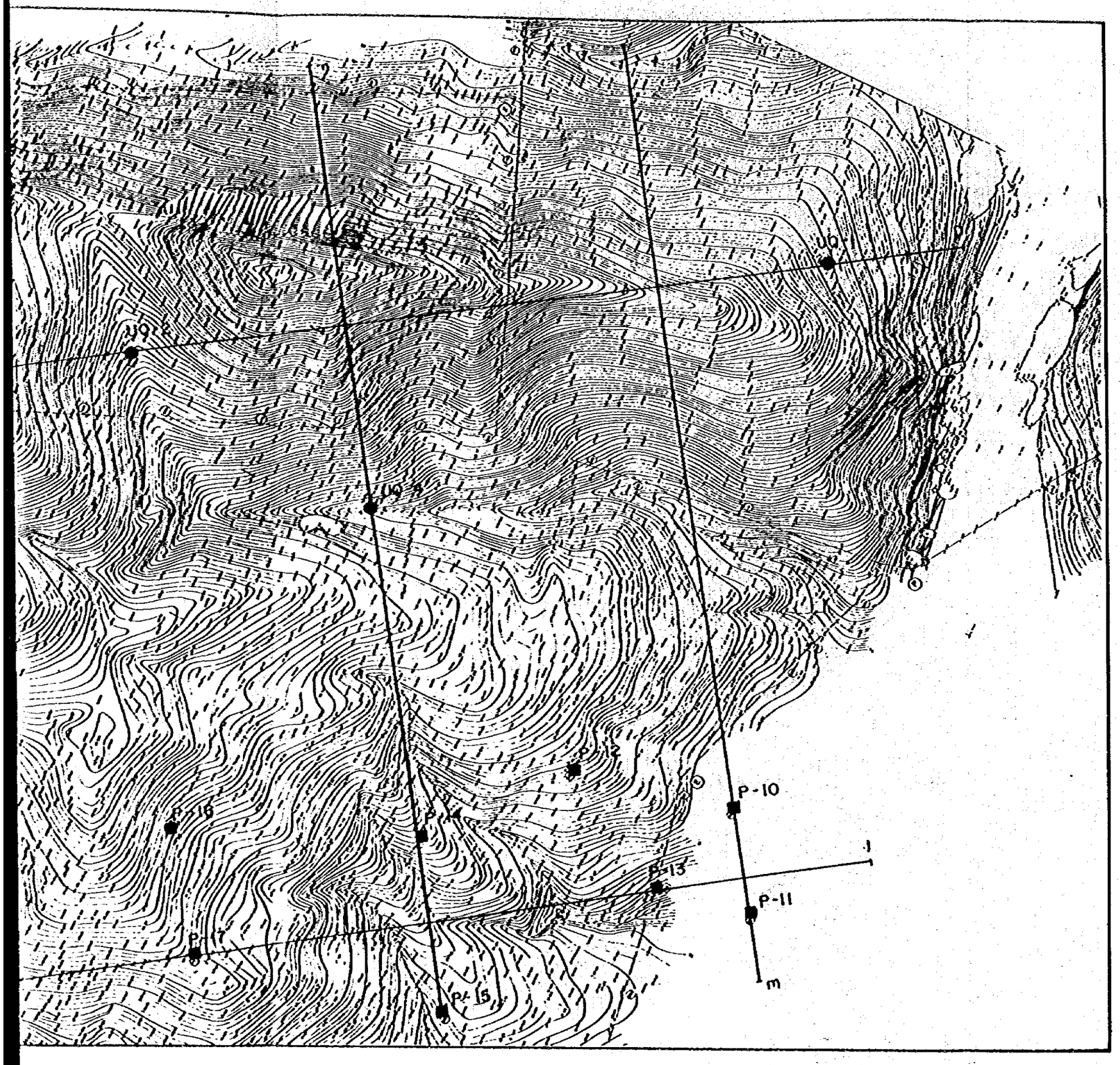
● UB-1~UB-6	Drilling point and hole No. Carried out in 1982.
■ P-1~P-9	Test pitting point and pit No. Carried out in 1982
A~D₁	Seismic prospecting line Carried out in 1982

Scale 1: 2500
0 50 100m

Fig. 4.10 LOCATION MAP OF UPPER TEKAI QUARRY AREA AND BORROW AREA (SITE B)



REA AND BORROW AREA (SITE B)



LEGEND

● UQ-1~UQ-5	Drilling point and hole No. Carried out in 1982
■ P-10~P-17	Test pitting point and pit No. Carried out in 1982
D.~J	Seismic prospecting line Carried out in 1982

Scale 1: 2500
0 50 100m