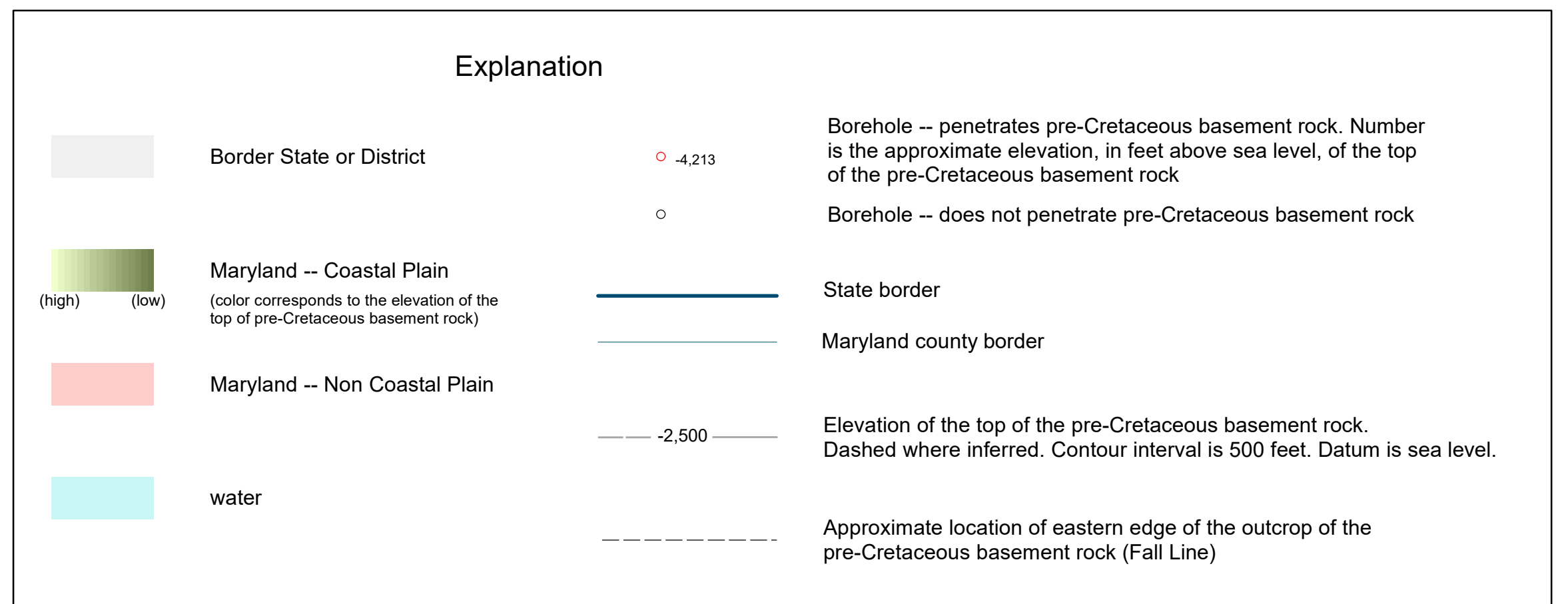


Approximate Elevation of pre-Cretaceous Basement Rock Beneath Coastal Plain Deposits in Maryland

This map represents a reorganization of select borehole data into a format compatible with GeMS (Geologic Map Schema), as established by the U.S. Geological Survey National Cooperative Geologic Mapping Program. Borehole data are chiefly derived from the Maryland Geological Survey Maryland Coastal Plain Aquifer Information System (Andreasen et al., 2013), with additional lithologic data from Maryland Geological Survey Report of Investigations No. 44 (Hansen and Edwards, 1986). The complete digital geologic map and associated geodatabase are available for download at the Maryland Geological Survey homepage.

References

Andreasen, D., Staley, A., and Achmad, G., 2013, Maryland Coastal Plain Aquifer Information System: Hydrogeologic Framework: Maryland Geological Survey Open-File Report 12-02-20, 121 p.
Hansen, H. and Edwards Jr., J., 1986, The Lithology and Distribution of Pre-Cretaceous Basement Rocks Beneath the Maryland Coastal Plain: Maryland Geological Survey Report of Investigations 44, 27p.
Federal Geographic Data Committee [prepared for the Federal Geographic Data Committee by the U.S. Geological Survey], 2006, FGDC Digital Cartographic Standard for Geologic Map Symbolization: Reston, Va., Federal Geographic Data Committee Document Number FGDC-STD-013-2006, 290 p., 2 plates.
NASA Jet Propulsion Laboratory, 2014, NASA Shuttle Radar Topography Mission United States 1 arc second, Version 3. NASA EOSDIS Land Processes DAAC, USGS Earth Resources Observation and Science (EROS) Center, Sioux Falls, South Dakota (<https://lpdaac.usgs.gov>)
U.S. Bureau of the Census, 2017, Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB): Washington D.C., U.S. Bureau of the Census, 2017.
U.S. Geological Survey National Cooperative Geologic Mapping Program, 2020, GeMS (Geologic Map Schema)—A standard format for the digital publication of geologic maps: U.S. Geological Survey Techniques and Methods, book 11, chap. B10, 74 p.



State of Maryland
Larry Hogan
Governor

Boyd K. Rutherford
Lieutenant Governor

Department of Natural Resources
Jeannie Haddaway-Riccio
Secretary

Maryland Geological Survey
Richard A. Ortt, Jr.
Director



Use constraint: The Maryland Geological Survey makes no warranty, express or implied, as to the use or appropriateness of the data and there are no warranties of merchantability or fitness for a particular purpose or use. The Maryland Geological Survey makes no representation as to the accuracy or completeness of the data and may not be held liable for human error or defect. Data are only valid at 1:500,000 scale. Data should not be used at a scale greater than that.

The facilities and services of the Maryland Department of Natural Resources are available to all without regard to race, color, religion, sex, sexual orientation, age, national origin, or physical and mental disability.

Acknowledgements: This map was funded by the United States Geological Survey (USGS) National Geologic and Geophysical Data Preservation Program (NGGDPP), under USGS award number G20AP00119.