

COLORADO GEOLOGICAL SURVEY

Open-file Report OF-06-02

Rockfall Hazard Susceptibility in Evergreen Jefferson County, Colorado

The Colorado Geological Survey (CGS) worked with Jefferson County planners to develop a Geographical Information System (GIS) coverage for potential rockfall hazard areas in 2004. The scope of the project was to map potentially hazardous rockfall areas within the Evergreen Community Plan area in Jefferson County and provide these mapped zones in digital GIS format to the Jefferson County Planning Department. This publication includes a map of the GIS data and a description explaining the hazard, mapping methodology, and implications to development in the area. The project was funded by the Colorado Department of Emergency Management, Jefferson County, and CGS.

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-06-02**, 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-06-02-Read_Me.pdf**
This file
- **OF-06-02 Evergreen Plate 1 - map.pdf**
Includes Overview, Background, Methodology, Mapping Results, Development Considerations and Mitigation, Limitations, and References
- **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-06-02-Evergreen.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/>.

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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