

COLORADO GEOLOGICAL SURVEY  
**Open-file Report OF-21-01**  
**Geologic Map of the Barnesville Quadrangle**  
**Weld County, Colorado**

## 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-21-01**, there are a number of files and folders. Some files are stored in Adobe Portable Document (.pdf) format. Geographic Information Systems (GIS) data are also included. These data are in ESRI's Shapefile and Geodatabase format.

## HOW TO IDENTIFY AND READ FILES

### REPORT DOCUMENTS

- **OF-21-01-Read\_Me.pdf**  
*This file*
- **OF-21-01 Barnesville Plate 1 - Geologic map.pdf**  
*Includes geologic map and list of map units*
- **OF-21-01 Barnesville Plate 2 - xsection correlation oblique.pdf**  
*Includes correlation of map units, geologic cross section, geologic history, stratigraphy, Carbon-14 dates, and 3D oblique view of geologic map*
- **OF-21-01-GIS\_Data folder**  
*Contains Geodatabase, Shape, Layer, and font files*

### To view .pdf files

If you don't already have Adobe Reader installed on your device, visit <https://get.adobe.com/reader/> to download a free version of the software. Then, start Adobe Reader and choose "File," "Open," and locate the .pdf files where you downloaded them, they will open in Adobe Reader.

### 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/>.

The 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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**COLORADO GEOLOGICAL SURVEY**  
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