72-186

U. S. Geological Survey
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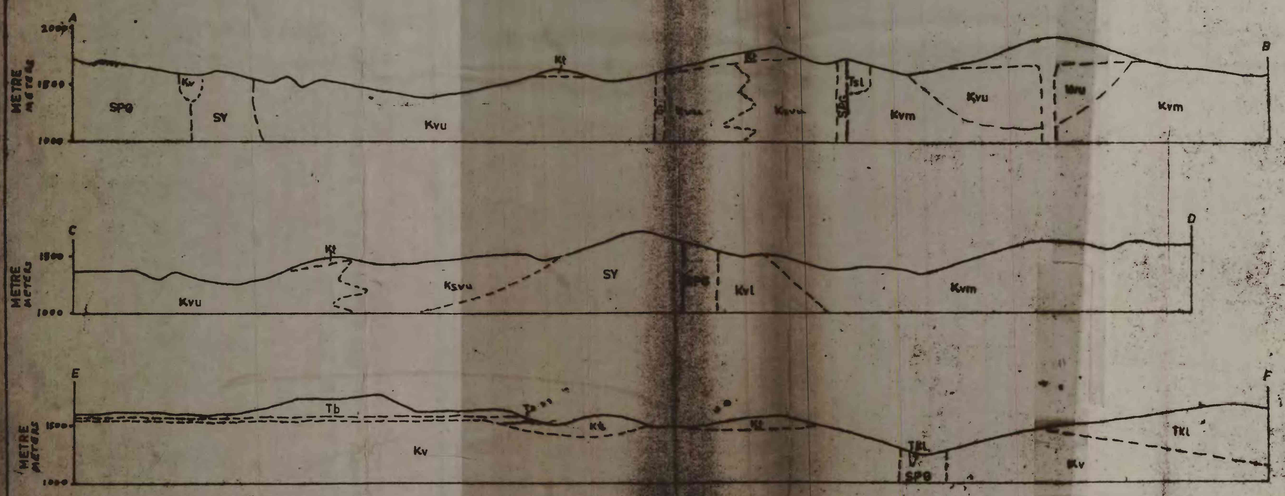
This map is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.

JUR



ÖLÇEK (Scale) 1: 25 000

METRE (Meters)

ÇİZENLER (Mapped by):

Herbert S. Jacobson – USGS
and Zeki Kendiroğlu, Celil Özdemir, Osman Önder, Nafiz Gürel — M.T.A

İZAHAT — Explanation

SEDİMANTER, VOLKANİK ve METAMORFİK KAYAÇLAR
Sedimentary, volcanic and metamorphic rocks

TERSİYER *Tertiary*

- OLİVİN BAZALT VE MAFİK DAYKLAR — *Olivine basalt and mafic dikes* — Tb
- DEĞİŞMEMİŞ — *Undifferentiated*
  - ÜST KONGLOMERA — *Upper conglomerate* — Ts
  - ORTA ANDEZİT — *Middle andesite* — Tm
  - ALT KIRMIZI TABAKALAR — *Lower red beds* — TKl
- TERSİYER-SEDİMANTER-VOLKANİK SIRALARI — *Tertiary sedimentary-Volcanic sequence*
- METAMORFİZE OLMUŞ MASİF KALKER — *Metamorphosed massive limestone* — TKm
- ALT TERSİYER ve ÜST KRETASE KALKERİ — *Lower Tertiary and Upper cretaceous limestone* — Tk

ÜST KRETASE *Upper cretaceous*

- TRAKİT — *Trachyte* — Kt
- METASOMATİZE MAFİK KAYAÇLAR — *Metasomatised mafic rocks* — Kvm
- DEĞİŞMEMİŞ — *Undifferentiated*
  - ÜST BAZALT, TÜF, ANDEZİT — *Upper basalt, tuff, andesite* — Kvu
  - ORTA TÜF, SEYL, KALKER, LAVA — *Middle tuff, shale, limestone, lava* — Kvl
  - ALT KONGLOMERA, TÜF, LAVA — *Lower conglomerate, tuff, lava* — Ksvu
- BAZİK VOLKANİK ve SEDİMENTER SIRALAR — *Basic volkanic and sedimentary sequence*

İNTRUSİF KAYAÇLAR
Intrusive rocks

ÜST KRETASE *Upper cretaceous*

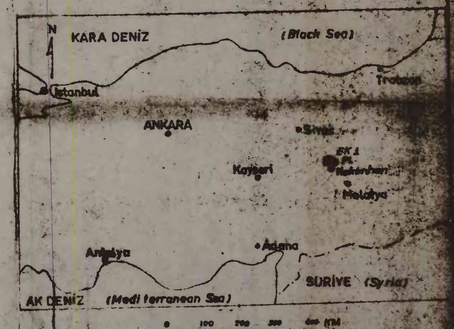
- SİYENİT — *Syenite* — Ks
- GABRO — *Gabbro* — Kg
- SERPANTİNİT, PERİDOTİT, GABRO — *Serpentinite, peridotite and gabbro* — Ksp

- DEMİROKSİT DAMARLARI ve DİSSEMİNASYONLAR — *Iron oxides in veins and dissemination* — Fe
- MASİF DEMİR OKSİT — *Massive iron oxides*

MADEN ve MÜMKÜN MADEN ZUHURLARI — *List of mines and prospects*

- Fe 1 KIRMIZI TEPE
- Fe 2 – SİVRİTEPE (2 m)
- Fe 3 – KARAKUZ MADEN (mine)
- Fe 4 – KURUCAGÖL TEPE
- Fe 5 – ÇATALLI TEPE
- Fe 6 – DEVECİ MADENİ (mine)

- DAYK – *Dike*
- 13 TABAKALARIN DOĞRULTU ve EĞİMLERİ – *Strike and dip of beds*
- 75 EKLEMLERİN " " " – *Strike and dip of joints*
- DÜSEY EKLEMLER – *Vertical joints*
- FAYLARIN DOĞRULTU ve EĞİMLERİ – *Strike and dip of faults*
- MUHTEMEL KONTAK – *Inferred contact*
- MUHTEMEL FAY – *Inferred fault*
- SENKLİNAL EKSENİ – *Synclinal axis*
- Fe DEMİR MADENİ veya MÜMKÜN MADEN ZUHURLARI – *Iron mine or prospect*
- KÖY – *Village*
- YOL – *Road*
- YAZ YOLU – *Dry weather road*
- DEMİR YOLU – *Rail road*
- TOPOGRAFİK KONTUR (YÜKSEKLİKLER METRE OLARAK) *Topographic contour (elevation in meters)*
- KONTURLAR ARASI 50 METRE
  Contour interval 50 Meters



ORTA ANADOLU (TÜRKİYE) ARAŞTIRMA SAHALARINI GÖSTERİR HARİTA
Index map of central Anatolia (Turkey) showing area investigated

TÜRKİYE HEKİMHAN HASANÇELEBİ DEMİR BÖLGESİ JEOLOJİK HARİTA ve KESİTLERİ

GEOLOGIC MAP AND SECTIONS OF THE HEKİMHAN-HASANÇELEBİ IRON DISTRICT TURKEY