

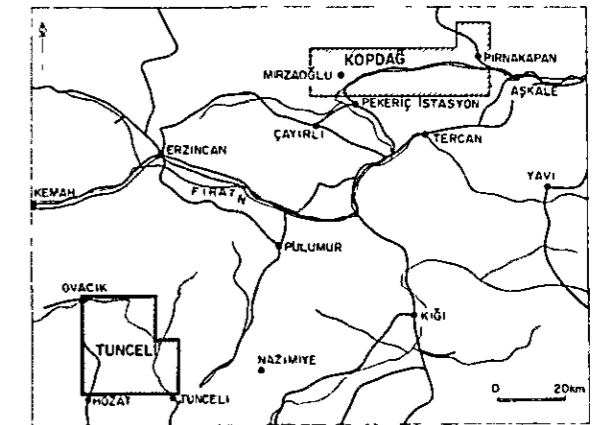


PLI-1

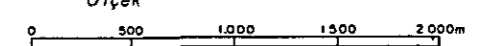
MINERAL RESEARCH AND EXPLORATION INSTITUTE
 GEOLOGICAL SURVEY
 OF
 TUNCELİ AND KOPDAĞ AREA, EASTERN TURKEY
 PHASE I

PRELIMINARY PHOTOGEOLOGICAL MAP OF TUNCELİ AREA
 TUNCELİ BÖLGESİNİN FOTOJEOLOJİK ÖN ÇALIŞMA HARITASI

INDEX MAP



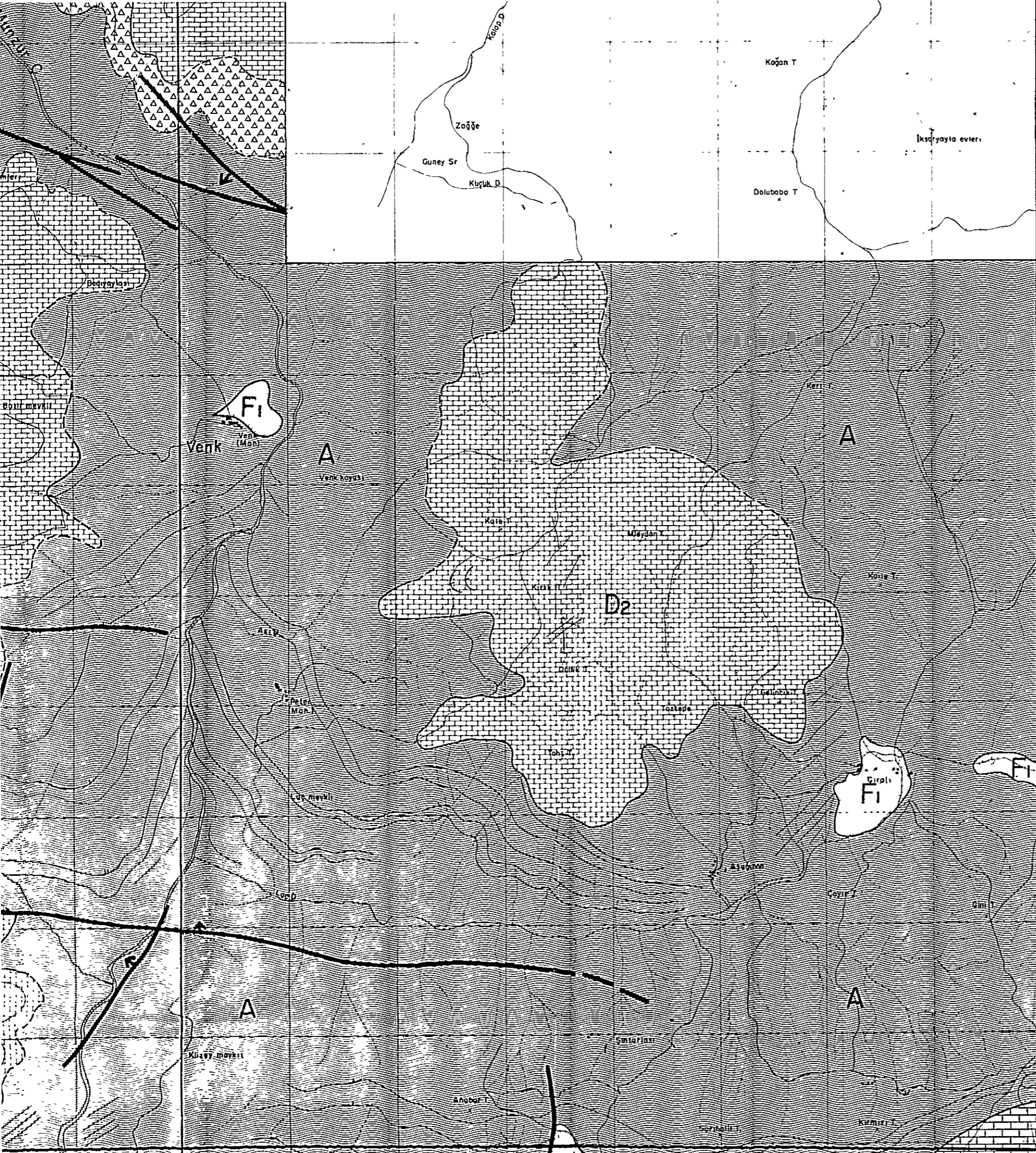
Scale 1:25,000



METAL MINING AGENCY OF JAPAN
 JAPAN INTERNATIONAL COOPERATION AGENCY
 JUNE 1978

LEGEND
 LİJAND

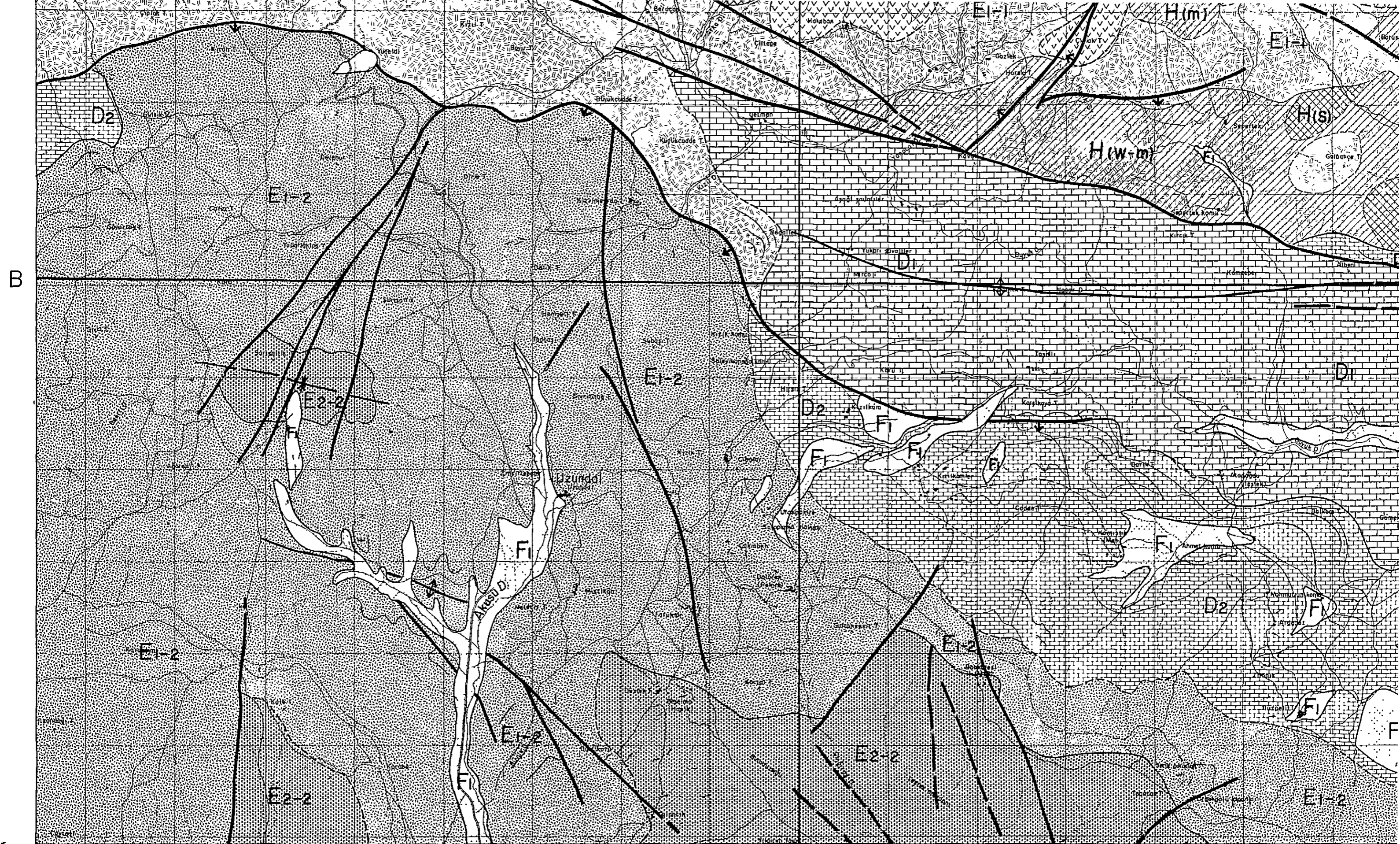
Units Üneler	Symbol Sembol	Probable lithology Muhtemel litoloji
F2		Clastic Klastikler
F1		Clastic Klastikler
I		Acidic/intermediate rocks (intrusive) Asitlik/arakatiklı kayalar (intrüziif-sokulgan)
E3		Intermediate ~ basic pyroclastic rocks with lava Larlı arakatıklı ~ bazik piroklastik kayalar
E2-1		Calcareous rocks with shale and sandstone/limestone with marl Şeyl ve kumtaşlı kalkerli kayalar/limarlı kreçtaş
E1-1		Intermediate ~ basic pyroclastic rocks/intermediate ~ basic lava and pyroclastic rocks Arakatıklı ~ bazik piroklastik kayalar/arakatiklı ~ bazik lar ve piroklastik kayalar



E	E2-1/E22		Calcareous rocks with shale and sandstone/limestone with marl <i>Şevli ve kumtaşı kalkerli kavaçlar/marlı kireçtaşı</i>
	E1-1/E11		Intermediate ~ basic pyroclastic rocks/intermediate ~ basic lava and pyroclastic rocks <i>Arakatlı ~ bazik piroklastik kavaçlar/arakatlı ~ bazik lav ve piroklastik kavaçlar</i>
D	D2		Mainly limestone with clastic rocks <i>Az klastik kavaçlı kireçtaşı</i>
	D1		Calcareous clastic rocks <i>Kalkerli klastik kavaçlar</i>
I	Ib		Serpentine <i>Serpantin</i>
	Ia		Intermediate rock (intrusive) <i>Arakatlı kavaç (intruzif-sokulgan)</i>
C	C2		Clastic rocks <i>Klastik kavaçlar</i>
	C1		Clastic rocks (mainly shale) <i>Klastik kavaçlar (başlıca şevli)</i>
B			Intermediate ~ acidic pyroclastic rocks <i>Arakatlı ~ asitlik piroklastik kavaçlar</i>
A			Low grade metamorphic rocks (mainly marble with pelitic schist) <i>Az metamorfizmaya uğranmış kavaçlar (ekseriya pelitik şistli mermer)</i>
H			Alteration zone (S strong, M medium, W weak) <i>Alterasyon zonu (S kuvvetli orta, zayıf)</i>

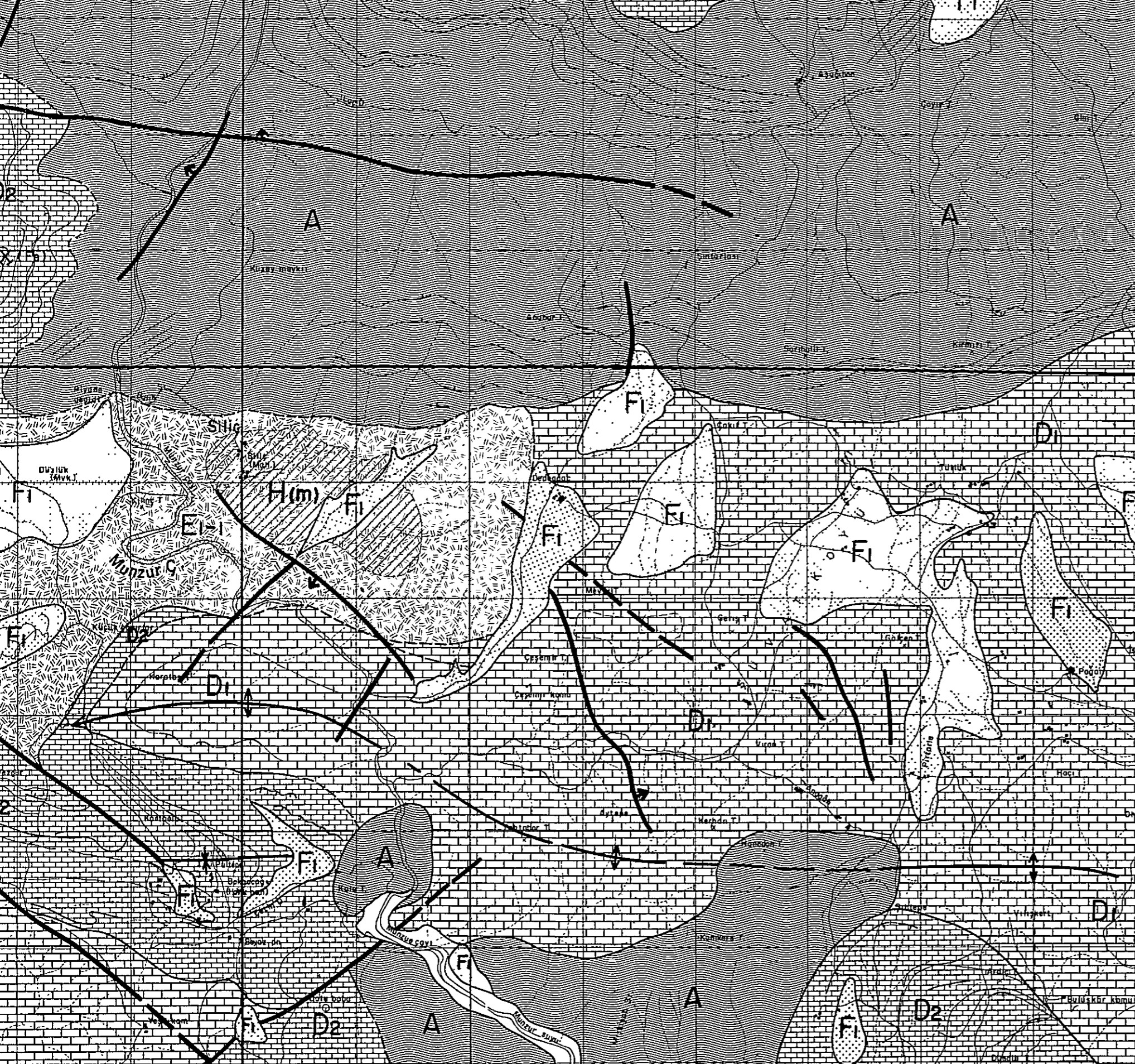
- Bedding trace with short dip slope (gentle, moderate and steep dip)
Havafotoğrafindan çizilmiş kısa unşlı tabakalar (hafif, ortalama ve dik)
- Faults (normal, reversed)
Fay (normal ters)
- Joints
Eklem
- Synclinal axis
Senklinal eksen
- Anticlinal axis
Antiklinal eksen
- Bedding trace, boundary of sub unit (position known, uncertain)
Tabaka çizelgesi alt-ünite sınırı (belirgin belirsiz)
- Boundaries of unit (position known, uncertain)
Ünite sınırları (belirgin belirsiz)
- Mineral occurrence
Maden zuhurları
- Mine
Maden
- Photogeological profile line
Fotojeolojik kesit çizgisi
- Roads
Karavolu
- Drainage
Akarsu
- Spring
Kaynak (su kaynağı)
- Village
Köy
- Top of hill and mountain
Tepe












C





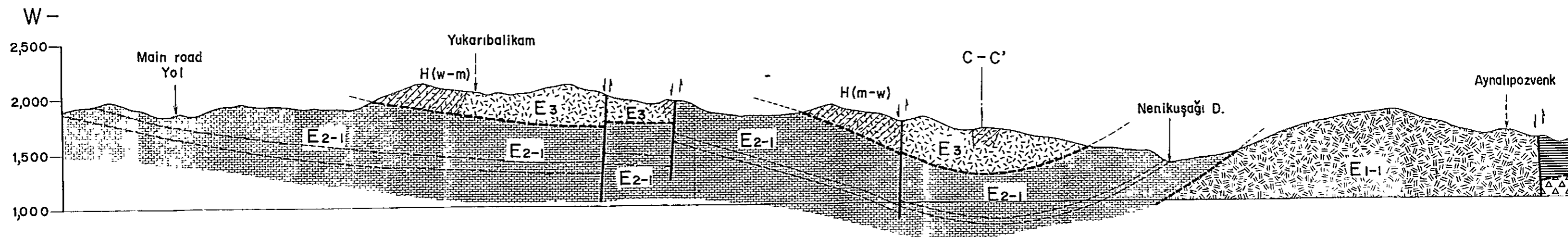
-  Mine
Maden
-  Photogeological profile line
Fotojeolojik kesit çizgisi
-  Roads
Karayolu
-  Drainage
Akarsu
-  Spring
Kaynak (su kaynağı)
-  Village
Kör
-  Top of hill and mountain
Tepe

E

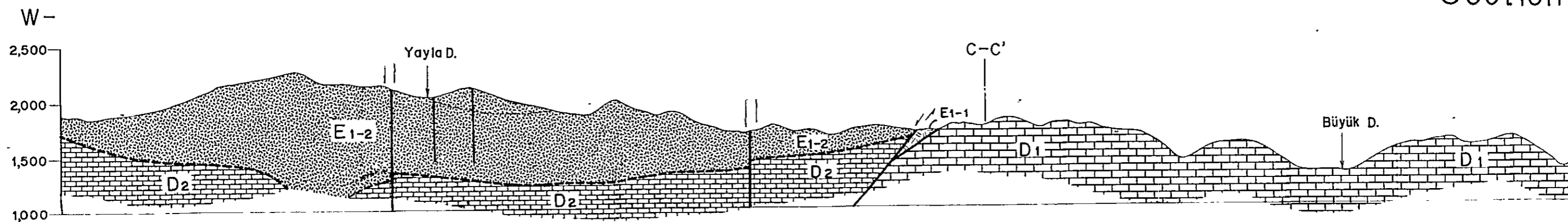
B'



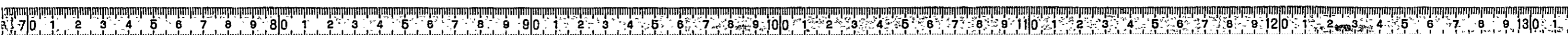
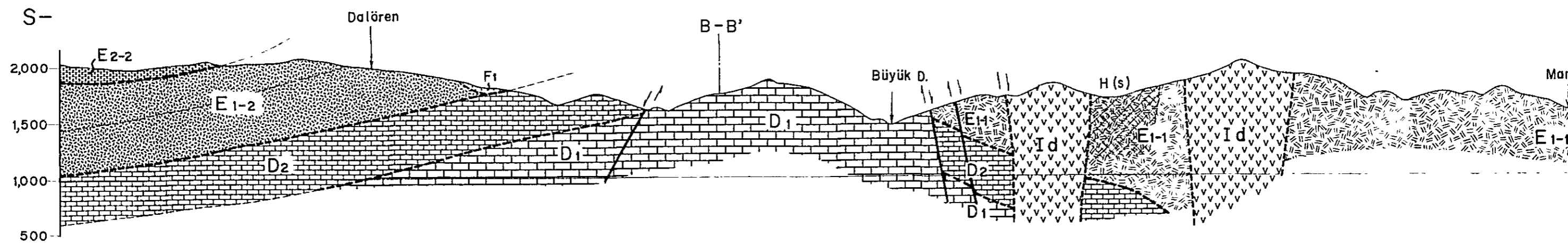
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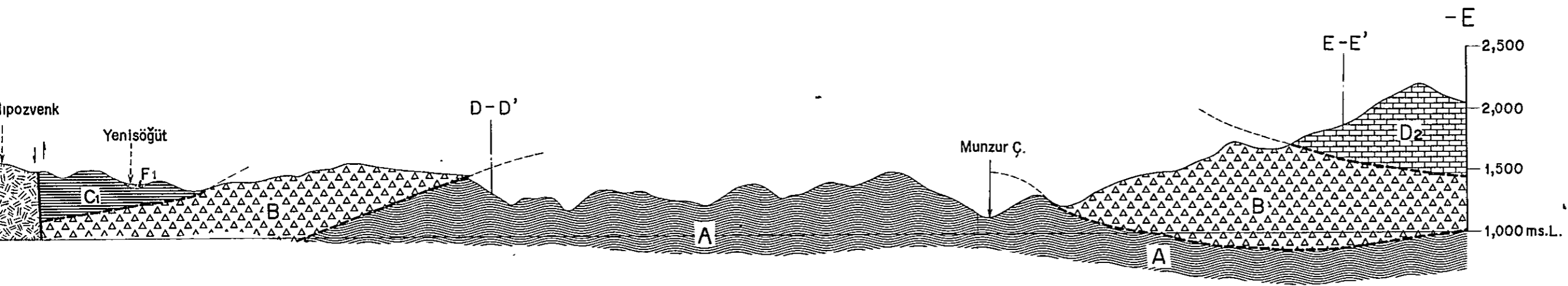
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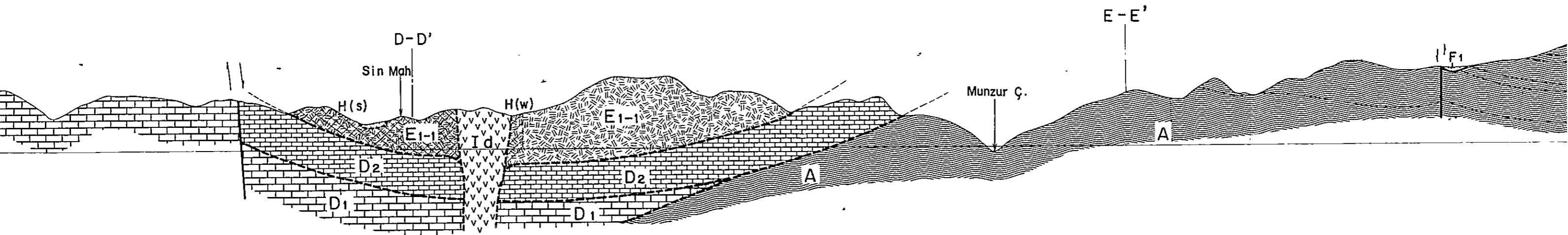
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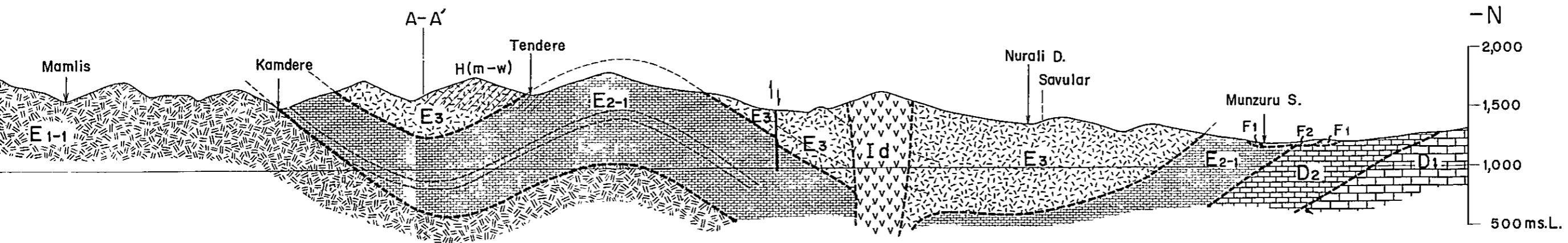
Section A-A'



Section B-B'

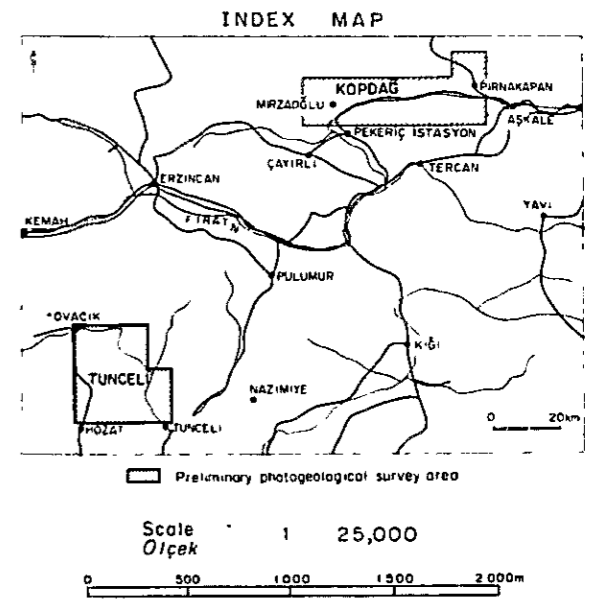


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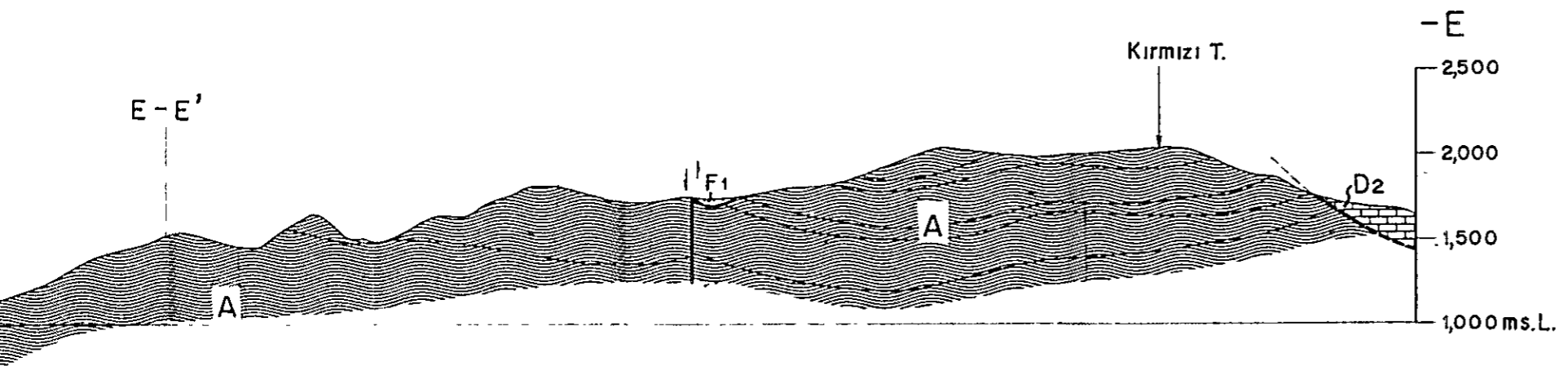
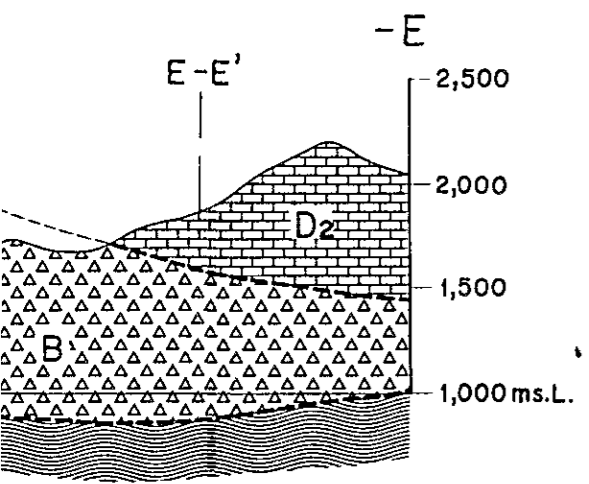


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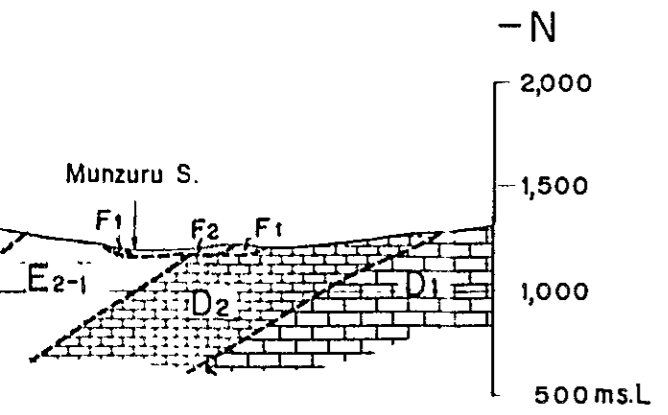


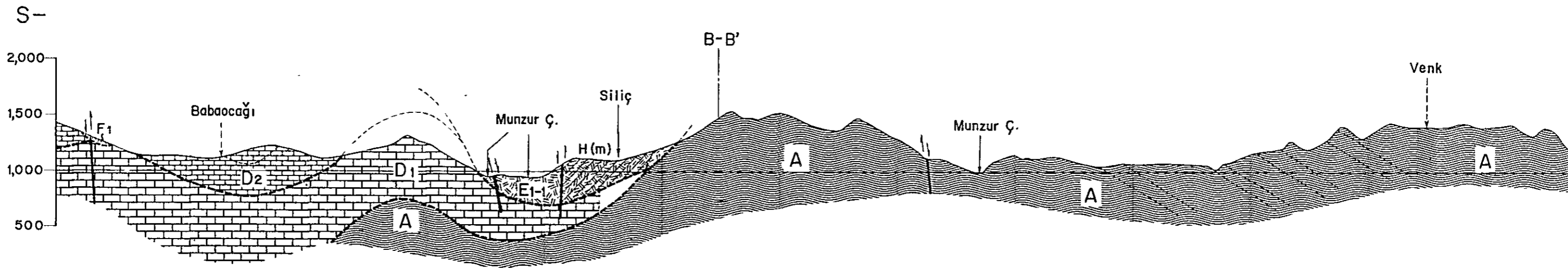
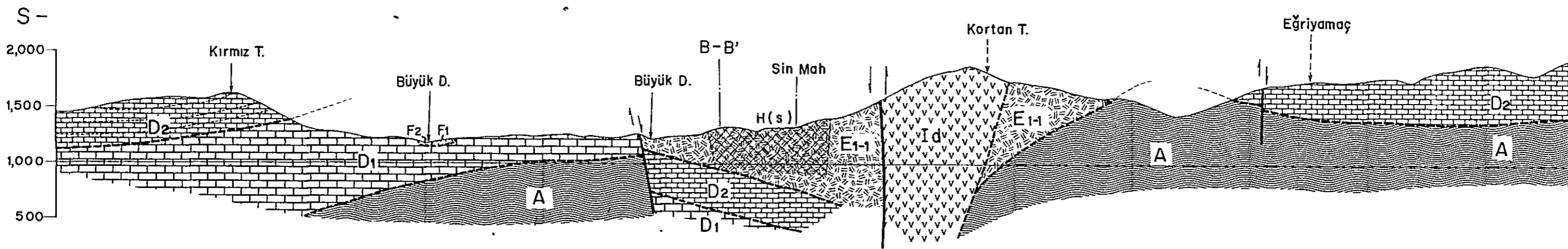
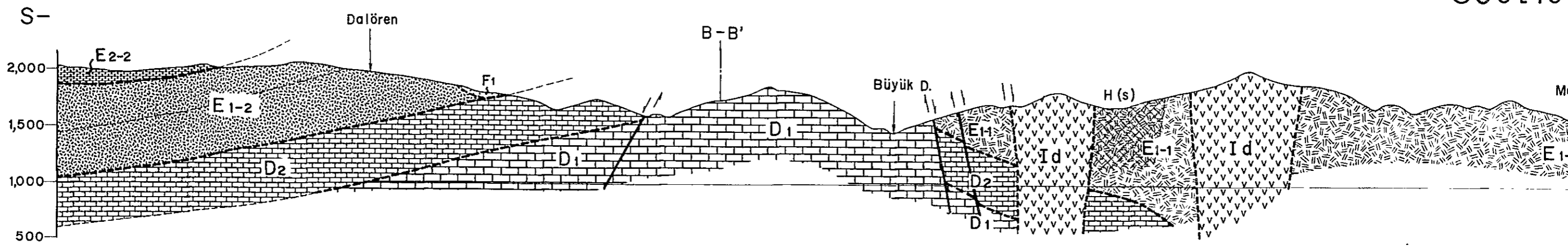
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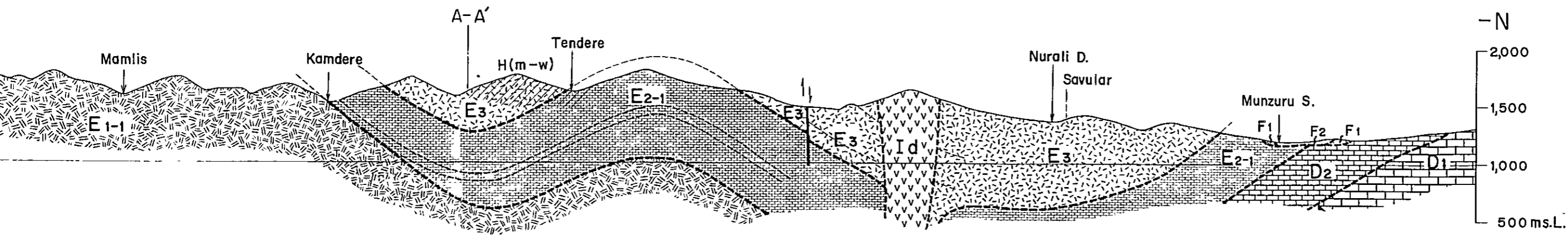
LEGEND
 LİJAND

Units Uniteler	Symbol Sembol	Probable lithology Muhtemel litoloji
F	F2	Clastic Klastikler
	F1	Clastic Klastikler
I	Ic / Id	Acidic/intermediate rocks (intrusive) Asitlik/arakatkılı kayalar (intruzif-sokulgan)
E	E3	Intermediate - basic pyroclastic rocks with lava Lavlı arakatılı - bazik piroklastik kayalar
	E21 / E22	Calcareous rocks with shale and sandstone/limestone with marl Sevli ve kumtaşı kalkerli kayalar/marnlı kireçtaşı
	E1-1 / E1-1	Intermediate - basic pyroclastic rocks/intermediate - basic lava and pyroclastic rocks arakatkılı - bazik piroklastik kayalar/arakatkılı - bazik lav ve piroklastik kayalar

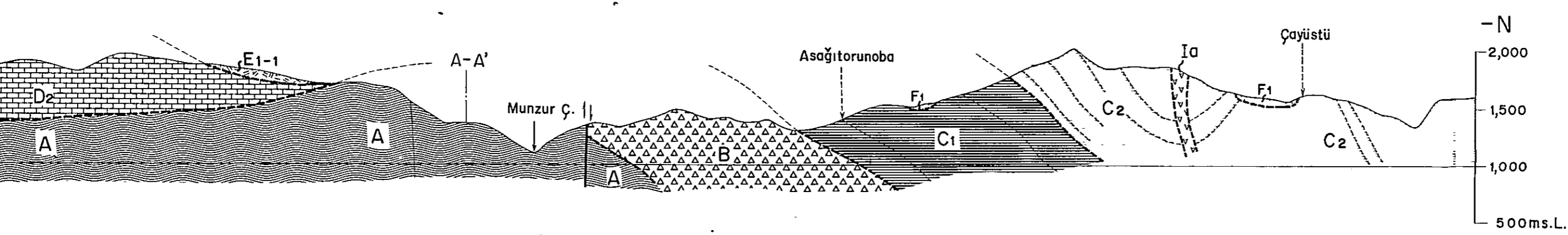




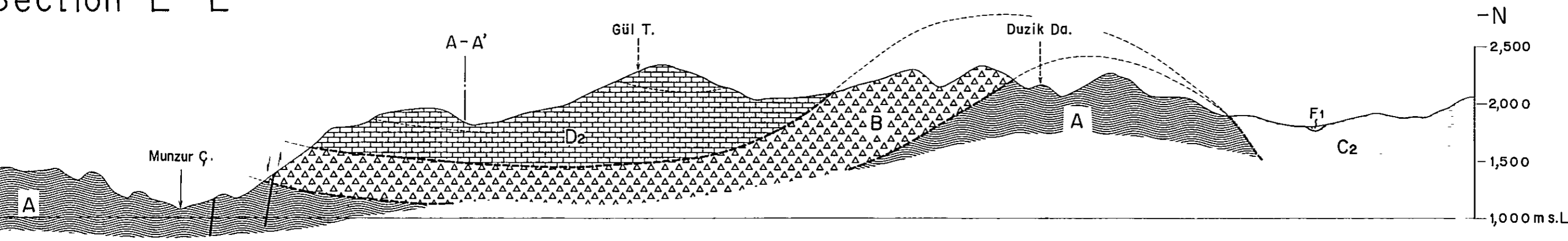
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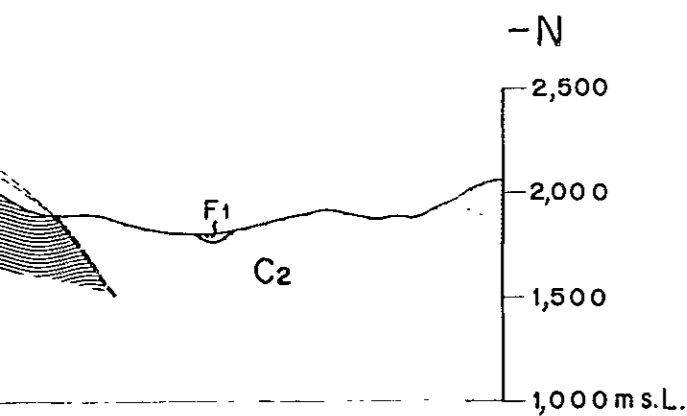
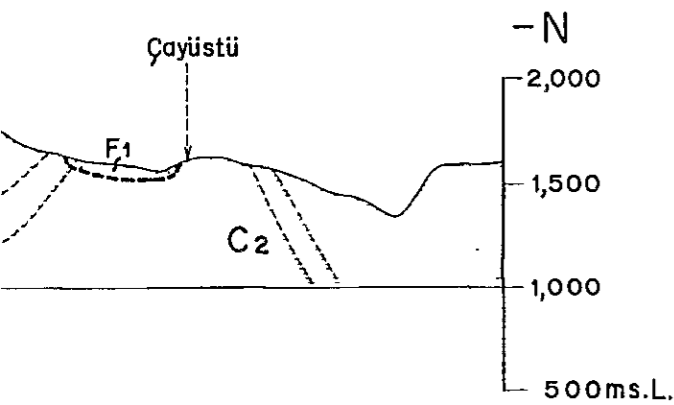
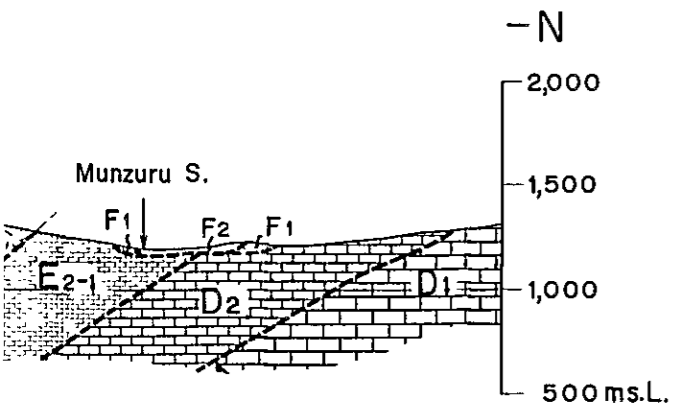


Section D-D'



Section E-E'

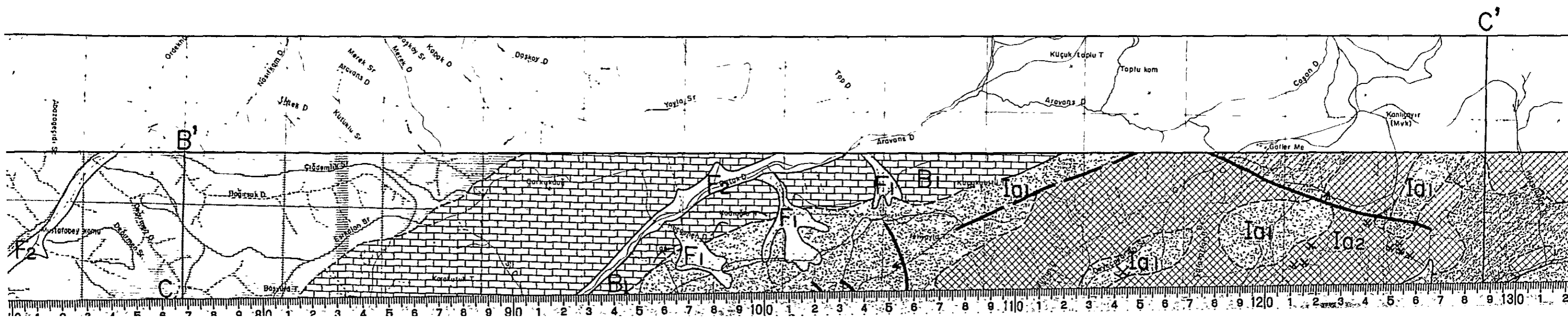
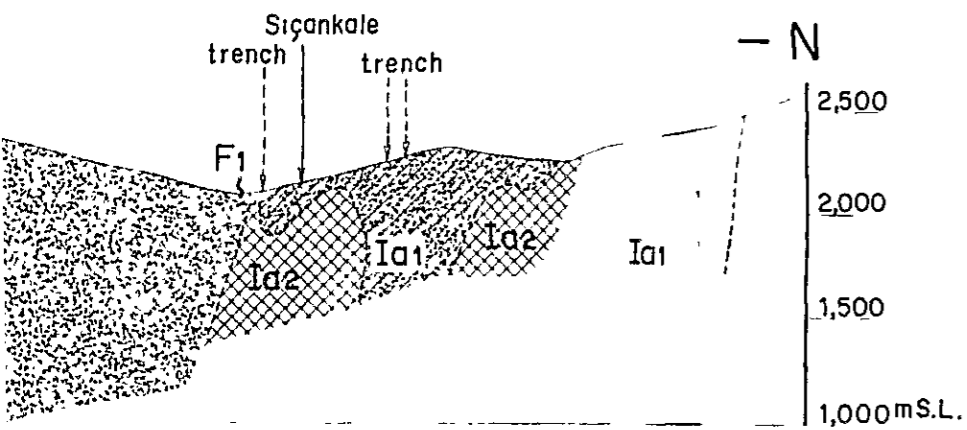
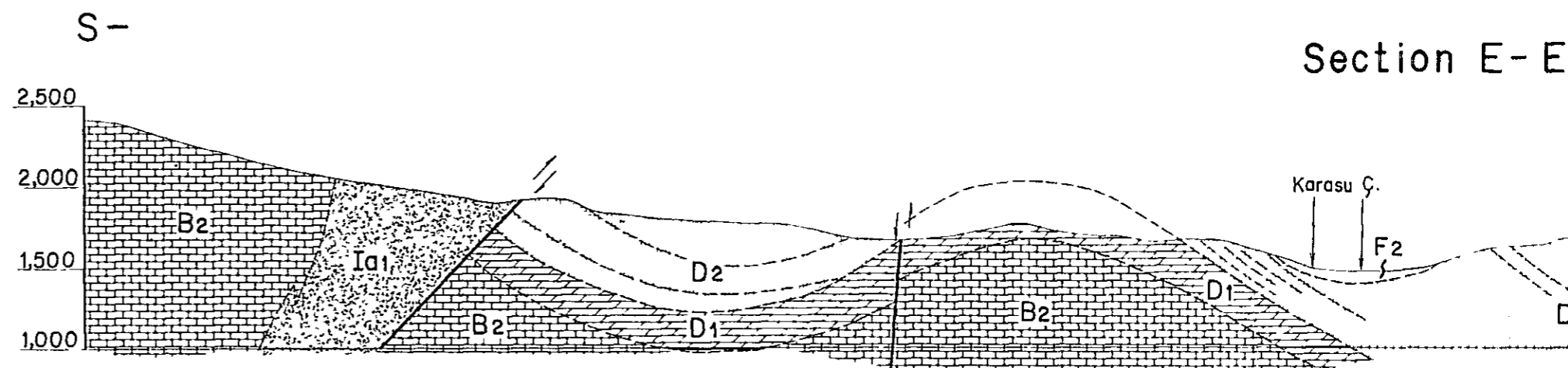
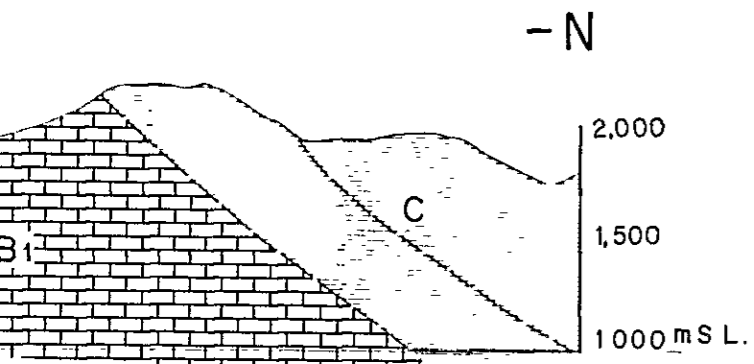
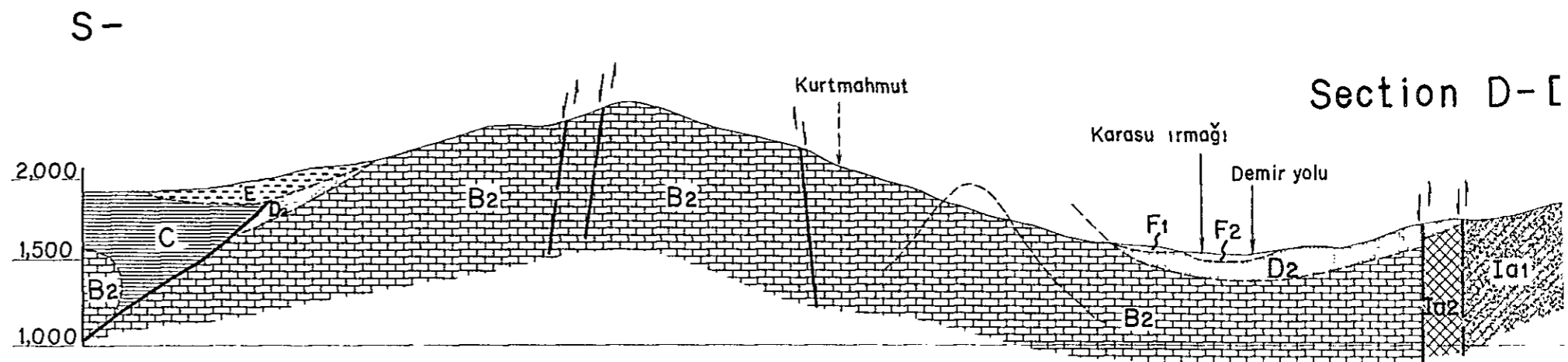
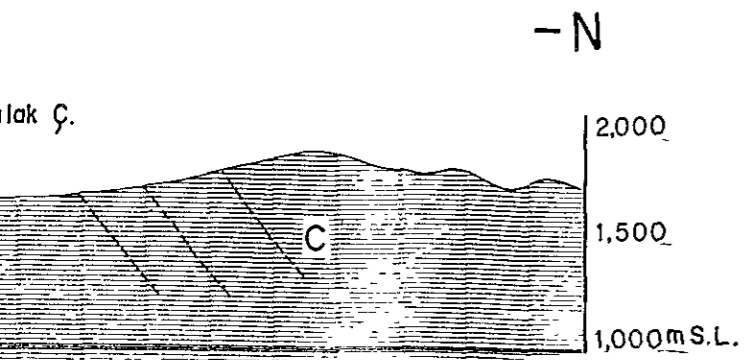




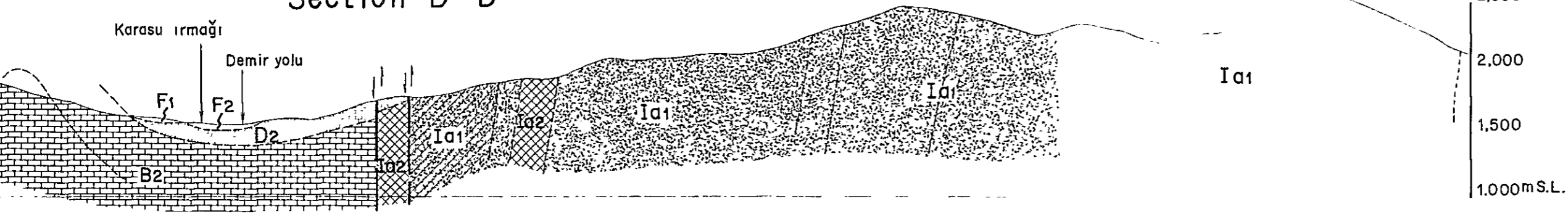
LEJAND

Units Üniteler	Symbol Sembol	Probable lithology Muhtemel litoloji
F	F2	Clastic Klastikler
	F1	Clastic Klastikler
I	Ic	Acidic/intermediate rocks (intrusive) Asitlik/jarakatkılı kayalar (intrüziif-sokulgan)
	Id	Acidic/intermediate rocks (intrusive) Asitlik/jarakatkılı kayalar (intrüziif-sokulgan)
E	E3	Intermediate ~ basic pyroclastic rocks with lava Lavli arakatlı ~ bazik piroklastik kayalar
	E2-1/E2-2	Calcareous rocks with shale and sandstone/limestone with marl Şeyli ve kumtaşı kalkerli kayalar/marilli kireçtaşı
	E1-1/E1-2	Intermediate ~ basic pyroclastic rocks/intermediate ~ basic lava and pyroclastic rocks Arakatlı ~ bazik piroklastik kayalar/jarakatkılı ~ bazik lav ve piroklastik kayalar
D	D2	Mainly limestone with clastic rocks İz klastik kavaçlı kireçtaşı
	D1	Calcareous clastic rocks Kalkerli klastik kayalar
I	Ib	Serpentine Serpantin
	Ia	Intermediate rock (intrusive) Jarakatkılı kayalar (intrüziif-sokulgan)
C	C2	Clastic rocks Klastik kayalar
	C1	Clastic rocks (mainly shale) Klastik kayalar (başlıca şeyli)
B'		Intermediate ~ acidic pyroclastic rocks Arakatlı ~ asitlik piroklastik kayalar
A		Low grade metamorphic rocks (mainly marble with pelitic schist) İz metamorfizmaya uğramış kayalar (ekseriva pelitik şistli mermer)
H		Alteration zone (S strong, M medium, W weak) Alterasyon zonu (kuvvetli, orta, zayıf)

- Fault
Fay
- Bedding trace, boundary of sub unit (position known, uncertain)
Tabaka çizelgeleri, alt-ünite sınırı (belirgin, belirsiz)
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Ünite sınırları (belirgin, belirsiz)
- Mine
Maden
- Photogeological profile line
Fotojeolojik kesik çizgisi



Section D-D'



Section E-E'

