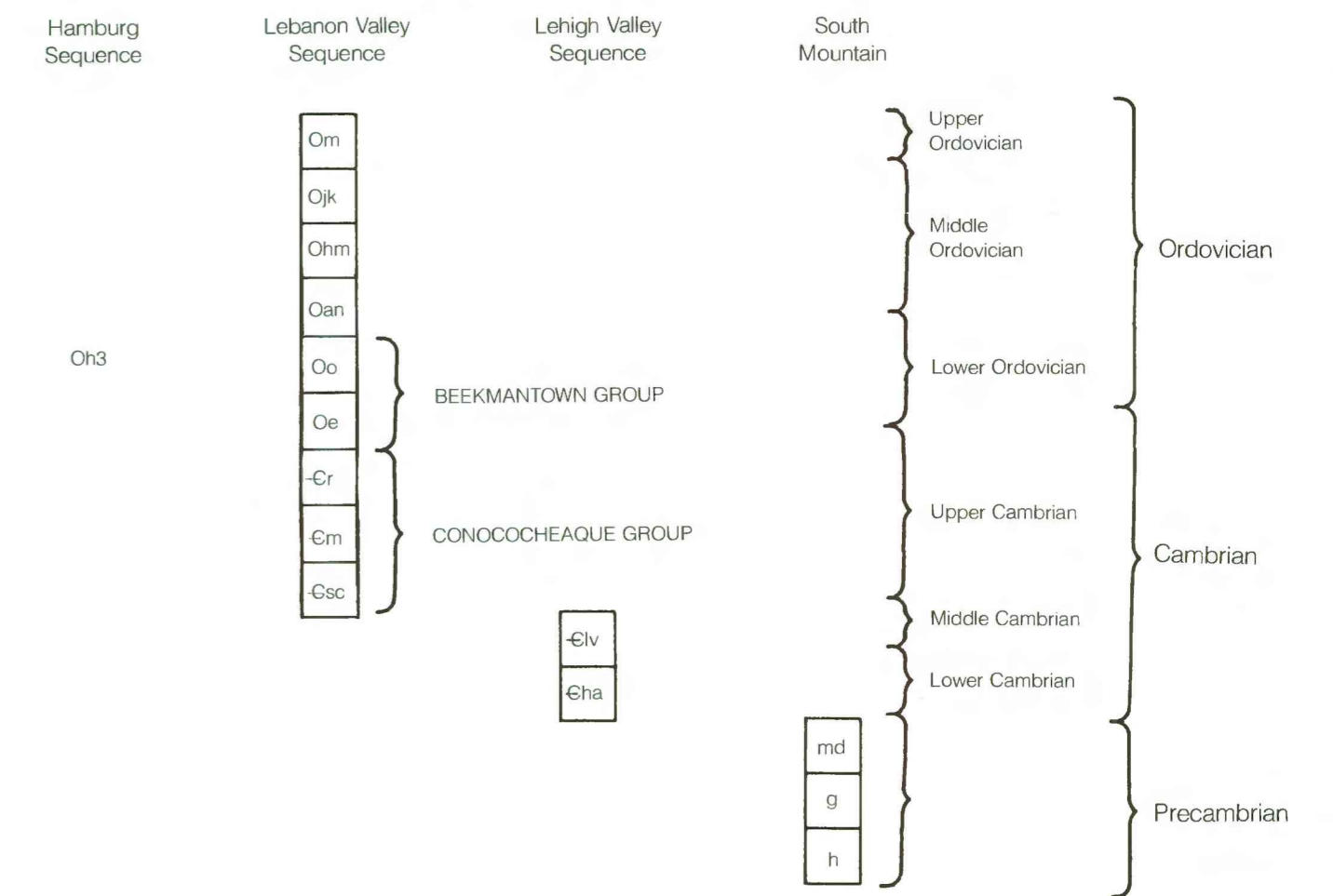


EXPLANATION

- Geologic contact; approximately located.
- Fault showing apparent movement. U, upthrown side; D, downthrown side. Accuracy not defined.
- Fault showing relative movement. Accuracy not defined.
- Thrust fault; bars on upper side of plate. Accuracy not defined.
- Well and identification number.

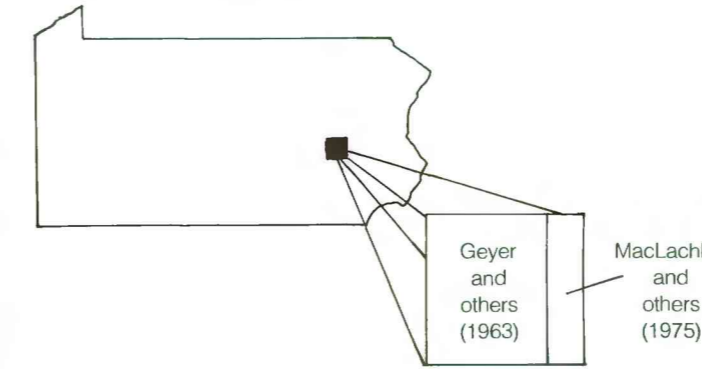
CORRELATION OF MAP UNITS



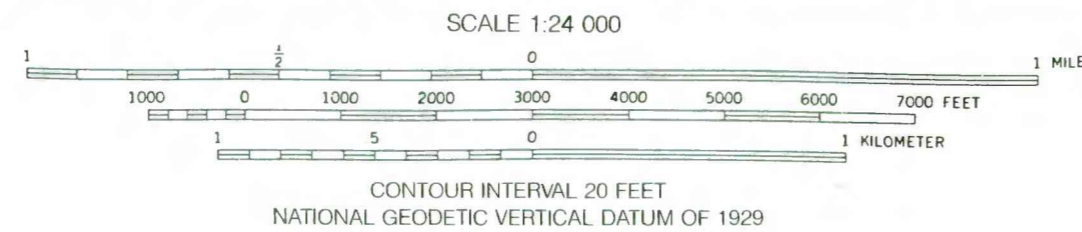
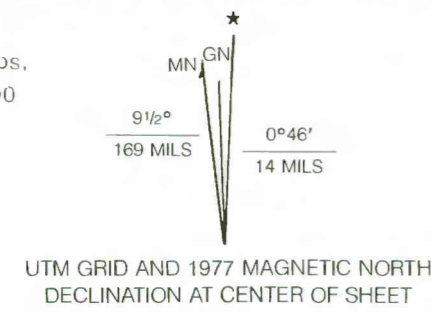
DESCRIPTION OF MAP UNITS

- MARTINSBURG FORMATION--Thin-bedded, dark-gray, slaty to phylitic shale, calcareous at base. Median yield of domestic wells is 13 gallons per minute.
  - JACKSONBURG LIMESTONE--Dark-gray argillaceous limestone having shaly cleavage. Thick bedded, weathers to buff-colored chips.
  - HERSHEY AND MYERSTOWN LIMESTONES. Undivided--Hershey is dark-gray to black, thin-bedded argillaceous limestone. Myerstown is medium- to dark-gray platy limestone.
  - ANNVILLE LIMESTONE--Light-gray, finely-crystalline, thick-bedded, high calcium limestone.
  - HAMBURG SEQUENCE, Lithotectonic unit 3. Interbedded shale and red siltstone, shale and olive siltstone, minor beds of chert and quartzitic sandstone.
- BEEKMANTOWN GROUP
- ONTELAUNEE FORMATION--Light- to dark-gray, very finely- to medium-crystalline dolomite with interbeds of light-gray limestone. Some wells will yield 1,000 gallons per minute or more.
  - EPLER FORMATION--Light-gray limestone interbedded with dark-gray dolomite. Chert nodules also present. Median yield is 275 gallons per minute for nondomestic wells and 10 gallons per minute for domestic wells.
- CONOCOCHEAQUE GROUP
- RICHLAND FORMATION--Gray dolomite interbedded with medium-gray limestone. In part oolitic and dark-gray oolitic chert. Excellent aquifer. Median yield is 150 gallons per minute for nondomestic wells and 20 gallons per minute for domestic wells.
  - MILLBACH FORMATION--Pink to gray finely-laminated limestone and interbedded finely-crystalline dolomite.
  - SNITZ CREEK FORMATION--Thick-bedded medium- to coarsely-crystalline dolomite with sandstone interbeds.
  - LEITHSVILLE FORMATION--Medium- to dark-gray crystalline dolomite with considerable chert in lower part, shaly in upper part. Nondomestic wells yield up to 300 gallons per minute.
  - HARDYSTON QUARTZITE--Quartzose and feldspathic sandstones and quartzites. Quartz-pobble conglomerate at base. Nondomestic wells yield up to 60 gallons per minute.
  - METADIABASE DIKES--Dark-gray, fine-grained intrusive. Locally unit has greenish color.
  - GRANITE GNEISS--Light, medium grained, predominately quartz and feldspar of igneous origin. Yields of wells are very low.
  - HORNBLende GNEISS--Dark colored and medium grained. May include rocks of sedimentary origin. Yields of wells are very low.

LOCATION OF AREA AND INDEX TO SOURCES USED FOR GEOLOGIC MAP COMPILATION (Some revisions to sources were made by author)



Base from U.S. Geological Survey Topographic Maps, Womelsdorf and Sinking Spring Quadrangles, 1:24,000



Hydrology by L.D. Cecil, 1987