December 31, 2025

GeMS Transmittal Letter for the Bedrock and Surficial Geologic Map of Garrett and Allegany Counties, Maryland

1. Full bibliographic citation for the published map.

Brezinski, D.K., Vincett, III, W.K., and Kavage Adams, R., 2025. Bedrock and Surficial Geologic Map of Garrett and Allegany Counties, Maryland. Maryland Geological Survey, County Geologic Map, GAAL2025.1.1, scale 1:100,000.

1. URL to its NGMDB Product Description Page.

New mapping/publication, not yet listed in the NGMDB Map Catalog.

1. Is the GeMS database considered to be:

New mapping/publication, not yet listed in the NGMDB Map Catalog.

1. URL where users may access the GIS files from the State Survey site.

MGS publications page: <http://www.mgs.md.gov/publications/maps.html>

1. Indicate whether GeMS level One, Two, or Three

Level 3

1. High-resolution PDFs of published map and other oversize sheets.

PDF included in map folder.

1. High-resolution PDFs of published report or pamphlet accompanying the map.

N/A

1. Describe, in a sentence or two, any significant deviations from the full GeMS compliance as revealed by the GeMS Validate Database tool and the Geologic Names Check tool. If the deviation was necessary to address agency or science needs for this publication, please so indicate; this insight could help guide future GeMS development.

Deviations from the GeMS Validate Database Level 3 compliance are: additional As Needed fields within the feature class DataSourcePolys. Symbol and Label fields were added to this feature class. Multiple stratigraphic units were lumped into composite units for mapping at this scale. The Monongahela Group was not recognized as a formal unit in the state of Maryland, whereas this group-level recognition was used at the 100,000 scale in Brezinski, D.K., and Conkwright, R.D. 2013. Geologic Map of Garrett, Allegany, and western Washington Counties, Maryland. Maryland Geological Survey, WMD2013.1.2, scale 1:100,000. Additionally, the Marcellus Shale was not recognized as formation-level (without being part of a recognized group) by the GeologicNames check, and was previously used in the aforementioned Brezinski and Conkwright, 2013 publication, as well as Brezinski, D.K., Kavage Adams, R., and Connallon, C.B., 2021. Geologic Map of Frederick and Washington Counties, Maryland. Maryland Geological Survey, County Geologic Map, FRWA2021.1.1, scale 1:100,000. The GeologicNames check also did not recognize the Reedsville Formation as present in Maryland. This unit is in the subsurface only and is undifferentiated with the Martinsburg Formation. Regional differences in nomenclature and mapping result in these formations being undivided in the map area. FieldID in the feature class OrientationPoints corresponds to an informational key to various field note documentation, data source OrientationPoints or Stations feature classes, or to mappers field data collections.