



**Generalized geologic map of the crystalline rocks in central Maryland, southern Pennsylvania, and Delaware.**

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**EXPLANATION**

- Coastal plain sedimentary rocks (Cretaceous and younger)
- Unconformity
- Newark Group (Jurassic and Triassic) and related diabase intrusions.
- Unconformity
- Metasedimentary rocks of uncertain age
- Metigneous rocks; relative age uncertain
- Peach Bottom Slate and Cardiff Metaglomerate undivided (as used by Crowley, 1976)
- Sams Creek Formation
- Wakefield Marble
- Wissahickon Group of Crowley (1976): wfd, diamictite; wms, metagraywacke; wqs, quartz schist; wps, pelitic schist; "Marburg" and "Octoraro schists" (of local usage), and Urbana and Jamsville Phyllites; wfu, undifferentiated flysch sequence
- Intermediate to felsic plutonic and meta-volcanic rocks, including "Norbeck Quartz Diorite," "Georgetown Mafic Complex," "Kensington Quartz Diorite," and "Guilford Quartz Monzonite" (of local usage)
- Silver Run Limestone
- Cockeyville Marble
- uf, ultramafic to felsic plutonic and meta-volcanic rocks, including Baltimore Complex, James Run Formation, Fort Deposit Gneiss, and "Aberdeen Metagabbro," "Relay Quartz diorite," and "Ellicott City Granodiorite" (of local usage); um, ultramafic rocks
- Setters Formation: s, undivided; sg, garnet schist member
- Unconformity
- Baltimore Gneiss and related basement gneisses (Precambrian), with minor intrusive rocks of Paleozoic age

- Sedimentary and volcanic rocks of known age
- Cocalico Shale (Ordovician)
- Carbonate rocks (Ordovician and Cambrian); includes Vintage, Kinzers, Ledger, Waynesboro, Elbrook, Tomstown, and Conestoga Formations, and Conococheague and Beekmantown Groups
- Chilhowee Group and related clastic rocks (Cambrian and Upper Precambrian); includes Chickies (with its Hellam Member), Wewerton, Harpers, and Antietam Formations
- Catoctin Formation (Upper Precambrian)

- Structure symbols
- Contact, based on conventional geologic mapping; dotted where concealed
- Contact, inferred from aeromagnetic maps
- Thrust fault; bars on hanging wall
- High-angle fault



Magnetic contours  
 Showing total intensity magnetic field of the earth in gammas relative to an arbitrary datum. Main magnetic field of the earth, from Fahnestock and Piddie (1969) has been removed. Contour interval 100 gammas.  
 For sources of aeromagnetic data, see index map on Plate 1