

Catoctin Metabasalt

Catoctin Metabasalt - Thick-bedded metabasalt with amygdaloidal layers and secondary veins of quartz, calcite, and epidote; interbedded green tuffaceous phyllite and blue amygdaloidal metaandesite.

State: Maryland

Name: Catoctin Metabasalt

Geologic age: Late Precambrian

Original map label: pCc

Comments: Age of Catoctin Formation changed to Late Proterozoic and Early Cambrian based on isotopic age of 570 +/-36 Ma (Badger and Sinha, 1988). (see USGS Geologic Names lexicon [ref. MD005])

Primary rock type: meta-basalt

Secondary rock type: phyllite

Lithologic constituents

Major

Metamorphic > Metaigneous > Metavolcanic > Metabasalt

Thick-bedded metabasalt with amygdaloidal layers and secondary veins of quartz, calcite, and epidote

Minor

Metamorphic > Metasedimentary > Metaclastic > Phyllite [green tuffaceous phyllite]

Metamorphic > Metaigneous > Metavolcanic > Metaandesite [blue amygdaloidal metaandesite]

Map Reference

Cleaves, E.T., Edwards, J., Jr., Glaser, J.D., 1968, Geologic Map of Maryland: Maryland Geological Survey, Baltimore, Maryland, scale 1:250,000.

Unit References

□ Cleaves, E.T., Edwards, J., Jr., Glaser, J.D., 1968, Geologic Map of Maryland: Maryland Geological Survey, Baltimore, Maryland, scale 1:250,000.

□ Unpublished digital version of the Maryland state geologic map that was digitized by the USGS Water Resources Office in Towson, MD

□ USGS Geologic Names Lexicon (GEOLEX)

[<http://ngmdb.usgs.gov/Geolex/>]

Counties: Frederick and Washington

Outcrop Location: I-70 and Arch Bridge/Ridge Road, Braddock, MD

Outcrop Coordinates: 39.4442693, -77.5000698