

# COLORADO GEOLOGICAL SURVEY

## Open-file Report OF-22-16D

### Digital Compilation of Surficial and Bedrock Geology of the Montrose 30x60 Minute Quadrangle, Gunnison, Hinsdale, Montrose, Ouray, and San Miguel Counties, Colorado (Data)

#### CITATION

Broes, Lauren D. "OF-22-16D Digital Compilation of Surficial and Bedrock Geology of the Montrose 30x60 Minute Quadrangle, Gunnison, Hinsdale, Montrose, Ouray, and San Miguel Counties, Colorado (Data)." *Geologic, Digital. Open File Report*. Golden, CO: Colorado Geological Survey, December 2022. <https://doi.org/10.58783/cgs.of2216.mlmo5116>. CGS Publications. <https://coloradogeologicalsurvey.org/publications/geology-montrose-quadrangle-gunnison-hinsdale-san-miguel-ouray-colorado-data>.

#### HOW TO USE THIS ZIP FILE

To open the compressed (.zip) file that you downloaded, double-click on the file. Inside the folder labeled **OF-22-16D**, there are a number of files and folders. Some files are stored in HTML (.html); Text (.txt); Excel (.xlsx); and XML (.xml) formats. These all relate to the main Geographic Information Systems (GIS) data that comprise this package. These data are in ESRI's Shapefile and Geodatabase formats.

#### HOW TO IDENTIFY AND READ FILES

##### REPORT DOCUMENTS

- **OF-22-16D-Read\_Me.pdf**  
*This file*
- **OF-22-16D GIS\_Data folder**
  - OF\_22\_16D\_Montrose\_Bedrock\_Database Folder  
*Contains Geodatabase, Shape, Layer, GeMS metadata, and font files*
  - OF\_22\_16D\_Montrose\_Bedrock-open Folder  
*Contains OPEN shapefile version of bedrock database*
  - OF\_22\_16D\_Montrose\_Surficial\_Database Folder  
*Contains Geodatabase, Shape, Layer, GeMS metadata, and font files*
  - OF\_22\_16D\_Montrose\_Surficial-open Folder  
*Contains OPEN shapefile version of surficial database*

##### To view .xml files

These files, when selected should open automatically in your web browser of choice.

## To view GIS files

GIS files may be viewed using Geographic Information Systems software packages such as ESRI's ArcGIS platform. Included are Geodatabases, Shapefiles and layer files of the geologic elements. Within ArcGIS, it may be necessary to reset the "data source" on layer files to ensure proper viewing. Metadata is associated with both the Geodatabase feature classes and the Shapefiles and is best viewed using the Metadata tab in ESRI's ArcCatalog.

Alternatively, these files may be viewed using QGIS, a free and open-source GIS software package, available for download at <https://download.qgis.org/>. An OPEN shapefile version of the dataset is also included. It consists of shapefiles, DBF files, and delimited text files and retains all information in the native geodatabase, but some programming will likely be necessary to assemble these components into usable formats.

This GIS package follows the [USGS Geologic Map Schema Standard \(GeMS\)](#) database design. More information about this critical information resource and the standards it incorporates may be found on the [USGS National Geologic Map Database \(NGMDB\)](#) site.

For further information or assistance, contact the Colorado Geological Survey at:

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