

**COLORADO GEOLOGICAL SURVEY**  
**Open-file Report 03-04 (OF-03-04)**  
**Published Faults of the Colorado Front Range**

## **INTRODUCTION**

This publication consists of a map plate with the associated GIS shapefiles of published faults for the Front Range, Colorado. Faults were compiled from existing, published maps. Original or second source hard-copy maps were scanned, georeferenced, and the faults were digitized using ESRI's ArcMap 8.1. Sources of the fault data are located in the associated metadata files for each coverage. The purpose of this publication is to provide interested parties with fault data that may be used for scientific research, land-use planning, geologic hazards investigations, and other areas where tectonics may be important.

## **ACKNOWLEDGEMENTS**

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## **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-03-04**, there are a number of files and folders. Some files are stored in Adobe Portable Document Format (.pdf). Those .pdf files may be accessed using the free Adobe Reader Utility available at <https://get.adobe.com/reader/>

Geographic Information Systems (GIS) data are also included. These data are in ESRI's Shapefile and Geodatabase format. The files may be accessed using GIS software such as ESRI's ArcGIS or the free ArcReader utility available at <http://esri.com/software/arcgis/arcreader/download.html>.

## **HOW TO IDENTIFY AND READ FILES**

This publication includes the following files:

- **OF-03-04-Read\_Me.pdf**
- **OF-03-04-plt1.pdf**  
*Geologic fault map and list of map units*
- **OF-03-04-rpt.pdf**  
*Published Faults of the Colorado Front Range Report*

- **GIS\_Data** folder

*Contains shapefiles and metadata of selected faults, cities, quadrangle boundaries, and a shaded relief georeferenced tiff image*

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. If you wish to print the report you can do so using "File," "Print."

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 versions. 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 versions. 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 Johnstown.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/>.

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

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