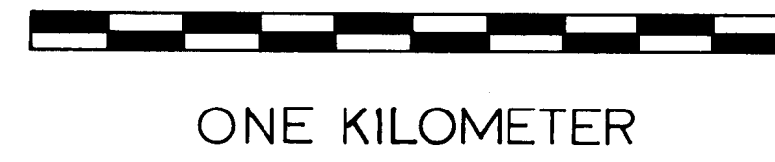


# GEOLOGICAL MAP OF THE SIVRICE AREA, SE TURKEY

APPROXIMATE SCALE 1:10000



## LITHOLOGY

- Q Quaternary alluvium
- MBp Megabreccia derived from Puturge Complex
- MBd Megabreccia derived from Elazig Complex diabase
- MBg Megabreccia derived from Elazig Complex metagabbro
- MBm Megabreccia derived from Maden Complex
- MB<sub>pm</sub> Megabreccia derived from Puturge Complex and Maden Complex

### MADEN COMPLEX (Middle Eocene)

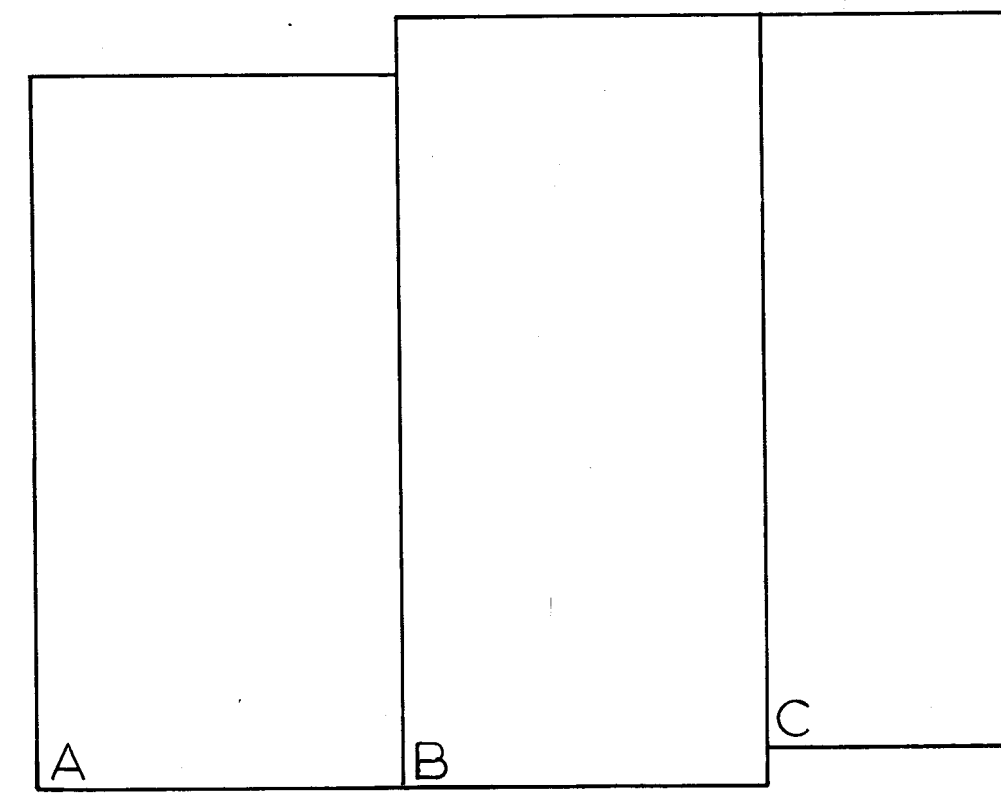
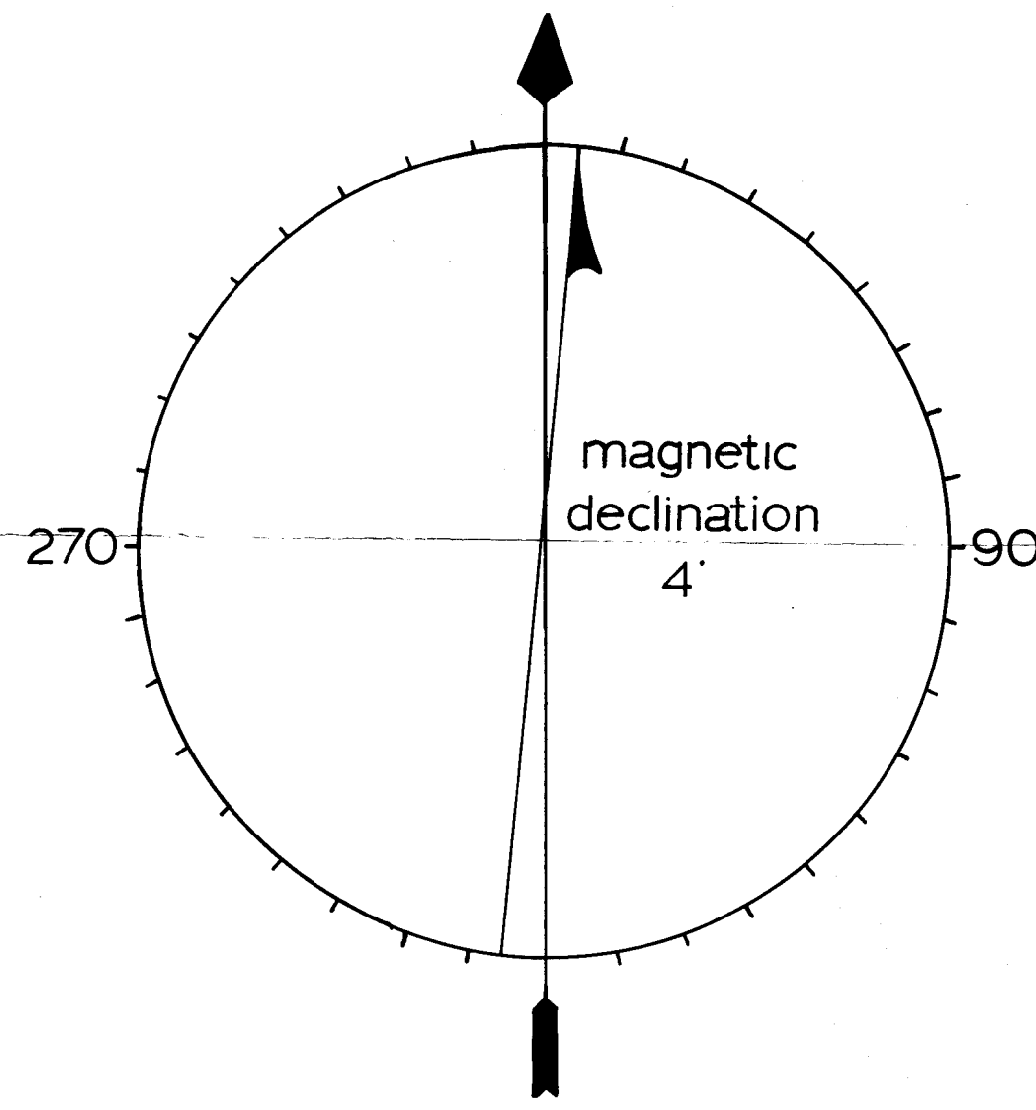
- Mu Undifferentiated volcanoclastic facies
- Mv Volcanic facies
- Md Mudstone facies
- Mp Pelagic limestone facies
- Mc Calcirudite facies
- Mb Basal conglomerate facies
- Mm Massive limestone facies

### ELAZIG COMPLEX (Maastrichtian)

- Ea Ea<sub>p</sub> Andesite Unit  
Ea - undifferentiated    Ea<sub>c</sub> - volcanoclastics  
Ea<sub>p</sub> - pyroclastics    Ea<sub>v</sub> - volcanics
- Eb Basalt Unit
- Ed Diabase Unit
- Em Metagabbro Unit
- d diorite intrusions

### PÜTÜRGE COMPLEX (pre-Eocene)

- Pm Pm<sub>r</sub> Metapelite Unit    Pm<sub>r</sub> - recrystallized limestone  
Pm - metapelite    Pm<sub>c</sub> - chlorite-rich metapelite
- Pr Recrystallized limestone Unit
- Pq Metaquartzite Unit
- Pq+Mu Mixed and brecciated Puturge Complex and Maden Complex



MAP PLATES

## STRUCTURAL SYMBOLS

- Lithologic contact; dashed where inferred; queried where uncertain
- Boundary of megabreccia zone
- Large oblique-slip fault; dashed where inferred; queried where uncertain
- Small oblique-slip fault; dashed where inferred; queried where uncertain
- Thrust fault; dashed where inferred; queried where uncertain
- Bedding, overturned bedding
- Vertical bedding, horizontal bedding
- Normal fault
- Cleavage (slaty or fracture); vertical cleavage
- Cleavage plus bedding
- Pencil cleavage
- First-generation foliation; foliation plus bedding
- Second-generation foliation
- Lineation
- First-generation fold axis
- Kink band axis
- Slickensides, including striae
- Second-generation fold axis
- Dominant joint
- Pillows
- Diabase dike
- Siliceous dike (including andesite)
- Gouge zone
- Quartz vein

## OTHER MAP SYMBOLS

- Stream
- Cold spring
- High point
- Dwelling
- Road
- Railroad
- Outcrop

GEOLOGY BY MARK HEMPTON. FIELD WORK CONDUCTED  
DURING 1979(July-October), 1980(July-September), AND 1981  
(June-October).