

**COLORADO GEOLOGICAL SURVEY**  
**Open-file Report OF-05-03**  
**Geologic Map of the South Half of the Culebra Peak Quadrangle**  
**Costilla and Las Animas 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-05-03**, 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-05-03-Read\_Me.pdf**  
*This file*
- **OF-05-03 Culebra Peak Plate 1 - Geologic map.pdf**  
*Includes geologic map and list of map units*
- **OF-05-03 Culebra Peak Plate 2 - xsection correlation oblique.pdf**  
*Includes correlation of map units, geologic cross section, and 3D oblique view of geologic map.*
- **OF-05-03 Culebra Peak Authors Notes.pdf**  
*Description of Map Units, Stratigraphy, Structure, Economic Geology, Geologic Hazards and Engineering Constraints, and Water Resources*
- **GIS\_Data folder**  
*Contains Geodatabase, Shape, Layer, ArcReader, 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. An ArcGIS 10.3 Geodatabase is included in the GIS\_Data\ArcReader\data folder and can only be viewed with ArcGIS 10.3 or later version. Shapefiles are located in the GIS\_Data\Shapefiles folder and can be viewed with most GIS software packages. The Layer files associated with the Shapefiles can only be used in ESRI's ArcGIS 10.3 or later version. 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 ESRI's free ArcReader 10.3 or newer utility. Download the free

software at <http://esri.com/software/arcgis/arcreader/download.html>. Start ArcReader and choose "File," "Open," and navigate to the *OF-05-03-Culebra-Peak.pmf* document located in the GIS\_Data\ArcReader\pmf\ folder. For more help on using ArcReader, choose "Help," "ArcReader Help," or download appropriate literature from [http://www.esri.com/software/arcgis/arcreader/.](http://www.esri.com/software/arcgis/arcreader/)

### **Important Note**

In order for the geology map labels to view correctly ArcGIS , the *aaaGeology.ttf* font must be installed. Windows operating environments allow you to right-click on the font file name, and choose "install." In older operating systems, copy the font file from the GIS\_Data\font folder to the Windows system fonts folder, usually located in C:\Windows\Fonts.

For further information or assistance visit or call the Colorado Geological Survey at:

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