COLORADO GEOLOGICAL SURVEY

Open-file Report OF-18-01
Geologic Map of the Frederick Quadrangle
Weld and Broomfield Counties, 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-18-01**, 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 Geodatabase format.

HOW TO IDENTIFY AND READ FILES

REPORT DOCUMENTS

- **OF-18-01-Read_Me.pdf**
  This file

- **OF-18-01 Frederick Plate 1 - Geologic map.pdf**
  Includes geologic map, radiocarbon and OSL age dates, and list of surficial and bedrock map units

- **OF-18-01 Frederick Plate 2 - xsection correlation oblique.pdf**
  Includes correlation of map units, geologic cross section, geologic history, stratigraphy, discussion of mineral resources, groundwater, and geologic hazards, references, and 3D oblique view of geologic map

- **OF-18-01 GIS_Data folder**
  Contains Geodatabase, XML metadata, MXD, font files, and Open Shapefile version 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:

Colorado Geological Survey / Colorado School of Mines
1801 Moly Street, Golden, CO 80401
(303) 384-2655 / CGS_Pubs@mines.edu
https://coloradogeologicalsurvey.org/