

Description of Digital Files for *Surficial geologic map of a Calico Mountains piedmont and part of Coyote Lake, Mojave Desert, San Bernardino County, California*

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Introduction

The U. S. Geological Survey Open-File Report 2006-1090 is a digital geologic data set that maps and describes the Quaternary geology of portions of USGS 7.5-minute quadrangles Coyote Lake, Yermo, Alvord Mountain West, and Harvard Hill, California. These maps and databases are part of the nation-wide digital geologic map coverage being developed by the National Cooperative Geologic Map Program of the U.S. Geological Survey (USGS). This document describes the types and contents of files comprising the database. Information on how to extract and plot the map also is provided.

Digital Open-File Contents

This Open-File Report consists of three digital packages. The first is the Documentation Package, which consists of this file in text and Adobe Portable Document Format (PDF), a Portable Document Format (PDF) file of the pamphlet (which includes a more detailed description of map units), FGDC metadata for the report in text and html formats, and possibly a revision list. The second is Digital Database Package, which contains the geologic map database itself and associated metadata. For those interested in the geology of the map area that use an ARC/INFO-compatible (Environmental Systems Research Institute, www.esri.com) Geographic Information System (GIS), we have provided the map as a personal geodatabase, shapefiles, and the associated style file. The third package is the Plot file Package, which contains an on-screen viewable or printable image of the geologic map created from the database in Adobe Acrobat PDF (<http://www.adobe.com/>) format (see Plot file Package sections below). Although the plot file represents much of the information in the database, cartographic representation is complicated by the use of long map unit labels and narrow aspect ratio polygons. Those who have computer capability can access the plot file packages in any of the three ways described below (see the section Obtaining the Digital Database and Plot file Packages). However, the plot file packages do require zip utilities to access the plot files. Therefore, additional software, available free on the Internet, may be required to use the plot files (see Zip files section).

Those without computer capability can obtain plots of the map files through USGS plot-on-demand service for digital geologic maps (see section Obtaining plots from USGS Open-File Services) or from an outside vendor (see section Obtaining plots from an outside vendor).

Note: Filenames used in this report are based on combinations of the Open-File Report number, followed by an underscore, followed by the number of the package, followed by an alphabetic character denoting the part of that package, followed by a ".", and a three or four digit file extension. For example, for a text file of the metadata part of the

documentation package (package number 1) in Open-File Report OF99_999 (a fictitious report number) a file would be named of099_999_1a.txt

Documentation Package

The Documentation Package includes descriptions of this report, including instructions on how to get the report, data formats and content. It consists of 3 parts, a “Read Me” text description (this file), FGDC compliant metadata describing the report, and a revision list, if any, that lists any revisions made to this report. This documentation package contains the following:

ReadMe_of06-1090.txt	a text file of the report text (this file)
ReadMe_of06-1090.pdf	a PDF file of the report text (this file)
of06-1090_pamphlet.pdf	a PDF file of the pamphlet to accompany the map including geologic interpretation, figures, and a description of map units
of06-1090_1a.txt	a text file of FGDC compliant metadata for the personal geodatabase
of06-1090_1a.html	an HTML file of FGDC compliant metadata for the personal geodatabase
of06-1090_1b.txt	a text file of FGDC compliant metadata for the feature dataset
of06-1090_1b.html	an HTML file of FGDC compliant metadata for the feature dataset
of06-1090_1c.txt	a text file of FGDC compliant metadata for the geodatabase arcs
of06-1090_1c.html	an HTML file of FGDC compliant metadata for the geodatabase arcs
of06-1090_1d.txt	a text file of FGDC compliant metadata for the geodatabase polygons
of06-1090_1d.html	an HTML file of FGDC compliant metadata for the geodatabase polygons
of06-1090_1e.txt	a text file of FGDC compliant metadata for the geodatabase samples
of06-1090_1e.html	an HTML file of FGDC compliant metadata for the geodatabase samples

Digital Database Package

The database package includes geologic map database files for the map area. The digital maps are in the form of ESRI's© ArcGIS. The ArcGIS personal geodatabase, shapefiles, and style file included in the database are described below:

ESRI© File -----	Description -----
of06-1090_2a.mdb	Quaternary geologic units, faults, depositional and erosional contacts, lacustrine features, rock units, and sample locations in the study area
shapefiles -----	Description of Shapefiles -----
of06-1090_2b.shp	Arcs of contacts for Quaternary geologic units and rock units, faults, and lacustrine features
of06-1090_2c.shp	Polygons of Quaternary geologic units and rock units in the quadrangle
of06-1090_2d.shp	Location and description of samples
style file -----	Description of style file -----
of06_1090_2b.style	Colors and patterns for LTYPES and PTYPES

The database package also includes the text files of FGDC compliant metadata for this report.

Plot file Package

For those interested in the geology of the map area that don't use an ARC/INFO compatible GIS system, we have included a separate data package of printable maps created from the database. Because this release is primarily a digital database, the plot files (and plots derived from) have not been edited to conform to U.S. Geological Survey cartographic standards. The map image is 31 by 52 inches and requires a large plotter to produce paper copies at the intended scale. The technical context of the map has undergone scientific review. The map images were created using a technique that composites the geologic map with the U.S. Geological Survey Digital Raster Graphic (DRG) for the map area, but the 'collar' information contained in the DRG was not presented on the geologic map.

The file of06-1090_3a.pdf is a PDF format file containing an image of the geologic map, at a scale of 1:24,000. The size of the map is 31 by 52 inches when printed at the map scale.

Zip files

The digital database packages described above are stored in a zip file. A zip, or winzip, compression utility is required to extract the database from the zip file. This utility operates under UNIX, Windows, and Macintosh operating systems, and can be obtained

free of charge over the Internet from Internet Literacy's Common Internet File Formats Web page (<http://www.matisse.net/files/formats.html>). The zip algorithm may also be uncompressed with decompression programs, available free of charge over the Internet via links from the USGS Public Domain Software page (<http://edc.usgs.gov/geodata/public.html>).

Obtaining the Digital Database and Plot file Packages

The digital data can be obtained in two ways:

- a. From the USGS Web Pages
- b. Sending a CDR with request
- c. Contacting USGS Open-File Services

To obtain zip files of database or plot file packages from the USGS web pages:

The U.S. Geological Survey web site is located at: <http://www.usgs.gov>

The direct URL to the web page for this report is:

<http://pubs.usgs.gov/of/2006/1090>

To obtain zip files of database or plot file packages on CDROM:

Database files, the PDF plot file, and related files can be obtained by sending a recordable compact disk (CDR) with request and return address to:

Calico Mountains Piedmont and Coyote Lake, California Database
c/o Database Coordinator
U.S. Geological Survey
345 Middlefield Road, MS 973
Menlo Park, CA 94025

Do not omit any part of this address!

NOTE: Be sure to include with your request the exact names, as listed above, of the zip files you require. An Open-File Report number is not sufficient, unless you are requesting both the database package and plot file package for the report.

Obtaining plots from USGS Open-File Services

The U.S. Geological Survey will make plots on demand from map files such as those described in this report. The U.S. Geological Survey's Map on Demand website can be found at: <http://store.usgs.gov/mod/>

Be sure to include with your request the publication number and the exact names, as listed above, of the plot file(s) you require. A publication number and its letter alone are not sufficient, unless you are requesting plots of all the plot files in this report. You may wish to determine the price before placing an order.

Also note that not all parts of this report (such as this text and the spatial data) are plot

files, and may not be provided by the Map on Demand service.

Order plots from:

USGS Information Services

Box 25286

Denver Federal Center

Denver, CO 80225-0046

1-888-ASK-USGS

FAX: (303) 202-4693

e-mail: infoservices@usgs.gov

Obtaining plots from a commercial vendor

Many commercial vendors are capable of producing large format plots for a fee. Most commercial vendors will require the plot files to be on a CD-ROM or other portable disk format. Users may download the data from the Internet and create their own CD-ROM, or we can provide one (See To obtain zip files of database or plot file packages on CDROM). Make sure your vendor is capable of reading compact disks and PDF plot file, and be certain to provide a copy of this document to your vendor.